

NASTAVNO-NAUČNOM VEĆU FIZIČKOG FAKULTETA UNIVERZITETA U BEOGRADU

Pošto smo na VI sednici Izbornog veća Fizičkog fakulteta Univerziteta u Beogradu održanoj 28. marta 2018. godine određeni za članove Komisije za pripremu izveštaja po raspisanom konkursu za izbor jednog VANREDNOG PROFESORA za naučnu oblast FIZIKA ČESTICA I POLJA na Fizičkom fakultetu Univerziteta u Beogradu, podnosimo sledeći

R E F E R A T

Na konkurs za izbor jednog vanrednog profesora za naučnu oblast Fizika čestica i polja koji je objavljen u oglasniku "Poslovi" 25. aprila 2018. godine prijavila se jedna kandidatkinja, dr Marija Dimitrijević Ćirić, vanredni profesor Fizičkog fakulteta Univerziteta u Beogradu.

BIOGRAFIJA, NASTAVNA I NAUČNA AKTIVNOST

dr Marije Dimitrijević Ćirić

1 Osnovni biografski podaci

Dr Marija Dimitrijević Ćirić je rođena 1975. godine u Jagodini, gde je završila osnovnu školu i gimnaziju. Na Fizičkom fakultetu Univerziteta u Beogradu diplomirala je 1998. godine na smeru Teorijska i eksperimentalna fizika sa prosečnom ocenom 9.81, a diplomski rad "*Hokingovo zračenje u CGHS modelu*" uradila je pod rukovodstvom prof. Maje Burić. Poslediplomske studije na Fizičkom fakultetu završila je 2002. godine sa prosečnom ocenom 9.63 na smeru Teorijska fizika elementarnih čestica i gravitacije, odbranom magistarskog rada "*Klasične i kvantne osobine BTZ crne rupe*", a mentor ovog rada je bio prof. Voja Radovanović. Doktorat " *κ -deformed gauge theory and θ -deformed gravity*", dr Marija Dimitrijević Ćirić je uradila u Minhenu, Nemačka, pod mentorstvom prof. Julius-a Wess-a i odbranila na Ludwig-Maximilians Univerzitetu 2005. godine. Doktorat je nostrifikovan na Univerzitetu u Beogradu 2006. godine. Od 2007. do 2009. godine dr Marija Dimitrijević Ćirić bila je na postdoktorskom usavršavanju na Univerzitetu istočnog Pijemonta u Alessandriji, Italija.

Dr Marija Dimitrijević Ćirić je od 1999. godine zaposlena na Fizičkom fakultetu Univerziteta u Beogradu, a 2009. je dobila nagradu za najboljeg mladog istraživača Fizičkog fakulteta. Rukovodila je izradom dva master rada, a trenutno je mentor jedne doktorske teze.

2 Nastavna aktivnost

Dr Marija Dimitrijević Ćirić radi na Fizičkom fakultetu Univerziteta u Beogradu od 1999. godine do 2007. u asistentskom zvanju. U tom periodu držala je računске vežbe iz Elektrodinamike i Teorije elementarnih čestica i eksperimentalne vežbe iz Mehanike i termodinamike. Od 2007. do 2013. godine dr Marija Dimitrijević Ćirić radila je u zvanju docenta i držala nastavu na predmetima: Seminar savremene fizike, Fizika elementarnih čestica, Elektrodinamika 1 i Fizika jezgra i čestica na redovnim studijama, kao i Opštu teoriju relativnosti na master studijama. 2013. godine dr Marija Dimitrijević Ćirić je izabrana za vanrednog profesora na Fizičkom fakultetu Univerziteta u Beogradu i drži nastavu iz Seminara savremene fizike, Specijalne teorije relativnosti, Opšte teorije relativnosti i Fizike jezgra i čestica. Rukovodila je izradom dva master rada, a na junskoj sednici sednici Nastavno-naučnog veća Fizičkog fakulteta određena je za mentora doktorske teze Nikole Konjika.

Dr Marija Dimitrijević Ćirić drži nastavu na drugoj i četvrtoj godini osnovnih studija i to na B,C i A smeru, kao i na master i doktorskim studijama. Ocene koje je u nekoliko poslednjih semestara dobila u studentskim anketama su od 3.90 do 5.00, u proseku oko 4.50: veoma dobre. U radu sa studentima je pažljiva i korektna, i izuzetno se trudi da svojim predavanjima prenese fizičku suštinu predmeta čak i kada su kompleksniji ili matematički zahtevniji. Treba posebno istaći da na master studijama B smeru dr Marija Dimitrijević Ćirić već više godina u kontinuitetu drži predavanja iz Opšte teorije relativnosti, odnosno, da ovaj predmet studenti rado i često biraju.

Osim fakultetske nastave, dr Marija Dimitrijević Ćirić je veoma aktivna u popularizaciji fizike: od 2014. održala je više različitih predavanja na festivalima nauke i u Kolarčevoj zadužbini.

3 Naučna aktivnost

3.1 Publikacije

Dr Marija Dimitrijević Ćirić objavila je 28 radova u vodećim međunarodnim časopisima, 27 u časopisima sa impakt faktorom preko 1: zbirni impakt faktor tih radova je 98, a ukupna citiranost, bez auto- i heterocitata, 941. Posebno treba istaći, kao najcitiranije, radove [6] i [7] koji su direktno vezani za rezultate doktorata dr Dimitrijević Ćirić (317 odnosno 222 citata), dok su radovi [2], [3] i [8] citirani po više od 50 puta. Sem toga, održala je 23 predavanja na međunarodnim konferencijama i workshop-ovima koja su većinom predavanja po pozivu. Dr Marija Dimitrijević Ćirić jedan je od koautora monografske studije *“Symmetries in noncommutative geometry and field theory”* u izdanju Springer Verlag-a.

Dr Marija Dimitrijević Ćirić je prezentovala svoje naučne rezultate u seminaru pod naslovom: “Nekomutativna teorija gravitacije: konstrukcija modela, rezultati i otvorena pitanja”, 4. jula 2018. godine na Fizičkom fakultetu.

3.2 Učešće na naučnim projektima i međunarodna saradnja

Dr Marija Dimitrijević Ćirić je član projekta 171031 “Fizičke implikacije modifikovanog prostor-vremena” Ministarstva prosvete, nauke i tehnološkog razvoja Srbije. U periodu 2002-2003 godine bila stipendista Nemačke organizacije za akademsku razmenu DAAD, a u periodu 2004-2005 godine imala je stipendiju Nemačkog naučnog društva DFG u okviru programa “Stringtheorie im Kontext von Teilchenphysik, Quantenfeldtheorie, Quantengravitation, Kosmologie und Mathematik”. Posle doktorskih studija na Univerzitetu u Minhenu i postdokorskog usavršavanja na Univerzitetu u Alesandriji (2007-2009), nastavila je intenzivnu međunarodnu saradnju sa nekoliko istraživačkih grupa, pre svega sa kolegama iz Torina, Napulja, Zagreba i Edinburga. Bila je član odnosno rukovodilac sledećih bilateralnih projekata:

- bilateralni hrvatsko-srpski projekat “Teorije modifikovane gravitacije i ubrzano širenje svemira” (2010-2012), i
- bilateralni italijansko-srpski projekat “Gravitacija u kvantnom prostor-vremenu”, rukovodilac projekta (2013-2015).

Osim toga, član je upravnog odbora (Management Committee) COST akcije “MP 1405: Quantum Structure of Spacetime” (2015-2019).

Dr Dimitrijević Ćirić je recenzent u više međunarodnih časopisa iz fizike, i to u *Classical and Quantum Gravity*, *European Physical Journal C*, *Journal of Physics A*, *International Journal of Modern Physics A*, *General Relativity and Gravitation*, *International Journal of Geometric Methods in Modern Physics*.

Dr Marija Dimitrijević Ćirić učestvovala je u organizaciji nekoliko međunarodnih konferencija i škola od kojih su dve, veoma uspešno, organizovane u Beogradu:

- Bayrischzell Workshop 2014: “Quantized geometry and physics”, Bayrischzell, May 23-26, 2014, <http://hep.itp.tuwien.ac.at/miw/bzell2014/>
- The CERN-SEENET-MTP PhD Training program, “Supergravity”, 21-27 June 21 2015, Belgrade, Serbia, <http://phd.seenet-mtp.info/belgrade-2015/>
- 1st COST QSPACE training school “Quantum Structure of Spacetime and Gravity”, August 21-28, Belgrade, Serbia, <http://www.qssg16.ipb.ac.rs/index.html>

4 Pregled naučnih rezultata

Osnovne oblasti istraživanja dr Marije Dimitrijević Ćirić su klasična i kvantna teorija polja i gravitacija na nekomutativnom (NK) prostor-vremenu. Motivacija za proučavanje NK prostor-vremena je dvojak. Kvantna teorija polja (KTP), iako vrlo uspešno opisuje jake, slabe i elektromagnetne interakcije, ne opisuje dobro fiziku na veoma visokim energijama (veoma malim rastojanjima). Sa druge strane, opšta teorija relativnosti (OTR), koja je klasična teorija gravitacije, ne može konzistentno da se kvantuje. Kombinacija ova dva problema dovodi do ideje da prostor-vreme na skalama veličine Plankove skale $l_P \sim 10^{-35}m$ nije glatka mnogostrukost. Jedna od mogućnosti je i NK prostor-vreme, prostor-vreme u kome koordinate ne komutiraju.

Iz pregleda naučnih rezultata koji sledi, vidi se da rad dr Marije Dimitrijević Ćirić predstavlja kontinuiran i sistematski napor da se istraže matematičke i fizičke osobine nekomutativnih

prostora. Prostori su definisani uglavnom polazeći od fizičkih modela, pre svega iz teorije struna, ili deformacijom klasičnih u tzv. kvantne simetrije i supersimetrije. Analizirani su važni fizički sistemi: gradijentna polja, spinori i gravitaciono polje, i u radovima su dobijeni različiti rezultati koji se grubo mogu odrediti kao i) konstrukcija modela polja i njihovih simetrija, ii) ispitivanje matematičke konzistentnosti uvedenih novih modela kao što je zatvorenost strukture ili renormalizabilnost teorije, i iii) analiza fenomenoloških posledica nekomutativnih modela i mogućnosti njihove eksperimentalne provere. Zbog toga je istraživanje dr Marije Dimitrijević Ćirić veoma značajno i našlo je, kao što se iz njene ukupne naučne aktivnosti vidi, svoje mesto u naporima naučne zajednice teorijskih fizičara da se istraži fizika izvan Standardnog modela odnosno na rastojanjima bliskim Plankovoj skali.

U radovima [2,3,4,5,14,19,28] proučavano je κ -deformisano prostor-vreme, NK prostor u kome koordinate zadovoljavaju Lijevu algebru. Ovaj prostor je zanimljiv iz više razloga: to je prvi NK prostor sa kvantnom grupom kao simetrijom, može se koristiti u formulaciji DSR teorija (teorije koje su deformacije specijalne teorije relativnosti), i ima neke primene u pokušaju formulisanja kvantne teorije gravitacije. Korišćena su dva pristupa: \star -proizvod pristup [2,3,4,5] i tvist-pristup [14,19,28]. U \star -proizvod pristupu NK prostor se reprezentuje na prostoru komutirajućih koordinata, a informacija o nekomutativnosti je sadržana u novom proizvodu kojim se množe funkcije/polja, \star -proizvodu. Ovaj proizvod je asocijativan, nekomutativan i u komutativnom limesu prelazi u obično komutativno množenje. U radu [2] je analizirana klasična teorija sklarnog i Dirakovog polja i definisan je integral za κ -deformisani prostor. U radovima [4,5] analizirana je teorija gradijentnih polja. Definisano je dejstvo i posebno je analiziran slučaj interagujućih $U(1)$ -gradijentnog i Dirakovog polja. Koristeći Sajberg-Vitenovo (SW) preslikavanje, pokazano je da se u teoriji ne pojavljuju novi stepeni slobode, već se samo pojavljuju nove interakcije. Jedna od specifičnosti κ -deformisanog prostora je da su gradijentno polje i odgovarajući tenzor jačine polja reprezentovani diferencijalnim operatorima. U radu [14] je ovaj problem rešen korišćenjem tvist formalizma, koji omogućava da se klasična simetrija matematički konzistentno deformiše pri čemu se se klasična grupa simetrije zamenjuje sa Hopfovom algebrom ili kvantnom grupom deformisane simetrije. Ovo za posledicu ima i to da odgovarajuće prostor-vreme postane nekomutativno. Koristeći pogodno izabran tvist operator, Poenkareova simetrija u $4D$ je deformisana u tvistovanu $gl(1,3)$ simetriju, a $4D$ prostor Minkovskog je deformisan u $4D$ κ -Minkovski prostor. Dejstvo za gradijentna polja i polja materije se prirodno zapisuju preko diferencijalnih formi, čime je problem integracije i problem gradijentnih polja kao diferencijalnih operatora rešen. U [19] je, pored Abelovog tvista, razmotren i Džordanov (Jordanian) tvist kao način da se definiše κ -Minkovski prostor. Korišćenjem Džordanovog tvista, deformisana simetrija je sužena na tvistovanu Vajlovu simetriju. Diferencijalni račun se i u tom slučaju može konzistentno formulisati, ali cikličnost integrala nije zadovoljena. Ipak, uvođenjem odgovarajuće mere, formulisano je dejstvo za NK $U(1)$ gradijentno polje. Razvojem po parametru deformacije je pokazano da se rezultat za razvijeno dejstvo u prvom redu poklapa sa rezultatom iz [14]. Polazeći od κ -deformisane Dirakove jednačine u EM polju dobijene u [14], u [28] je analizirano kretanje elektrona u konstantnom magnetnom polju. Dobijene su korekcije na Landauove nivoe koje zavise od parametra nekomutativnosti. Naredni koraci u ovoj oblasti istraživanja bi bili: analiza neabelovih gradijentnih teorija, kao i bolje razumevanje κ -deformisanih Landauovih nivoa i primena na kvantni Holov efekat u κ -Minkovski prostoru.

U radovima [9,11,12,13,15] je analizirana renormalizabilnost različitih modela na NK prostoru.

U radu [15] je razmotren dvodimenzioni model interagujućeg $U(1)$ -gradijentnog i skalarnog polja. Dobijene su naznake da je model renormalizabilan do na jednu petlju (nema UV divergencija, a IR se mogu renormalizovati). Računanje korekcija za propagatore i vertekse trebalo bi da da konačan odgovor na pitanje renormalizabilnosti. U radovima [9,11,12,13] razmatrana su dva ne(anti)komutativna Ves-Zumino modela. Ne(anti)komutativan superprostor je superprostor u kome bozonske koordinate ne komutiraju, a fermionske ne antikomutiraju. Ne(anti)komutativnost je dobijena koristeći gore pomenuti tvist formalizam. Prvi model, D -deformisani Ves-Zumino model, invarijantan je na tvistovanu supersimetriju (SUSY), ali i na klasičnu, nedeformisanu SUSY. Koristeći metod pozadinskog polja i supergrafova, pokazali smo da je model na jednu petlju renormalizabilan. Drugi model je invarijantan samo na tvistovanu SUSY i pokazuje se da nije renormalizabilan. Zaključak koji se nameće je da tvistovana SUSY nije dovoljna da obezbedi renormalizaciju. Ipak, da bi ovo moglo sa sigurnošću da se tvrdi, treba analizirati i slučaj vektorskog polja.

Radovi [1,6,7,16,17,20,24,25,26] se odnose na deo istraživanja vezan za gravitaciju, klasičnu i nekomutativnu. U radu [1] su analizirane neke kvantne osobine trodimenzione BTZ crne rupe. Dobijene su korekcije na položaj horizonta i entropiju BTZ crne rupe usled kvantnih efekata. Formulacija gravitacije na NK prostorima proučavana je u radovima [6,7,16,17,20,24,25,26]. Za razliku od gradijentnih teorija koje se relativno jednostavno generalizuju na nekomutativne, teoriju gravitacije odnosno opštu teoriju relativnosti (OTR) na NK prostoru je mnogo teže formulisati. Jedan od razloga je i taj što je OTR invarijantna na difeomorfizme, a njih je (kao prostorno-vremensku simetriju) teško generalizovati na NK difeomorfizme. U radovima [6,7] razvijen je i primenjen tvist formalizam. Klasični difeomorfizmi su generalizovani na tvistovane difeomorfizme, pa su zatim konstruisani dejstvo i jednačine kretanja invarijantni na ovu simetriju. U limesu komutativnog prostora, dejstvo se svodi na Ajštajn-Hilbertovo dejstvo za OTR, a jednačine na Ajnštajnovu jednačine. Ova dva rada imaju dvostruki značaj. Sa jedne strane, razvijen je formalizam u kome se konzistentno mogu opisati simetrije NK prostora, tvist formalizam, a sa druge strane je prvi put formulisana NK teorija gravitacije sa deformisanom (tvistovanom) difeomorfizam-simetrijom. Međutim, kako tvistovana simetrija jos uvek nije shvaćena u potpunosti, sa dobijenom teorijom je teško raditi. Zbog toga je u radovima [16,17,20,24,25,26] pažnja usmerena na formulaciju gravitacije kao teorije sa lokalnom Lorencovom ili anti-de Sitter simetrijom. U radu [17] je razvijen metod kompozitnih polja, koji omogućava relativno jednostavno računanje korekcija višeg reda po parametru nekomutativnosti. U radu [16] je ovaj metod delimično primenjen i nadjene su korekcije drugog reda za Ajnštajn-Hilbertovo dejstvo, kosmološki član i topološki Gaus-Bone član. U radovima [20,24,25,26] je formulisan model NK gravitacije kao NK gradijentne teorije $SO(2,3)$ grupe. Prednost ovog modela je u tome što se u okviru njega spinska koneksija i tetrade tretiraju na isti način jer predstavljaju delove gradijentnog $SO(2,3)$ polja. Koristeći Sajberg-Vitenovo preslikavanje, izračunate su NK korekcije na klasično dejstvo (Ajnštajn-Hilbertovo dejstvo sa ili bez kosmološke konstante). Prva nenulta NK korekcija je drugog reda po parametru nekomutativnosti. Iz NK dejstva razvijenog po parametru nekomutativnosti dobijaju se NK Ajnštajnovu jednačine. Te jednačine se mogu rešavati perturbativno, polazeći od rešenja klasičnih Ajnštajnovih jednačina i računajući korekcije koje su drugog reda. Na ovaj način je nadjena i NK korekcija na prostor Mikovskog. Dobijeni prostor je zakrivljen, a krivina je proporcionalna kvadratu parametra nekomutativnosti. Vidimo da nekomutativnost, kao i obična materija, predstavlja izvor zakrivljenja prostora. Osim toga, u radovima [25,26] je pokazano da su koordinate u kojima je parametar nekomutativnosti konstantan, zapravo Fer-

mijeve normalne koordinate (inercijalne koordinate slobodno-padajućeg posmatrača). Ovaj rezultat omogućava bolje razumevanje narušenja difeomorfizam-simetrije u NK gravitaciji. Naime, izbor konstantnog parametra nekomutativnosti zapravo predstavlja izbor preferiranog koordinatnog sistema, a to za posledicu ima fiksiranje "gauge"-a u difeomorfizam-simetriji. $SO(2, 3)$ model NK gravitacije se dalje može proširiti uključivanjem polja materije i njihovom interakcijom sa gravitacionim poljem. Takodje, mogu se analizirati i NK korekcije na druga rešenja klasičnih Ajnštajnovih jednačina, kao što su Švarcšildovo ili kosmološko rešenje.

Tvist formalizam je primenjen na gradijentne teorije u radu [8]. Teorija u kojoj je parametar nekomutativnosti dinamička promenljiva, formulisan je koristeći tvist formalizam u [10]. U radu [27] je preko tvist formalizma uvedena neasocijativna (NA) deformacija faznog prostora. NA deformacije su u poslednjih nekoliko godina postale vrlo aktuelan problem. Pojavile su se prvi put u teoriji zatvorenih struna i negeometrijskih pozadinskih polja. Naime, teorija polja zatvorene strune koja se kreće u pozadinskom polju negeometrijskog R -fluksa, efektivno se mogu opisati neasocijativnom geometrijom. Tvist formalizam omogućava (kao i u NK slučaju) konzistentno definisanje diferencijalnog računa, kao i uvođenje koneksije i krivine na NA faznom prostoru. Koraci su slični onima u [7], ali su zbog prisustva neasocijativnosti komplikovaniji. Krajnji rezultat rada [27], NA Ajnštajnovе vakuumske jednačine u koordinatnom prostoru, dobijen je perturbativno, razvojem po parametru neasocijativnosti R -fluksu. Prve nenulte korekcije su prvog reda po R . U nastavku bi trebalo razmotriti značaj NA difeomorfizam simetrije, kuplovanje gravitacije sa poljima materije, integraciju na NA faznom prostoru i formulaciju dejstva i varijacionog principa.

Radovi [21,22,23] pripadaju oblasti teorije kondenzovanog stanja, ali se u njima ipak koristi deo formalizma teorije polja i gravitacije. Tako je u [21] gravitacioni formalizam prvog reda (spinska koneksija i tetrade) iskorišćen da se izračunaju spinska koneksija i skalaran krivina 2D i 3D Černovih izolatora. Ovi izrazi su bitni za formulaciju efektivnog opisa Černovih izolatora. U [22] je diskutovana primena Blohove teoreme za opis sistema sa frakcionim anomalnim kvantnim Holovim efektom. Posebno je istaknuta neinvarijantnost Berijeve krivine i značaj izbora "gauge" uslova. Diskutovani su Blohov "gauge" i periodični "gauge" i pokazano je da je Beri krivina u periodičnom "gauge"-u zapravo usrednjena Beri krivina po svim hamiltonijanima u Blohovom "gauge"-u. U [23] je razmotreno BCS sparivanje kompozitnih fermiona koji su opisani kao Dirakovi spinori. Kompozitni fermioni su značajni za opis fizike elektrona u frakcionom kvantnom Holovom režimu. U slučaju jednog sloja, stanja sa energijskim procesom mogu da budu anizotropna, to jest anizotropni i izotropno stanje mogu da koegzistiraju, slično kao i A i B faze u superfluidnom 3He . U slučaju dvosloja, pokazano je da smanjenjem rastojanja između slojeva broj kompozitnih fermiona opada, to jest kompozitni fermioni upareni na "p-wave" način se transformišu u obične HLR (Halperin-Lee-Read) kompozitne fermione.

5 SPISAK PUBLIKACIJA

Monografije

1. P. Aschieri, M. Dimitrijević, P. Kulish, F. Lizzi and J. Wess *Noncommutative spacetimes: Symmetries in noncommutative geometry and field theory*, Lecture notes in physics **774**, Springer (2009).
citiranost: 15

Radovi objavljeni u međunarodnim časopisima

1. M. Burić, M. Dimitrijević, V. Radovanović, *Quantum corrections for BTZ black hole via 2D reduced model*, Phys. Rev. D **65**, 064022-064034 (2002).
IF: 4.852, citiranost: 9
2. M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Deformed Field Theory on kappa-spacetime*, Eur. Phys. J. **C31**, 129 (2003).
IF: 3.580, citiranost: 112
3. M. Dimitrijević, F. Meyer, L. Möller and J. Wess, *Gauge theories on κ -spacetime*, Eur. Phys. J. **C36**, 117 (2004).
IF: 3.486, citiranost: 48
4. M. Dimitrijević, L. Möller and E. Tsouchnika, *Derivatives, forms and vector fields on the κ -deformed Euclidean space*, J. Phys. **A**, 9749 (2004).
IF: 1.504, citiranost: 35
5. M. Dimitrijević, L. Jonke and L. Möller, *$U(1)$ gauge field theory on kappa-Minkowski space*, JHEP **0509**, 068, (2005).
IF: 5.944, citiranost: 15
6. P. Aschieri, C. Blohmann, M. Dimitrijević, F. Meyer, P. Schupp and J. Wess, *A Gravity Theory on Noncommutative Spaces*, Class. Quant. Grav. **22**, 3511 (2005).
IF: 2.938, citiranost: 317
7. P. Aschieri, M. Dimitrijević, F. Meyer and J. Wess, *Noncommutative Geometry and Gravity*, Class. Quant. Grav. **23**, 1883 (2006).
IF: 2.773, citiranost: 222
8. P. Aschieri, M. Dimitrijević, F. Meyer, S. Schraml and J. Wess, *Twisted Gauge Theories*, Lett. Math. Phys. **78**, 61-71 (2006).
IF: 1.212, citiranost: 64
9. M. Dimitrijević, V. Radovanović and J. Wess, *Field Theory on Nonanticommutative Superspace*, JHEP **0712** 059, (2007).

IF: 5.659, citiranost: 10

10. P. Aschieri, L. Castellani and M. Dimitrijević, *Dynamical noncommutativity and Noether theorem in twisted Φ_\star^4 theory*, Lett. Math. Phys. **85**, 39 (2008).

IF: 1.044, citiranost: 10

11. M. Dimitrijević and V. Radovanović, *D-deformed Wess-Zumino model and its renormalizability properties*, JHEP **0904** 108, 25 pages (2009).

IF: 6.019, citiranost: 5

12. M. Dimitrijević, B. Nikolić and V. Radovanović, *(Non)renormalizability of the D-deformed Wess-Zumino model*, Phys. Rev. D **81**, 105020-105032 (2010).

IF: 4.964, citiranost: 4

13. M. Dimitrijević, B. Nikolić and V. Radovanović, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83**, 065010 (2011).

IF: 4.558, citiranost: 3

14. M. Dimitrijević and L. Jonke, *A Twisted look on kappa-Minkowski: U(1) gauge theory*, JHEP **1112**, 080 (2011).

IF: 5.831, citiranost: 14

15. M. Dimitrijević, B. Nikolić and V. Radovanović, *Renormalizability of the D-Deformed Wess-Zumino Model*, Rom. Journal of Physics **57**, 5-6, 830-840 (2012).

IF: 0.526

16. M. Burić, M. Dimitrijević, V. Radovanović and M. Wohlgenannt, *Quantization of a gauge theory on a curved noncommutative space*, Phys. Rev. D **86**, 105024 (2012).

IF: 4.558, citiranost: 1

17. M. Dimitrijević, V. Radovanović and H. Štefančić, *AdS-inspired noncommutative gravity on the Moyal plane*, Phys. Rev. D **86**, 105041 (2012).

IF: 4.558, citiranost: 5

18. P. Aschieri, L. Castellani and M. Dimitrijević, *Noncommutative gravity at second order via Seiberg-Witten map*, Phys. Rev. D **87**, 024017 (2013).

IF: 4.558, citiranost: 8

19. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).

IF: 1.050, citiranost: 7

20. M. Dimitrijević and V. Radovanović, *Noncommutative SO(2,3) gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).

IF: 3.865, citiranost: 5

21. E. Dobardžić, M. Dimitrijević, M. Milovanović, *Effective description of Chern insulators*, Phys. Rev. B **89**, 235424 (2014).

IF: 3.865, citiranost: 4

22. E. Dobardžić, M. Dimitrijević, M. Milovanović, *Generalized Bloch theorem and topological characterization*, Phys. Rev. B **91**, 125424 (2015).

IF: 3.513, citiranost: 3

23. M. Milovanović, M. Dimitrijević Ćirić, V. Juričić, *Pairing instabilities of Dirac composite fermions*, Phys. Rev. B **94**, 115304 (2016).

IF: 3.711, citiranost: 2

24. M. Dimitrijević Ćirić and V. Radovanović, *Noncommutative Gravity Via $So(2,3)$ Noncommutative Gauge Theory*, Rom. Journal of Physics **61**, 1-2 (2016).

IF: 1.785

25. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).

IF: 1.928, citiranost: 1

26. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC $SO(2,3)_*$ gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).

IF: 4.557, citiranost: 2

27. P. Aschieri, M. Dimitrijević Ćirić and R. Szabo, *Nonassociative differential geometry and gravity with non-geometric fluxes*, JHEP **1802**, 036 (2018).

IF: 4.992, citiranost: 2

28. M. Dimitrijević Ćirić and N. Konjik, *Landau levels from noncommutative $U(1)_*$ gauge theory in κ -Minkowski space-time*, accepted for publication in International Journal of Geometric Methods in Modern Physics.

IF: 1.068, citiranost: /

Napomena: Broj citata je sa isključenim autocitatima (autora i kooautora).

Radovi prezentovani na medjunarodnim konferencijama

1. M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Field theory on kappa-spacetime*, Proceedings of the XIII International Colloquium on Integrable Systems and Quantum Groups, June 2004, Prague Czech.J.Phys. 54, 1243-1248 (2004), [hep-th/0407187].
2. M. Dimitrijević and F. Mayer, *Deformed Spaces, Symmetries and Gauge Theories*, Proceedings of the III Summerschool in Modern Mathematical Physics, Zlatibor, Serbia; August 20th-31th 2004, 191-210, Institute of Physics Belgrade 2005; Editors: B. Dragovich, Z. Rakić and B. Sazdović.
3. M. Dimitrijević and J. Wess, *Deformed Bialgebra of Diffeomorphisms*, invited talk given at 1st Vienna Central European Seminar on Particle Physics and Quantum Field Theory; 26-28 November 2004.
http://www.univie.ac.at/vienna.seminar/abstr_Dimitrijevic.html [hep-th/0411224].
4. M. Dimitrijević, *Lorentz symmetry on deformed spaces*, talk given at BW2005 workshop, II Southeastern European Workshop, Vrnjačka Banja, Serbia, 19-23 May 2005; in BW2005 Workshop, 28-30 (2005), published by Faculty of Science and Mathematics, University of Niš; Editors: G. Djordjević, Lj. Nešić and J. Wess.
5. M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, Proceedings the XIV International Colloquium on Integrable Systems and Quantum Groups, June 2005, Prague, Czech. J. Phys. 55, 1391-1396 (2005).
6. M. Dimitrijević, *A gravity theory on noncommutative spaces*, invited talk, in Proceedings of the Workshop "Supersymmetries and Quantum Symmetries", BLTP, JINR, Dubna; July 27-31, 2005, SQS'2005, 122-131 (2005); Editors: E. A. Ivanov and B. M. Zupnik.
7. M. Dimitrijević, *Deformed gauge and gravity theories*, invited talk, in Proceedings of the IV Summerschool in Modern Mathematical Physics, Belgrade, Serbia; 3-14 September 2006, 167-178, Institute of Physics Belgrade 2007; Editors: B. Dragovich and Z. Rakić.
8. M. Dimitrijević, *Towards Noncommutative SUSY field theories*, Bayrischzell workshop on Noncommutativity and Physics, 11-14 May 2007,
<http://homepage.univie.ac.at/michael.wohlgenannt/bzell/Dimitrijevic-bzell2007.pdf>
9. M. Dimitrijević, *Towards noncommutative SUSY field theories*, invited talk, in Proceedings of the Workshop "Supersymmetries and Quantum Symmetries", BLTP, JINR, Dubna; 30 July-4 August 2007, SQS'2007, 122-130 (2009); Editors: E. Ivanov and S. Fedoruk.
<http://theor.jinr.ru/sqs07/talks/Dmitrievic.pdf>
10. M. Dimitrijević, V. Radovanović and J. Wess, *Field Theory on Nonanticommutative Superspace*, Proceedings of the BW2007 Workshop, Challenges Beyond the Standard Model,

2-9 September 2007, Kladovo, Fortsch. Phys. **56**, 418-423 (2008).

11. M. Dimitrijević, *Field Theory on Nonanticommutative Superspace*, talk given at 4st Vienna Central European Seminar on Particle Physics and Quantum Field Theory; 30 November-2 December 2007 Vienna,

http://www.univie.ac.at/vienna.seminar/2007/abstracts/abstr_Dimitrijevic.html

12. M. Dimitrijević, *Deformed symmetries in noncommutative field theories*, Proceedings of the V Summerschool in Modern Mathematical Physics, Belgrade, Serbia; 6-17 July 2008, Institute of Physics Belgrade 2009; Editors: B. Dragovich and Z. Rakić.

13. M. Dimitrijević, *Deformed symmetries in NC field theories*, invited talk given at Supersymmetry and Noncommutative Quantum Field Theory Workshop in Memoriam Julius Wess; 4-6 December 2008, Vienna

<http://mathphys.jacobs-university.de/SUSY-NCQFT/talks/julius-esi2008-dimitrijevic.pdf>

14. M. Dimitrijević and V. Radovanović, *D-deformed Wess-Zumino Model and its Renormalizability Properties*, talk given at Spring School on Strings, Cosmology and Particles, 31 March- 4 April 2009 Niš; SSSCP 2009, 16-19 (2009); Editors: M. M. Ćirković, G. Djordjević and Lj. Nešić.

<http://www.seenet-mtp.info/ssscp2009/lectures/dimitrijevic-radovanovic.pdf>

15. M. Dimitrijević, *D-deformed Wess-Zumino model and its renormalizability properties*, invited talk, in Proceedings of the Workshop "Supersymmetries and Quantum Symmetries", BLTP, JINR, Dubna; 29 July-3 August 2009, SQS'2009, (2011).

<http://theor.jinr.ru/sqs09/talks/Dimitrievich.pdf>

16. M. Dimitrijević, *Non(anti)commutative field theories: model buildiand renormalizability properties*, invited talk given at Spring School and Workshop in Quantum Field Theory and Hamiltonian Systems, 10-15 May 2010.

http://cis01.central.ucv.ro/physics/en/workshop_qfths/2010/calim10_inv_lessons.pdf

17. M. Dimitrijević and L. Jonke, *Gauge theory on kappa-Minkowski revisited: The Twist approach*, Proceedings the 7th Quantum theory and symmetries, August 2011, Prague, J. Phys. Conf. Ser. **343**, 012049 (2012).

18. M. Dimitrijević and L. Jonke, *Twisted symmetry and noncommutative field theory*, Proceedings the SEENET-MTP Workshop JW2011 : Scientific and Human Legacy of Julius Wess, August 2011, Donji Milanovac, Serbia, Int. J. Mod. Phys. Conf. Ser. **13**, 54-65 (2012).

19. M. Dimitrijević and V. Radovanović, *SO(2, 3) noncommutative gravity model*, Physics of Particles and Nuclei Letters, 10th Supersymmetries and Quantum Symmetries (SQS'2013), Pleiades Publishing/Bogoliubov Laboratory of Theoretical Physics/Joint Institute for Nuclear Research, Dubna, vol. 7, no. 11, pp. 920 - 923, issn: 1547-4771, doi:

10.1134/S1547477114070152, Rusija, 29. Jul - 3. Aug, 2013.

20. M. Dimitrijević and V. Radovanović, *NONCOMMUTATIVE GRAVITY MODEL*, Balkan Workshop BW2013-Beyond the Standard Models, University of Niš, Serbia, vol. 2, no. 12, pp. 35-40, issn: ISSN 0354 4656, Srbija, 25.-29. Apr, 2013.

<http://www.seenet-mtp.info/bw2013/343-m-dimitrijevic-noncommutative-models-of-gauge-and-gravity-theories/>

21. M. Dimitrijević Ćirić, *NC $SO(2,3)_*$ gravity: noncommutativity as a source of curvature and torsion*, invited talk given at XXXVII Max Born Symposium "Noncommutative geometry, quantum symmetries and quantum gravity II", 4-7 July 2016, Wroclaw, Poland.

<http://www.ift.uni.wroc.pl/~mborn37/files/proc/Dimitrijevic.pdf>

22. M. Dimitrijević Ćirić, *Noncommutative gravity and the relevance of the θ -constant deformation*, invited talk given at the 2nd annual workshop of COST Action MP1405 Quantum Structure of Spacetime (QSpace), Quantum Spacetime 17, Porto, Portugal, 30 January - 3 February 2017.

<http://www.fc.up.pt/quantumspacetime17/wp-content/2016/07/Abstracts-4.pdf>

23. M. Dimitrijević, D. Gočanin, N. Konjik and V. Radovanović, *$SO(2,3)$ noncommutative gravity: coupling with matter fields*, Physics of Particles and Nuclei Letters, 12th Supersymmetries and Quantum Symmetries (SQS'2013) July 31-August 5 2017, to be published in Pleiades Publishing/Bogoliubov Laboratory of Theoretical Physics/Joint Institute for Nuclear Research, Dubna.

<http://theor.jinr.ru/sqs17/>

Napomena: Citati navedenih radova su dati u dodatku ovog referata, posle Zaključka.

Z A K L J U Ć A K

Na osnovu izloženog, vidi se da je dr Marija Dimitrijević Ćirić ostvarila izuzetne rezultate u svom dosadašnjem naučnom radu. Objavila je 27 naučnih radova u vodećim međunarodnim časopisima (sa impakt faktorom većim od 1), koji su citirani 940 puta (bez auto- i heterocitata) i imaju zbirni impakt faktor 98. U ovim radovima dr Marija Dimitrijević Ćirić je značajno doprinela razvoju klasične i kvantne teorije polja i gravitacije na nekomutativnim prostorima: radovi su međunarodno prepoznati i visoko citirani. Pored toga, dr Marija Dimitrijević Ćirić ima intenzivnu međunarodnu saradnju koja se ogleda u učešću u međunarodnim projektima i u aktivnoj kolaboraciji sa kolegama iz inostranstva. Koautor je knjige koju je izdao Springer i koja se, mada monografskog karaktera, koristi i kao udžbenik na doktorskim studijama fizike za predmet Nekomutativna geometrija.

U držanju nastave dr Dimitrijević Ćirić je ispoljila zavidan smisao za pedagoški rad, kako nivoom kurseva koje drži tako i pedagoškim pristupom i odnosom prema studentima. Njena prosečna ocena u studentskim anketama u poslednje dve školske godine je 4.5.

Na osnovu iznetih činjenica, smatramo da dr Marija Dimitrijević ispunjava sve uslove da bude reizabrana u zvanje vanrednog profesora i nadamo se da će u skoroj budućnosti biti promovisana u više zvanje. Zato predlažemo Nastavno-naučnom veću Fizičkog fakulteta Univerziteta u Beogradu da dr Mariju Dimitrijević izabere u zvanje vanredovnog profesora za naučnu oblast Fizika čestica i polja.

Beograd, 15. juli 2018.

dr Voja Radovanović, redovni profesor Fizičkog fakulteta

dr Maja Burić, redovni profesor Fizičkog fakulteta

dr Branislav Sazdović, naučni savetnik Instituta za fiziku

6 CITATI

- P. Aschieri, M. Dimitrijević, P. Kulish, F. Lizzi and J. Wess *Noncommutative spacetimes: Symmetries in noncommutative geometry and field theory*, Lecture notes in physics **774**, Springer (2009), citirana je u sledećim radovima:
 1. Fedele Lizzi, *Noncommutative Geometry and Particle Physics*, arXiv:1805.00411.
 2. M. A. Kurkov, F. Lizzi, *Clifford Structures in Noncommutative Geometry and the Extended Scalar Sector*, Phys. Rev. D **97** (2018) no.8, 085024.
 3. A. Borowiec, J. Lukierski, V.N. Tolstoy, *Basic quantizations of $D=4$ Euclidean, Lorentz, Kleinian and quaternionic $o(4)o(4)$ symmetries*, JHEP **1711** (2017) 187.
 4. E. Baloitcha, V. Lahoche, D. Ousmane Samary, *Energy momentum tensor for translation invariant renormalizable noncommutative field theory*, arXiv:1707.05070.
 5. P. Aschieri, A. Borowiec, A. Pachol, *Observables and dispersion relations in kappa-Minkowski spacetime*, JHEP **1710** (2017) 152.
 6. F. Lizzi, G. Mangano, A. Porzio, *Planck's Inconstant*, PoS CORFU2015 (2016) 108.
 7. Abolfazl Jafari, *Generalized non-commutativity*, arXiv:1511.05820.
 8. G. Salesi, M. Greselin, L. Deleidi, R.A. Peruzza, *Modified Lorentz transformations in deformed special relativity*, Int. J. Mod. Phys. A **32** (2017) no.15, 1750086.
 9. M. Khodadi, K. Nozari, *Some Features of Scattering Problem in a kappa-Deformed Minkowski Spacetime*, Annalen Phys. **528** (2016) no.11-12, 785-795.
 10. F. Lizzi, *Spectral geometry for quantum spacetime*, Nuovo Cim. C **38** (2016) 165.
 11. M. de Cesare, F. Lizzi, M. Sakellariadou, *Effective cosmological constant induced by stochastic fluctuations of Newton's constant*, Phys. Lett. B **760** (2016) 498-501.
 12. T. Juric, S. Meljanac, A. Samsarov, *Twist deformations leading to kappa-Poincar Hopf algebra and their application to physics*, J. Phys. Conf. Ser. **670** (2016) no.1, 012027.
 13. S. Meljanac, S. KresicJuric, T. Martinic, *The Weyl realizations of Lie algebras, and leftright duality*, J. Math. Phys. **57** (2016) no.5, 051704.
 14. E. Ilievski, B. Zunkovic, *Quantum group approach to steady states of boundary-driven open quantum systems*, J. Stat. 2014 (2014) no.1, P01001.
 15. F. Lizzi, M. Rivera, P. Vitale, *Greens functions for translation invariant star products*, Mod. Phys. Lett. A **30** (2015) no.36, 1550194.
 16. A. Pachol, P. Vitale, *kappa-Minkowski star product in any dimension from symplectic realization*, J. Phys. A **48** (2015) no.44, 445202.
 17. H. Garca-Compean, O. Obregon, R. Santos-Silva, *Towards Noncommutative Linking Numbers Via the Seiberg-Witten Map*, Adv. Math. Phys. 2015 (2015) 845328.
 18. P. Aschieri, R. J. Szabo, *Tripods, nonassociative star products and geometry of R-flux string compactifications*, J. Phys. Conf. Ser. **634** (2015) no.1, 012004.
 19. Abolfazl Jafari, *Landau's problem in the noncommutative quantum mechanics and linearized gravitational waves: DeWitt's approach*, Int. J. Mod. Phys. A **29** (2014) 1450143.
 20. A. A. Andrianov, D. Espriu, M. A. Kurkov, F. Lizzi, *Universal Landau Pole at the Planck scale*, PoS QFTHEP2013 (2013) 089.
 21. M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2,3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).
 22. L. Castellani, *Chern-Simons supergravities, with a twist*, JHEP **1307** (2013) 1331.
 23. A. Andersson, *Operator Deformations in Quantum Measurement Theory*, Lett. Math. Phys. **104** (2014) 415-430.
 24. P. Aschieri, A. Schenkel, *Noncommutative connections on bimodules and Drinfeld twist deformation*, Adv. Theor. Math. Phys. **18** (2014) no.3, 513-612.

25. M. Dimitrijević, V. Radovanović and H. Štefančić, *AdS-inspired noncommutative gravity on the Moyal plane*, Phys. Rev. D **86**, 105041 (2012).
 26. Arko Bose, *Lorentz invariant nonzero minimal uncertainty in position and inhomogeneity of space at the Planck scale*, arXiv:1011.2733.
- M. Burić, M. Dimitrijević, V. Radovanović, *Quantum corrections for BTZ black hole via 2D reduced model*, Phys. Rev. D **65**, 064022-064034 (2002), citiran je u sledećim radovima:
 1. Soon-Tae Hong , *Geometrical and hydrodynamic aspects of five-dimensional Schwarzschild black hole*, J. Korean Phys. Soc. **64**, (2014) 1928-1934.
 2. W. Kim, E. J. Son, *Central Charges in 2d Reduced Cosmological Massive Gravity*, Phys. Lett. B **678** (2009) 107-111.
 3. X. Zeng, S. Yang, *Hawking radiation from the charged and magnetized BTZ black hole via covariant anomaly*, Chin. Phys. B **18** (2009) 462-467.
 4. W. Kim, E. J. Son, *Note on cosmology of dimensionally reduced gravitational Chern-Simons*, Phys. Rev. D **79** (2009) 087501.
 5. A. J. M. Medved, *Horizon dynamics of a BTZ black hole*, Class. Quant. Grav. **20**, 3165-3174 (2003).
 6. Soon-Tae Hong, Jae-dong Choi and Young-Jai Park, *(2 + 1)-dimensional black holes in warped product scheme*, SOGANG-HEP-300-02, 13pp, Sep 2002.
 7. D. Grumiller, W. Kummer and D. V. Vassilevich, *Dilaton gravity in two-dimensions* Phys. Rept. **369**, 327-430 (2002).
 8. A. J. M. Medved, *Reissner-Nordstrom near extremality from a Jackiw-Teitelboim perspective*, 19pp. (2001).
 9. A. J. M. Medved, *Radiation via tunneling in the charged BTZ black hole*, Class. Quant. Grav. **19**, 589-598 (2002).
 - M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Deformed Field Theory on kappa-spacetime*, Eur. Phys. J. **C31**, 129-138 (2003), citiran je u sledećim radovima:
 1. T. Poulain, J. -C. Wallet, *Kappa-Poincar invariant quantum field theories with KMS weight*, arXiv:1801.02715.
 2. M. Arzano, G. Gubitosi, J. Magueijo, *Parity at the Planck scale*, Phys. Lett. B **781** (2018) 510-516.
 3. C.F. Farias, Edilberto O. Silva, *Solution of the kappa-deformed Dirac equation with scalar, vector and tensor interactions in the context of pseudospin and spin symmetries* , arXiv:1704.04847.
 4. K. S. Gupta, T. Juric, A. Samsarov, *Noncommutative duality and fermionic quasinormal modes of the BTZ black hole*, JHEP **1706** (2017) 107.
 5. R. Verma, A. N. Bose, *Effect of Noncommutativity of Space-time on Zitterbewegung*, Eur. Phys. J. Plus **132** (2017) no.5, 220.
 6. M. Khodadi, K. Nozari, *Some Features of Scattering Problem in a kappa-Deformed Minkowski Spacetime*, Annalen Phys. **528** (2016) no.11-12, 785-795.
 7. V. Anjana, *Diffusion in -deformed space and spectral dimension*, Mod. Phys. Lett. **A31** (2016) no.09, 1650056.
 8. F. M. Andrade, E. O. Silva, D. Assafrao, C. Filgueiras, *Effects of quantum deformation on the integer quantum Hall effect*, EPL **116** (2016) no.3, 31002.

9. Frank Meyer, *Gauge-Field Theories and Gravity on Noncommutative Spaces*, PhD Thesis 2006. 288 pp.
<https://edoc.ub.uni-muenchen.de/5335/>
10. Florian Koch, *Construction of Quantum Symmetries for Realistic Field Theories on Noncommutative Spaces*, PhD Thesis 2006. 139 pp.
<https://edoc.ub.uni-muenchen.de/6291>
11. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
12. D. N. Blaschke, *Aspects of perturbative quantum field theory on non-commutative spaces*, PoS CORFU2015 (2016) 104.
13. T. Juric, S. Meljanac, A. Samsarov, *Twist deformations leading to kappa-Poincar Hopf algebra and their application to physics*, J. Phys. Conf. Ser. **670** (2016) no.1, 012027.
14. V. Anjana, *Diffusion in kappa deformed space and Spectral Dimension*, arXiv:1509.06892.
15. A. Pachol, P. Vitale, *kappa-Minkowski star product in any dimension from symplectic realization*, J. Phys. A **48** (2015) no.44, 445202.
16. T. Juric, S. Meljanac, A. Samsarov, *Light-like kappa-deformations and scalar field theory via Drinfeld twist*, J. Phys. Conf. Ser. **634** (2015) no.1, 012005.
17. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
18. Kumar S. Gupta, E. Harikumar, T. Juric, S. Meljanac, A. Samsarov, *Noncommutative scalar quasinormal modes and quantization of entropy of a BTZ black hole*, JHEP **1509** (2015) 025.
19. A. Borowiec, A. Pachol, *kappa-Deformations and Extended kappa-Minkowski Spacetimes*, SIGMA **10** (2014) 107.
20. A. Marciano, *On The emergence Of non locality for quantum fields enjoying kappa-poincae symmetries*, Arabian J. Sci. Eng. **33** (2008) 365-386.
21. F. M. Andrade, E. O. Silva, *The 2D kappa-Dirac oscillator*, Phys. Lett. B **738** (2014) 44-47.
22. Ch. M. Scherbakov, *On The Relativistic Quantum Mechanics Of A Particle In Space With Minimal Length*, Ukr. J. Phys. **57** (2012) 940-945.
23. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).
24. F.M. Andrade, E.O. Silva, M.M. Ferreira, E.C. Rodrigues, *On the kappa-Dirac Oscillator revisited*, Phys. Lett. B **731** (2014) 327-330.
25. A. Borowiec, A. Pachol, *Unified description for kappa-deformations of orthogonal groups*, Eur. Phys. J. C **74** (2014) no.3, 2812.
26. S. Naka, H. Toyoda, T. Takanashi, E. Umezawa, *Noncommutative spacetime realized in AdS_n+1 space: Nonlocal field theory out of noncommutative spacetime*, PTEP 2014 (2014) no.4, 043B03.
27. A. Borowiec, A. Pachol, *Bicrossproduct construction versus Weyl-Heisenberg algebra*, J. Phys. Conf. Ser. **343** (2012) 012090.
28. T. Juric, S. Meljanac, R. Strajn, *Twists, realizations and Hopf algebroid structure of kappa-deformed phase space*, Int. J. Mod. Phys. A **29** (2014), 1450022.
29. T. Juric, S. Meljanac, R. Strajn, *Differential forms and k-Minkowski spacetime from extended twist*, Eur. Phys. J. C **73** (2013) 2472.
30. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, Mod. Phys. Lett. A **28** (2013) 1350063.
31. Amir Abbass Varshovi, *Alpha-star-Cohomology and Classification of Translation-Invariant Non-Commutative Quantum Field Theories*, J. Geom. Phys. **83** (2014) 53-68.
32. E. Harikumar, A.K. Kapoor, R. Verma, *Uniformly accelerating observer in kappa-deformed space-time*, Phys. Rev. D **86** (2012) 045022.
33. A. Pachol, *kappa-Minkowski spacetime: Mathematical formalism and applications in Planck scale physics*,

34. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Scalar field propagation in the ϕ^4 kappa-Minkowski model*, JHEP **1112** (2011) 010.
35. M. Dimitrijevic, L. Jonke, *Gauge theory on kappa-Minkowski revisited: The Twist approach*, J. Phys. Conf. Ser. **343** (2012) 012049.
36. D. Kovacevic, S. Meljanac, *Kappa-Minkowski spacetime, Kappa-Poincare Hopf algebra and realizations*, J. Phys. A **45** (2012) 135208.
37. M. Arzano, G. Calcagni, D. Oriti, M. Scalisi, *Fractional and noncommutative spacetimes*, Phys. Rev. D **84** (2011) 125002.
38. M. Dimitrijevic, L. Jonke, *A Twisted look on kappa-Minkowski: $U(1)$ gauge theory*, JHEP **1112** (2011) 080.
39. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Noncommutative kappa-Minkowski ϕ^4 theory: Construction, properties and propagation*, arXiv:1107.2369 [hep-th]
40. J. Lukierski, M. Woronowicz, *Braided Tensor Products and the Covariance of Quantum Noncommutative Free Fields*, J. Phys. A **45** (2012) 215402.
41. C. Castro, *On n-ary algebras, Branes and Polyvector Gauge Theories in Noncommutative Clifford spaces*, J. Phys. A **43** (2010) 365201.
42. S. Meljanac, A. Samsarov, *Scalar field theory on kappa-Minkowski spacetime and translation and Lorentz invariance*, Int. J. Mod. Phys. A **26** (2011) 1439-1468.
43. A. Borowiec, A. Pachol, *-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA **6** (2010) 086.
44. D. N. Blaschke, E. Kronberger, R. I.P. Sedmik, M. Wohlgenannt, *Gauge Theories on Deformed Spaces*, SIGMA **6** (2010) 062.
45. A. Marciano, G. Amelino-Camelia, N. R. Bruno, G. Gubitosi, G. Mandanici, A. Melchiorri, *Interplay between curvature and Planck-scale effects in astrophysics and cosmology*, JCAP **1006** (2010) 030.
46. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A **25** (2010) 2991-3002.
47. J. Lukierski, *From Quantum Deformations of Relativistic Symmetries to Modified Kinematics and Dynamics*, Int. J. Mod. Phys. D **20** (2011) 1961-1967.
48. M. V. Battisti, S. Meljanac, *Scalar Field Theory on Non-commutative Snyder Space-Time*, Phys. Rev. D **82** (2010) 024028.
49. E. Harikumar, *Maxwell's equations on the -Minkowski spacetime and Electric-Magnetic duality*, Europhys. Lett. **90** (2010) 21001.
50. A. Bina, S. Jalalzadeh, A. Moslehi, *Quantum Black Hole in the Generalized Uncertainty Principle Framework*, Phys. Rev. D **81** (2010) 023528.
51. L. Dabrowski, M. Godlinski, G. Piacitelli, *Lorentz Covariant k-Minkowski Spacetime*, Phys. Rev. D **81** (2010) 125024.
52. E. Harikumar, M. Sivakumar, *kappa-deformed Dirac Equation*, Mod. Phys. Lett. A **26** (2011) 1103-1115.
53. H.C Kim, Y.Lee, C. Rim, *Braided Statistics from Abelian Twist in kappa-Minkowski Spacetime*, Mod. Phys. Lett. A **25** (2010) 1491-1497.
54. R. Banerjee, B. Chakraborty, S. Ghosh, P. Mukherjee, S. Samanta, *Topics in Noncommutative Geometry Inspired Physics*, Found. Phys. **39** (2009) 1297-1345.
55. M. Arzano, J. Kowalski-Glikman, A. Walkus, *Lorentz invariant field theory on kappa-Minkowski space*, Class. Quant. Grav. **27** (2010) 025012.
56. G. Amelino-Camelia, N. Loret, G. Mandanici, F. Mercati, *UV and IR quantum-spacetime effects for the Chandrasekhar model*, Int. J. Mod. Phys. D **21** (2012) 1250052.
57. J. Kowalski-Glikman, A. Walkus, *Star product and interacting fields on kappa-Minkowski space*, Mod. Phys. Lett. A **24** (2009) 2243-2250.

58. A. Borowiec, A. Pachol, *Classical basis for kappa-Poincare algebra and doubly special relativity theories*, J. Phys. A **43** (2010) 045203.
59. T.R. Govindarajan, Kumar S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Deformed Oscillator Algebras and QFT in kappa-Minkowski Spacetime*, Phys. Rev. D **80** (2009) 025014.
60. S. Meljanac, S. Kresic-Juric, *Noncommutative Differential Forms on the kappa-deformed Space*, J. Phys. A **42** (2009) 365204.
61. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D **79** (2009) 045012.
62. C.A.S. Young, R. Zegers, *On kappa-deformation and triangular quasibialgebra structure*, Nucl. Phys. B **809** (2009) 439-451.
63. M. Daszkiewicz, J. Lukierski, M. Woronowicz, *Kappa-deformed oscillators, the choice of star product and free kappa-deformed quantum fields*, J. Phys. A **42** (2009) 355201.
64. P.A. Bolokhov, M. Pospelov, *Low-energy constraints on kappa-Minkowski extension of the Standard Model*, Phys. Lett. B **677** (2009) 160-163.
65. S. Meljanac, S. Kresic-Juric, *Generalized kappa-deformed spaces, star-products, and their realizations*, J. Phys. A **41** (2008) 235203.
66. M.J. Neves, C.A.A. de Carvalho, C. Farina, M.V. Cougo-Pinto, *Primitively divergent diagrams in kappa-deformed scalar field with quartic self-interaction*, J. Phys. A **43** (2010) 105402.
67. C.A.S. Young, R. Zegers, *Covariant particle exchange for kappa-deformed theories in 1+1 dimensions*, Nucl. Phys. B **804** (2008) 342-360.
68. C. Bastos, O. Bertolami, N. C. Dias and J. N. Prata, *Phase-Space Noncommutative Quantum Cosmology*, Phys. Rev. D **78** (2008) 023516.
69. C.A.S. Young and R. Zegers, *Covariant particle statistics and intertwiners of the kappa-deformed Poincare algebra*, Nucl. Phys. B **797** (2008) 537-549.
70. A. Agostini, *Covariant formulation of Noether's theorem on kappa-Minkowski spacetime*, Int. J. Mod. Phys. A **24** (2009) 1333-1358.
71. M. Arzano and A. Marciano, *Fock space, quantum fields and kappa-Poincare symmetries*, Phys. Rev. D **76** (2007) 125005.
72. L. Freidel, J. Kowalski-Glikman and S. Nowak, *Field theory on kappa-Minkowski space revisited: Noether charges and breaking of Lorentz symmetry*, Int. J. Mod. Phys. A **23** (2008) 2687-2718.
73. C. Chryssomalakos and E. Okon, *Star product and invariant integration for Lie type noncommutative spacetimes*, JHEP **0708** (2007) 012.
74. S. Meljanac, A. Samsarov, M. Stojic and K.S. Gupta, *Kappa-Minkowski space-time and the star product realizations*, Eur. Phys. J. C **53** (2008) 295-309.
75. S. Kresic-Juric, S. Meljanac and M. Stojic, *Covariant realizations of kappa-deformed space*, Eur. Phys. J. C **51** (2007) 229-240.
76. S. Ghosh and P. Pal, *Deformed Special Relativity and Deformed Symmetries in a Canonical Framework*, Phys. Rev. D **75** (2007) 105021.
77. R. J. Szabo *Symmetries and Renormalization of Noncommutative Field Theory*, based on plenary lecture delivered at the VI Latin American Symposium on High Energy Physics, November 1-8, 2006, Puerto Vallarta, Mexico; to be published in the proceedings by American Institute of Physics, hep-th/0701224.
78. M. Daszkiewicz, J. Lukierski, M. Woronowicz, *Noncommutative Translations and \star -Product Formalism*, Proceedings of the 11-th Marcel Grossmann meeting, Berlin, July 2006, Ed. H. Kleinert, R.T. Jantzen and R. Rufini, World Scientific, Singapore 2007, hep-th/0701152.
79. L. Freidel, J. Kowalski-Glikman, S. Nowak, *From noncommutative kappa-Minkowski to Minkowski space-time*, hep-th/0612170.
80. S. Meljanac and M. Stojić, *New realizations of Lie algebra kappa-deformed Euclidean space*, accepted for publication in Eur. Phys. J. C (2006).
81. M. Wohlgenannt, *Non-commutative geometry and physics*, hep-th/0602105.

82. S. Halliday and R. J. Szabo, *Noncommutative field theory on homogeneous gravitational waves*, J. Phys. A **39**, 5189-5226 (2006).
83. T. Konopka, *A Field theory model with a new Lorentz-invariant energy scale*, hep-th/0601030.
84. A. Agostini, *kappa-Minkowski operators on Hilbert spaces*, hep-th/0512114.
85. R. Banerjee, C. Lee and S. Siwach, *Deformed conformal and super-Poincaré symmetries in the non-(anti)commutative spaces*, hep-th/0511205.
86. Wolfgang Behr, *Noncommutative gauge theory beyond the canonical case*, Ph.D. Thesis, hep-th/0511119.
87. F. Meyer, *Noncommutative spaces and gravity*, talk given at 28th Spanish Relativity Meeting (ERE05): A Century of Relativity Physics, Oviedo, Asturias, Spain, 6-10 Sep 2005, hep-th/0510188.
88. S. Ghosh, *Lie particle and its Batalin-Tyutin extension*, hep-th/0510038.
89. M. Burić and J. Madore, *A Dynamical 2-dimensional fuzzy space*, Phys. Lett. B **622**, 183-191 (2005).
90. H. Grosse and M. Wohlgenannt, *On kappa-deformation and UV/IR mixing*, hep-th/0507030.
91. J. M. Carmona and J. L. Cortes, *Relativity principle with a low energy invariant scale*, Phys. Rev. D **72**, 064009 (2005).
92. S. Ghosh, *The AdS particle*, Phys. Lett. B **623**, 251-257, (2005).
93. M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, JHEP **0509**, 068, 15 pages (2005).
94. B. Melić, K. Pasek-Kumerički, J. Trampetić, P. Schupp and M. Wohlgenannt, *The Standard model on non-commutative space-time: Electroweak currents and Higgs sector*, Eur. Phys. J. **C42**, 483-497 (2005).
95. S. Nowak, *Lorentz invariance of scalar field action on kappa-Minkowski space-time*, hep-th/0501017.
96. G. Amelino-Camelia, *Introduction to quantum-gravity phenomenology*, lectures given at 40th Winter School of Theoretical Physics: Quantum Gravity Phenomenology, Ladek Zdroj, Poland, 4-14 Feb 2004, Lect. Notes Phys. **669**, 59-100 (2005).
97. A. Sykora, *The application of star-products to noncommutative geometry and gauge theory*, Ph.D. Thesis, hep-th/0412012.
98. M. Dimitrijević and J. Wess, *Deformed Bialgebra of Diffeomorphisms*, hep-th/0411224.
99. M. Daszkiewicz, K. Imilkowska, J. Kowalski-Glikman and S. Nowak, *Scalar field theory on kappa-Minkowski space-time and doubly special relativity*, Int.J. Mod. Phys. A **20**, 4925-4940 (2005).
100. G. Amelino-Camelia, *Improving limits on Planck-scale Lorentz-symmetry test theories*, Proceedings of Soft X-ray Emission from clusters of Galaxies and Related Phenomena, Huntsville, Alabama, 11-13 Dec 2002, astro-ph/0410076.
101. L. Moller, *A Symmetry invariant integral on kappa-deformed spacetime*, JHEP **0512**, 029 (2005).
102. F. Koch and E. Tsouchnika, *Construction of θ -Poincaré algebras and their invariants on M_θ* , Nucl. Phys. **B717**, 387 (2005).
103. J. Wess, *Deformed Coordinate Spaces; Derivatives*, lectures given at BW2003 Workshop on Mathematical, Theoretical and Phenomenological Challenges Beyond the Standard Model: Perspectives of Balkans Collaboration, Vrnjacka Banja, Serbia, 29.Aug-2.Sep 2003, hep-th/0408080.
104. A. Agostini, G. Amelino-Camelia, M. Arzano and F. D'Andrea, *Action functional for kappa-Minkowski noncommutative spacetime*, hep-th/0407227.
105. M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Field theory on kappa-spacetime*, Proceedings of the XIII International Colloquium on Integrable Systems and Quantum Groups, June 2004, Prague Czech.J.Phys. **54**, 1243-1248 (2004).

106. M. Burić and J. Madore, *Noncommutative 2-dimensional models of gravity*, talk (partially) given at ESI Workshop on Gravity in Two-Dimensions, Vienna, Austria, 15.Sep-12.Oct 2003, hep-th/0406232.
107. G. Mandanici and A. Marciano, *Heisenberg evolution in a quantum theory of noncommutative fields*, JHEP **0409**, 040 (2004).
108. J. L. Cortes and J. Gamboa, *Quantum uncertainty in doubly special relativity*, Phys. Rev. D **71**, 065015 (2005).
109. C. Jambor and A. Sykora, *Realization of algebras with the help of \star -products*, hep-th/0405268.
110. M. Dimitrijević, L. Möller and E. Tsouchnika, *Derivatives, forms and vector fields on the κ -deformed Euclidean space*, J. Phys. **A**, 9749-9770 (2004).
111. R. Aloisio, J. M. Carmona, J. L. Cortes, A. Galante, A. F. Grillo and F. Mendez, *Particle and antiparticle sectors in DSR1 and kappa-Minkowski space-time*, JHEP **0405**, 028 (2004).
112. G. Amelino-Camelia, *Planck-scale structure of spacetime and some implications for astrophysics and cosmology*, talk at Thinking, Observing and Mining the Universe, Sorrento, Italy, 22-27 Sep 2003, astro-ph/0312014.
113. M. Dimitrijević, F. Meyer, L. Möller and J. Wess, *Gauge theories on κ -spacetime*, Eur. Phys. J. **C36**, 117-126 (2004).
114. G. Amelino-Camelia, *The Three perspectives on the quantum gravity problem and their implications for the fate of Lorentz symmetry*, based on invited Seminars given at Colloquium on Perspectives on Quantum Gravity: A Tribute to John Stachel, Boston, Massachusetts, 6 Mar 2003, and at 10th Marcel Grossman Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories (MG X MMIII), Rio de Janeiro, Brazil, 20-26 Jul 2003, gr-qc/0309054.
115. G. Amelino-Camelia, *Fundamental physics in space: a quantum-gravity perspective*, Gen. Rel. Grav. **36**, 539-560 (2004).
- M. Dimitrijević, F. Meyer, L. Möller and J. Wess, *Gauge theories on κ -spacetime*, Eur. Phys. J. **C36**, 117-126 (2004), citiran je u sledećim radovima:
 1. R. Blumenhagen, I. Brunner, V. Kupriyanov, D. Lust, *Bootstrapping Non-commutative Gauge Theories from L_∞ algebras*, arXiv:1803.00732.
 2. T. Poulain, J. -C. Wallet, *Kappa-Poincar invariant quantum field theories with KMS weight*, arXiv:1801.02715.
 3. Frank Meyer, *Gauge-Field Theories and Gravity on Noncommutative Spaces*, PhD Thesis 2006. 288 pp.
<https://edoc.ub.uni-muenchen.de/5335/>
 4. Florian Koch, *Construction of Quantum Symmetries for Realistic Field Theories on Noncommutative Spaces*, PhD Thesis 2006. 139 pp.
<https://edoc.ub.uni-muenchen.de/6291>
 5. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
 6. A. Pachol, P. Vitale, *kappa-Minkowski star product in any dimension from symplectic realization*, J. Phys. A **48** (2015) no.44, 445202.
 7. T. Juric, S. Meljanac, A. Samsarov, *Light-like kappa-deformations and scalar field theory via Drinfeld twist*, J. Phys. Conf. Ser. **634** (2015) no.1, 012005.
 8. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
 9. R. Verma, *Twisted fermionic oscillator algebra in kappa-minkowski space-time*, Eur. Phys. J. Plus **130** (2015) no.4, 79.

10. Ch. M. Scherbakov, *On The Relativistic Quantum Mechanics Of A Particle In Space With Minimal Length*, Ukr. J. Phys. **57** (2012) 940-945.
11. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).
12. D. Kovacevic, S. Meljanac, A. Samsarov, Z. Skoda, *Hermitian realizations of kappa-Minkowski spacetime*, Int.J.Mod.Phys. A30 (2015) no.03, 1550019
13. E. Beggs, R. Makki, *The Majid-Ruegg model and the Planck scales*, arXiv:1306.4518.
14. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, Mod. Phys. Lett. A **28** (2013) 1350063.
15. E. Harikumar, A.K. Kapoor, R. Verma, *Uniformly accelerating observer in kappa-deformed space-time*, Phys. Rev. D86 (2012) 045022.
16. M. Dimitrijevic, L. Jonke, *Gauge theory on kappa-Minkowski revisited: The Twist approach*, J. Phys. Conf. Ser. 343 (2012) 012049.
17. S. Meljanac, Z. Skoda, D. Svrtan, *Exponential formulas and Lie algebra type star products*, SIGMA **8** (2012) 013.
18. M. Dimitrijevic, L. Jonke, *A Twisted look on kappa-Minkowski: $U(1)$ gauge theory*, JHEP 1112 (2011) 080.
19. Carlos Castro, *On n -ary algebras, Branes and Polyvector Gauge Theories in Noncommutative Clifford spaces*, J. Phys. A43 (2010) 365201.
20. S. Meljanac, A. Samsarov, *Scalar field theory on kappa-Minkowski spacetime and translation and Lorentz invariance*, Int. J. Mod. Phys. A26 (2011) 1439-1468.
21. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA **6** (2010) 086.
22. S. Meljanac, S. Kresic-Juric, *Differential structure on kappa-Minkowski space, and kappa-Poincare algebra*, Int. J. Mod. Phys. A26 (2011) 3385-3402.
23. D. Blaschke, E. Kronberger, R. I.P. Sedmik, M. Wohlgenannt, *Gauge Theories on Deformed Spaces*, SIGMA **6** (2010) 062.
24. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A25 (2010) 2991-3002.
25. E. Harikumar, *Maxwell's equations on the kappa-Minkowski spacetime and Electric-Magnetic duality*, Europhys. Lett. 90 (2010) 21001.
26. Zoran Skoda, *Heisenberg double versus deformed derivatives*, Int. J. Mod. Phys. A26 (2011) 4845-4854.
27. J. Kowalski-Glikman, A. Walkus, *Star product and interacting fields on kappa-Minkowski space*, Mod. Phys. Lett. A24 (2009) 2243-2250.
28. T.R. Govindarajan, Kumar S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Deformed Oscillator Algebras and QFT in kappa-Minkowski Spacetime*, Phys. Rev. D80 (2009) 025014.
29. S. Meljanac, S. Kresic-Juric, *Noncommutative Differential Forms on the kappa-deformed Space*, J. Phys. A42 (2009) 365204.
30. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D79 (2009) 045012.
31. P. A. Bolokhov, M. Pospelov, *Low-energy constraints on kappa-Minkowski extension of the Standard Model*, Phys. Lett. B677 (2009) 160-163.
32. S. Meljanac, S. Kresic-Juric, *Generalized kappa-deformed spaces, star-products, and their realizations*, J. Phys. A41 (2008) 235203.
33. T.R. Govindarajan (IMSc, Chennai), Kumar S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Twisted statistics in kappa-Minkowski spacetime*, Phys. Rev. D77 (2008) 105010.
34. L. Freidel, J. Kowalski-Glikman, S. Nowak, *Field theory on kappa-Minkowski space revisited: Noether charges and breaking of Lorentz symmetry*, Int. J. Mod. Phys. A23 (2008) 2687-2718.

35. C. Chryssomalakos, E. Okon, *Star product and invariant integration for Lie type noncommutative spacetimes*, JHEP 0708 (2007) 012.
36. S. Meljanac, A. Samsarov, M. Stojic, K.S. Gupta, *Kappa-Minkowski space-time and the star product realizations*, Eur. Phys. J. C53 (2008) 295-309.
37. A. Pinzul, A. Stern, *Gauge Theory of the Star Product*, Nucl. Phys. B791 (2008) 284-297.
38. S. Kresic-Juric, S. Meljanac, M. Stojic, *Covariant realizations of kappa-deformed space*, Eur. Phys. J. C51 (2007) 229-240.
39. G. Fiore, *q-Deformed su(2) instantons by q-quaternions*, JHEP **02**, 010 (2007), [hep-th/0702073].
40. L. Freidel, J. Kowalski-Glikman, S. Nowak, *From noncommutative kappa-Minkowski to Minkowski space-time*, hep-th/0612170.
41. S. Meljanac and M. Stojić, *New realizations of Lie algebra kappa-deformed Euclidean space*, accepted for publication in Eur. Phys. J. C (2006).
42. T. Konopka, *A Field theory model with a new Lorentz-invariant energy scale*, hep-th/0601030.
43. A. Agostini, *kappa-Minkowski operators on Hilbert spaces*, hep-th/0512114.
44. Wolfgang Behr, *Noncommutative gauge theory beyond the canonical case*, Ph.D. Thesis, hep-th/0511119.
45. F. Meyer, *Noncommutative spaces and gravity*, talk given at 28th Spanish Relativity Meeting (ERE05): A Century of Relativity Physics, Oviedo, Asturias, Spain, 6-10 Sep 2005, hep-th/0510188.
46. P. Aschieri, C. Blohmann, M. Dimitrijević, F. Meyer, P. Schupp and J. Wess, *A Gravity Theory on Noncommutative Spaces*, Class. Quant. Grav. **22**, 3511-3522 (2005).
47. M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, JHEP **0509**, 068, 15 stranica (2005).
48. B. Melić, K. Passek-Kumerički, J. Trampetić, P. Schupp and M. Wohlgenannt, *The Standard model on non-commutative space-time: Electroweak currents and Higgs sector*, Eur. Phys. J. C**42**, 483-497 (2005).
49. S. Nowak, *Lorentz invariance of scalar field action on kappa-Minkowski space-time*, hep-th/0501017.
50. A. Sykora, *The application of star-products to noncommutative geometry and gauge theory*, Ph.D. Thesis, hep-th/0412012.
51. M. Daszkiewicz, K. Imilkowska, J. Kowalski-Glikman and S. Nowak, *Scalar field theory on kappa-Minkowski space-time and doubly special relativity*, Int.J. Mod. Phys. A **20**, 4925-4940 (2005).
52. L. Moller, *A Symmetry invariant integral on kappa-deformed spacetime*, JHEP **0512**, 029 (2005).
53. L. Moller, *Second order of the expansions of action functionals of the noncommutative standard model*, JHEP **0410**, 063 (2004).
54. F. Koch and E. Tsouchnika, *Construction of θ -Poincaré algebras and their invariants on M_θ* , Nucl. Phys. **B717**, 387 (2005).
55. J. Wess, *Deformed Coordinate Spaces; Derivatives*, lectures given at BW2003 Workshop on Mathematical, Theoretical and Phenomenological Challenges Beyond the Standard Model: Perspectives of Balkans Collaboration, Vrnjacka Banja, Serbia, 29.Aug-2.Sep 2003, hep-th/0408080.
56. M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Field theory on kappa-spacetime*, Proceedings of the XIII International Colloquium on Integrable Systems and Quantum Groups, June 2004, Prague Czech.J.Phys. 54, 1243-1248 (2004).
57. M. Dimitrijević, L. Möller and E. Tsouchnika, *Derivatives, forms and vector fields on the κ -deformed Euclidean space*, J. Phys. **A**, 9749-9770 (2004).
58. R. Aloisio, J. M. Carmona, J. L. Cortes, A. Galante, A. F. Grillo and F. Mendez, *Particle and antiparticle sectors in DSR1 and kappa-Minkowski space-time*, JHEP **0405**, 028 (2004).

59. P. Aschieri, *Noncommutative GUTs, standard model and C, P, T properties from Seiberg-Witten map*, presented at BW2003 Workshop on Mathematical, Theoretical and Phenomenological Challenges Beyond the Standard Model: Perspectives of Balkans Collaboration, Vrnjacka Banja, Serbia, 29.Aug-2.Sep 2003, and at 9th Adriatic Meeting, Dubrovnik, Croatia, 4.-14. Sep 2003.
- M. Dimitrijević, L. Möller and E. Tsouchnika, *Derivatives, forms and vector fields on the κ -deformed Euclidean space*, J. Phys. **A**, 9749-9770 (2004), citiran je u sledećim radovima:
 1. T. Poulain, J. -C. Wallet, *Kappa-Poincar invariant quantum field theories with KMS weight*, arXiv:1801.02715.
 2. Frank Meyer, *Gauge-Field Theories and Gravity on Noncommutative Spaces*, PhD Thesis 2006. 288 pp.
<https://edoc.ub.uni-muenchen.de/5335/>
 3. Florian Koch, *Construction of Quantum Symmetries for Realistic Field Theories on Noncommutative Spaces*, PhD Thesis 2006. 139 pp.
<https://edoc.ub.uni-muenchen.de/6291>
 4. T. Juric, S. Meljanac, D. Pikutic, *Realizations of kappa-Minkowski space, Drinfeld twists and related symmetry algebras*, Eur. Phys. J. C **75** (2015) no.11, 528.
 5. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, Mod. Phys. Lett. A **28** (2013) 1350063.
 6. E. Harikumar, A.K. Kapoor, R. Verma, *Uniformly accelerating observer in kappa-deformed space-time*, Phys. Rev. D **86** (2012) 045022.
 7. S. Meljanac, S. Kresic-Juric, R. Strajn, *Differential algebras on kappa-Minkowski space and action of the Lorentz algebra*, Int. J. Mod. Phys. A **27** (2012) 1250057.
 8. E. Harikumar, T. Juric, S. Meljanac, *Geodesic equation in k-Minkowski spacetime*, Phys. Rev. D **86** (2012) 045002.
 9. E. Harikumar, T. Juric, S. Meljanac, *Electrodynamics on kappa-Minkowski space-time*, Phys. Rev. D **84** (2011) 085020.
 10. M. Dimitrijevic, L. Jonke, *A Twisted look on kappa-Minkowski: U(1) gauge theory*, JHEP **1112** (2011) 080.
 11. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA **6** (2010) 086.
 12. S. Meljanac, S. Kresic-Juric, *Differential structure on kappa-Minkowski space, and kappa-Poincare algebra*, Int. J. Mod. Phys. A **26** (2011) 3385-3402.
 13. D. N. Blaschke, E. Kronberger, R. I.P. Sedmik, M. Wohlgenannt, *Gauge Theories on Deformed Spaces*, SIGMA **6** (2010) 062.
 14. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A **25** (2010) 2991-3002.
 15. E. Harikumar, *Maxwell's equations on the κ -Minkowski spacetime and Electric-Magnetic duality*, Europhys. Lett. **90** (2010) 21001.
 16. E. Harikumar, M. Sivakumar, *Kappa-deformed Dirac Equation*, Mod. Phys. Lett. A **26** (2011) 1103-1115.
 17. T.R. Govindarajan, K. S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Deformed Oscillator Algebras and QFT in kappa-Minkowski Spacetime*, Phys. Rev. D **80** (2009) 025014.
 18. S. Meljanac, S. Kresic-Juric, *Noncommutative Differential Forms on the kappa-deformed Space*, J. Phys. A **42** (2009) 365204.
 19. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D **79** (2009) 045012.

20. C.A.S. Young, R. Zegers, *On kappa-deformation and triangular quasibialgebra structure*, Nucl. Phys. B809 (2009) 439-451.
 21. M. Daszkiewicz, J. Lukierski, M. Woronowicz, *Kappa-deformed oscillators, the choice of star product and free kappa-deformed quantum fields*, J. Phys. A42 (2009) 355201.
 22. S. Meljanac, S. Kresic-Juric, *Generalized kappa-deformed spaces, star-products, and their realizations*, J. Phys. A41 (2008) 235203.
 23. C.A.S. Young, R. Zegers, *Covariant particle exchange for kappa-deformed theories in 1+1 dimensions*, Nucl. Phys. B804 (2008) 342-360.
 24. T.R. Govindarajan, K. S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Twisted statistics in kappa-Minkowski spacetime*, Phys. Rev. D77 (2008) 105010.
 25. C.A.S. Young, R. Zegers, *Covariant particle statistics and intertwiners of the kappa-deformed Poincare algebra*, Nucl. Phys. B797 (2008) 537-549.
 26. S. Meljanac, A. Samsarov, M. Stojic, K.S. Gupta, *Kappa-Minkowski space-time and the star product realizations*, Eur. Phys. J. C53 (2008) 295-309.
 27. S. Kresic-Juric, S. Meljanac, M. Stojic, *Covariant realizations of kappa-deformed space*, Eur. Phys. J. C51 (2007) 229-240.
 28. S. Meljanac and M. Stojić, *New realizations of Lie algebra kappa-deformed Euclidean space*, accepted for publication in Eur. Phys. J. C (2006).
 29. M. Wohlgenannt, *Non-commutative geometry and physics*, hep-th/0602105.
 30. S. Halliday and R. J. Szabo, *Noncommutative field theory on homogeneous gravitational waves*, J. Phys. A **39**, 5189-5226 (2006).
 31. R. Banerjee, C. Lee and S. Siwach, *Deformed conformal and super-Poincaré symmetries in the non-(anti)commutative spaces*, hep-th/0511205.
 32. Wolfgang Behr, *Noncommutative gauge theory beyond the canonical case*, Ph.D. Thesis, hep-th/0511119.
 33. H. Grosse and M. Wohlgenannt, *On kappa-deformation and UV/IR mixing*, hep-th/0507030.
 34. M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, JHEP **0509**, 068, 15 stranica (2005).
 35. B. Melić, K. Passek-Kumerički, J. Trampetić, P. Schupp and M. Wohlgenannt, *The Standard model on non-commutative space-time: Electroweak currents and Higgs sector*, Eur. Phys. J. **C42**, 483-497 (2005).
 36. L. Moller, *A Symmetry invariant integral on kappa-deformed spacetime*, JHEP **0512**, 029 (2005).
 37. F. Koch and E. Tsouchnika, *Construction of θ -Poincaré algebras and their invariants on M_θ* , Nucl. Phys. **B717**, 387 (2005).
 38. J. Wess, *Deformed Coordinate Spaces; Derivatives*, lectures given at BW2003 Workshop on Mathematical, Theoretical and Phenomenological Challenges Beyond the Standard Model: Perspectives of Balkans Collaboration, Vrnjacka Banja, Serbia, 29.Aug-2.Sep 2003, hep-th/0408080.
 39. M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Field theory on kappa-spacetime*, Proceedings of the XIII International Colloquium on Integrable Systems and Quantum Groups, June 2004, Prague Czech.J.Phys. 54, 1243-1248 (2004).
- M. Dimitrijević, L. Jonke, L. Möller, E. Tsouchnika, J. Wess and M. Wohlgenannt, *Field theory on kappa-spacetime*, Proceedings of the XIII International Colloquium on Integrable Systems and Quantum Groups, June 2004, Prague Czech.J.Phys. 54, 1243-1248 (2004), citiran je u sledećim radovima:
 1. R. Verma, A. N. Bose, *Effect of Noncommutativity of Space-time on Zitterbewegung*, Eur. Phys. J. Plus **132** (2017) no.5, 220.

2. M. Arzano, J. Kowalski-Glikman, A. Walkus, *Lorentz invariant field theory on kappa-Minkowski space*, *Class. Quant. Grav.* 27 (2010) 025012.
3. J. Kowalski-Glikman, A. Walkus, *Star product and interacting fields on kappa-Minkowski space*, *Mod. Phys. Lett. A* 24 (2009) 2243-2250.
4. C.A.S. Young, R. Zegers, *Triangular quasi-Hopf algebra structures on certain non-semisimple quantum groups*, *Commun. Math. Phys.* 298 (2010) 585-611.
5. C.A.S. Young, R. Zegers, *On kappa-deformation and triangular quasibialgebra structure*, *Nucl. Phys. B* 809 (2009) 439-451.
6. C.A.S. Young, R. Zegers, *Covariant particle exchange for kappa-deformed theories in 1+1 dimensions*, *Nucl. Phys. B* 804 (2008) 342-360.
7. C.A.S. Young, R. Zegers, *Covariant particle statistics and intertwiners of the kappa-deformed Poincare algebra*, *Nucl. Phys. B* 797 (2008) 537-549.
8. M. Daszkiewicz, J. Lukierski, M. Woronowicz, *Towards quantum noncommutative kappa-deformed field theory*, *Phys. Rev. D* 77 (2008) 105007.
9. L. Freidel, J. Kowalski-Glikman, S. Nowak, *Field theory on kappa-Minkowski space revisited: Noether charges and breaking of Lorentz symmetry*, *Int. J. Mod. Phys. A* 23 (2008) 2687-2718.
10. L. Freidel, J. Kowalski-Glikman, S. Nowak, *From noncommutative kappa-Minkowski to Minkowski space-time*, [hep-th/0612170](#).
11. B. Basu, S. Ghosh and S. Dhar, *Noncommutative geometry and geometric phases*, [hep-th/0604068](#).
12. S. Ghosh, *Singular magnetic field and a new non-commutative space*, [hep-th/0511302](#).
13. R. Banerjee, C. Lee and S. Siwach, *Deformed conformal and super-Poincaré symmetries in the non-(anti)commutative spaces*, [hep-th/0511205](#).
14. S. Ghosh, *Lie particle and its Batalin-Tyutin extension*, [hep-th/0510038](#).
15. H. Grosse and M. Wohlgenannt, *On kappa-deformation and UV/IR mixing*, [hep-th/0507030](#).
16. N. A. Gromov and V. V. Kuratov, *Noncommutative space-time models*, talk given at 14th International Colloquium on Integrable Systems and Quantum Groups, Prague, Czech Republic, 16-18 Jun 2005, *Czech. J. Phys.* 55, 1421-1426 (2005).
17. S. Ghosh, *The AdS particle*, *Phys. Lett. B* 623, 251-257, (2005).
18. S. Nowak, *Lorentz invariance of scalar field action on kappa-Minkowski space-time*, [hep-th/0501017](#).
19. M. Daszkiewicz, K. Imilkowska, J. Kowalski-Glikman and S. Nowak, *Scalar field theory on kappa-Minkowski space-time and doubly special relativity*, *Int. J. Mod. Phys. A* 20, 4925-4940 (2005).

M. Dimitrijević and J. Wess, *Deformed Bialgebra of Diffeomorphisms*, [hep-th/0411224](#), citiran je u sledećim radovima:

1. S. Kumar, *Study of Planar Models in Quantum Mechanics, Field theory and Gravity*, [arXiv:1408.6665](#).
2. R. Srivastava, *Spin-Statistics Correlations in Various Noncommutative Field Theories*, [arXiv:1309.0221](#).
3. Earnest Akofor, *Quantum Theory, Noncommutativity and Heuristics*, [arXiv:1012.5133 \[hep-th\]](#).
4. S. Kumar, S. Samanta, *Study on the noncommutative representations of Galilean generators*, *Int. J. Mod. Phys. A* 25 (2010) 3221-3233.
5. E.M.C. Abreu, A.C.R. Mendes, W. Oliveira, *The Noncommutative Doplicher-Fredenhagen-Roberts-Amorim space*, *SIGMA* 6 (2010) 083.
6. A.P. Balachandran, B.A. Qureshi, *Poincare Quasi-Hopf Symmetry and Non-Associative Spacetime Algebra from Twisted Gauge Theories*, *Phys. Rev. D* 81 (2010) 065006.

7. Kuldeep Kumar, *Aspects of noncommutativity in field theory, strings and membranes*, arXiv:0812.5045 [hep-th].
8. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Twisted Covariant Noncommutative Self-dual Gravity*, Phys. Rev. D78 (2008) 124008.
9. Sunandan Gangopadhyay, *Some Studies in Noncommutative Quantum Field Theories*, arXiv:0806.2013 [hep-th].
10. E. Akofor, A.P. Balachandran, A. Joseph, *Quantum Fields on the Groenewold-Moyal Plane*, Int. J. Mod. Phys. A23 (2008) 1637-1677.
11. E. Akofor, A.P. Balachandran, S.G. Jo, A. Joseph, *Quantum fields on the Groenewold-Moyal plane: C, P, T and CPT*, JHEP 0708 (2007) 045.
12. M. Riccardi, R. J. Szabo, *Wilson Loops and Area-Preserving Diffeomorphisms in Twisted Noncommutative Gauge Theory*, hep-th/0701273.
13. J. Wess, *Deformed Gauge Theories*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005, hep-th/0608135.
14. A. P. Balachandran, B. A. Qureshi, *Noncommutative Geometry: Fuzzy Spaces, the Groenewold-Moyal Plane*, SIGMA 2, 094 (2006), [hep-th/0606115].
15. R. Banerjee and Kuldeep Kumar, *Deformed relativistic and nonrelativistic symmetries on canonical noncommutative spaces*, hep-th/0604162.
16. C. Saemann, *Aspects of twistor geometry and supersymmetric field theories within superstring theory*, Ph.D. Thesis, hep-th/0603098.
17. B. A. Qureshi, *Twisted supersymmetry, fermion-boson mixing and removal of UV-IR mixing*, hep-th/0602040.
18. B. Chakraborty, S. Gangopadhyay, A. G. Hazra and F. G. Scholtz, *Twisted Galilean symmetry and the Pauli principle at low energies*, hep-th/0601121.
19. R. Banerjee, C. Lee and S. Siwach, *Deformed conformal and super-Poincaré symmetries in the non-(anti)commutative spaces*, hep-th/0511205.
20. P. Aschieri, M. Dimitrijević, F. Meyer and J. Wess, *Noncommutative Geometry and Gravity*, Class. Quant. Grav. **23**, 1883-1912 (2006).
21. R. Banerjee, *Deformed Schrodinger symmetry on noncommutative space*, hep-th/0508224.
22. A. P. Balachandran, A. Pinzul and B. A. Qureshi, *UV-IR mixing in non-commutative plane*, Phys. Lett. B **634**, 434-436 (2006).
23. O. W. Greenberg, *Failure of microcausality in quantum field theory on noncommutative spacetime*, Phys. Rev. D **73**, 045014 (2006).
24. A. P. Balachandran, G. Mangano, A. Pinzul and S. Vaidya, *Spin and statistics on the Groenewald-Moyal plane: Pauli-forbidden levels and transitions*, hep-th/0508002.
25. C. Gónzalez, P. Kosinski, P. Maslanka and S. Giller, *Global symmetries of noncommutative space-time*, Phys. Rev. D **72**, 067702 (2005).
26. M. Ihl and C. Saemann, *Drinfeld-twisted supersymmetry and non-anticommutative superspace*, JHEP **0601**, 065 (2006).
27. P. Aschieri, C. Blohmann, M. Dimitrijević, F. Meyer, P. Schupp and J. Wess, *A Gravity Theory on Noncommutative Spaces*, Class. Quant. Grav. **22**, 3511-3522 (2005).
28. M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, JHEP **0509**, 068, 15 stranica (2005).
29. P. Matlock, *Non-commutative geometry and twisted conformal symmetry*, Phys. Rev. D **71**, 126007 (2005).

- M. Dimitrijević, L. Jonke and L. Möller, *U(1) gauge field theory on kappa-Minkowski space*, JHEP **0509**, citiran je u sledećim radovima:

1. T. Poulain, J.-C. Wallet, *Kappa-Poincar invariant quantum field theories with KMS weight*, arXiv:1801.02715.
 2. R. Klabbers, *Thermodynamics of Inozemtsev's Elliptic Spin Chain*, Nucl. Phys. B **907** (2016) 77-106.
 3. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
 4. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
 5. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).
 6. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, arXiv:1211.4304 [hep-th].
 7. E. Harikumar, A.K. Kapoor, R. Verma, *Uniformly accelerating observer in kappa-deformed space-time*, Phys. Rev. D **86** (2012) 045022.
 8. E. Harikumar, T. Juric, S. Meljanac, *Geodesic equation in k -Minkowski spacetime*, Phys. Rev. D **86** (2012) 045002.
 9. M. Dimitrijevic, L. Jonke, *Gauge theory on kappa-Minkowski revisited: The Twist approach*, J. Phys. Conf. Ser. **343** (2012) 012049.
 10. E. Harikumar, T. Juric, S. Meljanac, *Electrodynamics on kappa-Minkowski space-time*, Phys. Rev. D **84** (2011) 085020.
 11. M. Dimitrijevic, L. Jonke, *A Twisted look on kappa-Minkowski: $U(1)$ gauge theory*, JHEP **1112** (2011) 080.
 12. Carlos Castro, *On n -ary algebras, Branes and Polyvector Gauge Theories in Noncommutative Clifford spaces*, J. Phys. A **43** (2010) 365201.
 13. Rong-Xin Miao, *The Covariant and On-Shell Statistics in Kappa-Deformed Spacetime*, J. Math. Phys. **50** (2009) 063502.
 14. D. Blaschke, E. Kronberger, R.I.P. Sedmik, M. Wohlgenannt, *Gauge Theories on Deformed Spaces*, SIGMA **6** (2010) 062.
 15. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A **25** (2010) 2991-3002.
 16. E. Harikumar, *Maxwell's equations on the kappa-Minkowski spacetime and Electric-Magnetic duality*, Europhys. Lett. **90** (2010) 21001.
 17. P. A. Bolokhov, M. Pospelov, *Low-energy constraints on kappa-Minkowski extension of the Standard Model*, Phys. Lett. B **677** (2009) 160-163.
 18. Hyeong-Chan Kim, Chaiho Rim, Jae Hyung Yee, *Blackbody radiation in kappa-Minkowski spacetime*, Phys. Rev. D **76** (2007) 105012.
- P. Aschieri, C. Blohmann, M. Dimitrijević, F. Meyer, P. Schupp and J. Wess, *A Gravity Theory on Noncommutative Spaces*, Class. Quant. Grav. **22**, 3511-3522 (2005), citiran je u sledećim radovima:
 1. L. Huang, J. Chen, Y. Wang, *Quasinormal modes and quantization of area/entropy for noncommutative BTZ black hole*, Eur. Phys. J. C **78** (2018) no.4, 299.
 2. M. Dimitrijevic Ciric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.
 3. R. J. Szabo, *Higher Quantum Geometry and Non-Geometric String Theory*, arXiv:1803.08861.
 4. Z. Kuznetsova, F. Toppan, *On Light-like Deformations of the Poincar Algebra*, arXiv:1803.07406.

5. Umut Buyukcam, *Application of Canonical Effective Methods to Background-Independent Theories*, PhD Thesis 2017.
<https://etda.libraries.psu.edu/catalog/14364uxb101>
6. A. Addazi, P. Belli, R. Bernabei, A. Marciano, *Testing Noncommutative Spacetimes and Violations of the Pauli Exclusion Principle with underground experiments*, arXiv:1712.08082.
7. M. Bojowald, S. Brahma, U. Buyukcam, M. Ronco, *Extending general covariance: Moyal-type noncommutative manifolds*, arXiv:1712.07413.
8. C. A. Aguilln, A. Much, M. Rosenbaum, J. David Vergara, *Noncommutative Riemannian geometry from quantum spacetime generated by twisted Poincare group*, J. Math. Phys. **58** (2017) no.11, 112301.
9. P. Aschieri, M. Dimitrijević Ćirić and R. Szabo, *Nonassociative differential geometry and gravity with non-geometric fluxes*, JHEP **1802**, 036 (2018).
10. D. Meljanac, S. Meljanac, D. Pikutic, *Families of vector-like deformations of relativistic quantum phase spaces, twists and symmetries*, Eur. Phys. J. C **77** (2017) no.12, 830.
11. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC $SO(2,3)$ model*, Eur. Phys. J. C **78** (2018) no.3, 195.
12. M. Dimitrijevic Ćiric, N. Konjik, A. Samsarov, *Noncommutative Scalar Quasinormal Modes of the Reissner Nordström Black Hole*, arXiv:1708.04066.
13. A. Much, M. Rosenbaum, J. David Vergara, D. Vidal-Cruzprieto, *Quantum-Corrected Einstein Equations for a Noncommutative Spacetime of Lie-Algebraic Type*, arXiv:1705.03499.
14. Gianluca Calcagni, *Classical and Quantum Cosmology*, Springer, Cham.
DOI: 10.1007/978-3-319-41127-9
15. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC $SO(2,3)_*$ gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).
16. Y. Kaneko, H. Muraki, S. Watamura, *Contravariant Gravity on Poisson Manifolds and Einstein Gravity*, Class. Quant. Grav. **34** (2017) no.11, 115002.
17. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
18. A. Kobakhidze, C. Lagger, A. Manning, *Constraining noncommutative spacetime from $GW150914$* , Phys.Rev. D **94** (2016) no.6, 064033.
19. R. Blumenhagen, M. Fuchs, *Towards a Theory of Nonassociative Gravity*, JHEP **1607** (2016) 019.
20. A. Borowiec, A. Pachol, *Twisted bialgebroids versus bialgebroids from a Drinfeld twist*, J. Phys. A **50** (2017) no.5, 055205.
21. S. Kobayashi, *Regular Black Holes and Noncommutative Geometry Inspired Fuzzy Sources*, Int. J. Mod. Phys. A **31** (2016) no.14n15, 1650080.
22. Florian Koch, *Construction of Quantum Symmetries for Realistic Field Theories on Noncommutative Spaces*, PhD Thesis 2006. 139 pp.
<https://edoc.ub.uni-muenchen.de/6291>
23. T. Juric, A. Samsarov, *Entanglement entropy renormalization for the noncommutative scalar field coupled to classical BTZ geometry*, Phys. Rev. D **93** (2016) no.10, 104033.
24. A. Borowiec, T. Juric, S. Meljanac, A. Pachol, *Central tetrads and quantum spacetimes*, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.08, 1640005.
25. J. Sadeghi, V. R. Shajiee, *Effective Potential in Noncommutative BTZ Black Hole*, Int. J. Theor. Phys. **55** (2016) no.2, 892-900.
26. M. Dobrski, *Background independent noncommutative gravity from Fedosov quantization of endomorphism bundle*, Class. Quant. Grav. **34** (2017) no.7, 075004.
27. F. A. Brito, E. E. M. Lima, *Exploring the thermodynamics of non-commutative scalar fields*, Int. J. Mod. Phys. A **31** (2016) no.11, 1650057.

28. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field Theory on Noncommutativity Superspace*, C07-07-30.5, p.122-130 Proceedings.
<http://inspirehep.net/record/1391434/files/P122.pdf>
29. T. Asakawa, H. Muraki, S. Watamura, *Gravity theory on Poisson manifold with R-flux*, Fortsch. Phys. **63** (2015) 683-704.
30. V.P. Nair, *Thermofield dynamics and Gravity*, Phys. Rev. D **92** (2015) no.10, 104009.
31. N. Ahmadinia, O. Corradini, D. D'Ascanio, S. Estrada-Jimenez, P. Pisani, *Noncommutative U(1) gauge theory from a worldline perspective*, JHEP **1511** (2015) 069.
32. A. Pachol, P. Vitale, *kappa-Minkowski star product in any dimension from symplectic realization*, J. Phys. A **48** (2015) no.44, 445202.
33. T. Juric, S. Meljanac, D. Pikutic, *Realizations of kappa-Minkowski space, Drinfeld twists and related symmetry algebras*, Eur. Phys. J. C **75** (2015) no.11, 528.
34. X. Calmet, C. Fritz, *Inflation on a non-commutative spacetime*, Phys. Lett. B **747** (2015) 406-409.
35. G. Zet, *Gauge Theories on a Noncommutative Poisson Manifold as Spacetime*, Ann. U. Craiova Phys. **21** S171-S185.
36. Mir Faizal, R.G.G. Amorim, S.C. Ulhoa, *Black Holes Thermodynamics in a new kind of Noncommutative Geometry*, Int. J. Mod. Phys. D **27** (2018) no.05, 1850053.
37. D. Momeni, R. Myrzakulov, M. Raza, *Holographic Entanglement Entropy for noncommutative Anti-de Sitter space*, Mod. Phys. Lett. A **31** (2016) no.12, 1650073.
38. C. A. Soto-Campos, S. Valdez-Alvarado, *Noncommutative Reissner-Nordström Black hole*, arXiv:1503.05469.
39. T. Juric, S. Meljanac, D. Pikutic, R. Strajn, *Toward the classification of differential calculi on -Minkowski space and related field theories*, JHEP **1507** (2015) 055.
40. J. F. Carinena, H. Figueroa, P. Guha, *Noncommutative Classical Dynamics on Velocity Phase Space and Souriau Formalism*, arXiv:1501.04917.
41. S. Kobayashi, *Emergence of Spacetimes and Noncommutativity*, Conference: C09-11-30.1 Proceedings.
<http://www2.rikkyo.ac.jp/web/jgrg19/Proceedings/pdf/O3.pdf>
42. S. Zaim, *Anisotropic universe space-time non-commutativity and scalar particle creation in the presence of a constant electric field*, Rom. J. Phys. **61** (2016) no.5-6, 743.
43. S. Gangopadhyay, A. Saha, S. Saha, *Interaction of a circularly polarised gravitational wave with a charged particle in a static magnetic background*, Gen. Rel. Grav. **47** (2015) no.6, 65.
44. Rodrigo Fresneda, *Alguns problemas de quantizao em teorias com fundos no-abelianos e em espaos-tempo no-comutativos (In Portuguese) Some problems of quantization in non-Abelian field theory and in non-commutative space-times*, PhD Thesis 2014. 71 pp.
<http://www.teses.usp.br/teses/disponiveis/43/43134/tde-26112008-111337/en.php>
45. A. Borowiec, A. Pachol, *Kappa-Deformations and Extended kappa-Minkowski Spacetimes*, SIGMA **10** (2014) 107.
46. R. Verma, *Twisted fermionic oscillator algebra in kappa-minkowski space-time*, Eur. Phys. J. Plus **130** (2015) no.4, 79.
47. A. Yazdani, *Field Equations and Radial Solutions in a Noncommutative Spherically Symmetric Geometry*, Adv. High Energy Phys. 2014 (2014) 349659.
48. R. Verma, *Dirac Equation in kappa-Minkowski space-time*, arXiv:1410.8680.
49. R. Bufalo, A. Tureanu, *Analogy between the Schwarzschild solution in a noncommutative gauge theory and the Reissner-Nordstrom metric*, Phys. Rev. D **92** (2015) no.6, 065017.
50. Alessandro Zucca, *Dirac Operators on Quantum Principal G-Bundles*, PhD Thesis 2013. 262 pp.
<http://inspirehep.net/record/1323348/files/PhDthesis.pdf>

51. Sanjib Dey, *Solvable Models on Noncommutative Spaces with Minimal Length Uncertainty Relations*, PhD Thesis 2014. 170 pp. arXiv:1410.3193.
<http://adsabs.harvard.edu/abs/arXiv:1410.3193>
52. M. Kober, *Canonical quantum gravity on noncommutative spacetime*, Int. J. Mod. Phys. A **30** (2015) no.17, 1550085.
53. Sarmistha Kumar, *Study of Planar Models in Quantum Mechanics, Field theory and Gravity*, PhD Thesis 2014. 84 pp., arXiv:1408.6665.
<http://adsabs.harvard.edu/abs/arXiv:1408.6665>
54. Ch. M. Scherbakov, *On The Relativistic Quantum Mechanics Of A Particle In Space With Minimal Length*, Ukr. J. Phys. **57** (2012) 940-945.
55. M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2,3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).
56. A. Saha, *Upper bound of the time-space non-commutative parameter from gravitational quantum well experiment*, J. Phys. Conf. Ser. **484** (2014) 012071.
57. D. Mylonas, P. Schupp, R. J. Szabo, *Nonassociative geometry and twist deformations in non-geometric string theory*, PoS ICMP2013 (2013) 007.
58. J. Liang, Yan-Chun Liu, Q. Zhu, *Thermodynamics of noncommutative geometry inspired black holes based on Maxwell-Boltzmann smeared mass distribution*, Chin. Phys. C **38** (2014) 025101.
59. T. Juric, D. Kovacevic, S. Meljanac, *Kappa-Deformed Phase Space, Hopf Algebroid and Twisting*, SIGMA **10** (2014) 106.
60. G. Oliveira-Neto, M. Silva de Oliveira, G.A. Monerat, E.V. Corra Silva, *Noncommutativity in the early Universe*, Int. J. Mod. Phys. D **26** (2016) no.02, 1750011.
61. K. S. Gupta, E. Harikumar, T. Juric, S. Meljanac, A. Samsarov, *Effects of Noncommutativity on the Black Hole Entropy*, Adv. High Energy Phys. 2014 (2014) 139172.
62. T. Juric, S. Meljanac, R. Strajn, *Universal kappa-Poincar covariant differential calculus over kappa-Minkowski space*, Int. J. Mod. Phys. A **29** (2014) 1450121.
63. D. Mylonas, P. Schupp, R. J. Szabo, *Non-Geometric Fluxes, Quasi-Hopf Twist Deformations and Nonassociative Quantum Mechanics*, J. Math. Phys. **55** (2014) 122301.
64. S.C. Ulhoa, R.G.G. Amorim, A.F. Santos, *On Non-commutative Geodesic Motion*, Gen. Rel. Grav. **46** (2014) 1760.
65. H. Seok Yang, *Quantization of Emergent Gravity*, Int. J. Mod. Phys. A **30** (2015) 1550016.
66. A. Borowiec, A. Pachol, *Unified description for kappa-deformations of orthogonal groups*, Eur. Phys. J. C **74** (2014) no.3, 2812.
67. A. Deser, *Lie algebroids, non-associative structures and non-geometric fluxes*, Fortsch. Phys. **61** (2013) 1056-1153.
68. S. Zaim, *The quantum and Klein-Gordon oscillators in a non-commutative complex space and the thermodynamic functions*, Int. J. Theor. Phys. **53** (2014) 2014-2023.
69. Rahul Srivastava, *Spin-Statistics Correlations in Various Noncommutative Field Theories*, PhD Thesis 2013. 145 pp. arXiv:1309.0221.
<http://adsabs.harvard.edu/abs/arXiv:1309.0221>
70. A. Borowiec, A. Pachol, *Heisenberg doubles of quantized Poincar algebras*, Theor. Math. Phys. **169** (2011) no.2, 1620-1628.
71. Pramod Padmanabhan, *Physics on noncommutative spacetimes*, PhD Thesis 2012. 132 pp.
<https://search.proquest.com/docview/1021040012>
72. H. Ghaffarnejad, H. Neyad, M.A. Mojahedi, *Evaporating Quantum Lukewarm Black Holes Final State From Back-Reaction Corrections of Quantum Scalar Fields*, Astrophys. Space Sci. **346** (2013) 497-506.
73. T. Juric, S. Meljanac, R. Strajn, *Twists, realizations and Hopf algebroid structure of kappa-deformed phase space*, Int. J. Mod. Phys. A **29** (2014), 1450022.

74. K. Hasebe, K. Totsuka, *Topological Many-Body States in Quantum Antiferromagnets via Fuzzy Super-Geometry*, Symmetry 5 (2013) 119-214.
75. T. Juric, S. Meljanac, R. Strajn, *kappa-Poincar-Hopf algebra and Hopf algebroid structure of phase space from twist*, Phys. Lett. A **377** (2013) 2472-2476.
76. L. Castellani, *OSp(1|4) supergravity and its noncommutative extension*, Phys. Rev. D **88** (2013) no.2, 025022.
77. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, Mod. Phys. Lett. A **28** (2013) 1350063.
78. Sunggeun Lee, Raju Roychowdhury, Hyun Seok Yang, *Test of Emergent Gravity*, arXiv:1211.0207 [hep-th].
79. Paolo Aschieri, *Twisting all the way: from algebras to morphisms and connections*, Int. J. Mod. Phys. Conf. Ser. 13 (2012) 1-19.
80. Alexander Schenkel, *Twist deformations of module homomorphisms and connections*, PoS CORFU2011 (2011) 056.
81. A. Schenkel, *Noncommutative Gravity and Quantum Field Theory on Noncommutative Curved Spacetimes*, arXiv:1210.1115 [math-ph].
82. P. Aschieri, A. Schenkel, *Noncommutative connections on bimodules and Drinfeld twist deformation*, arXiv:1210.0241 [math.QA].
83. M. Dimitrijević, V. Radovanović and H. Štefančić, *AdS-inspired noncommutative gravity on the Moyal plane*, Phys. Rev. D **86**, 105041 (2012).
84. P. Aschieri, L. Castellani, *Noncommutative gauge fields coupled to noncommutative gravity*, arXiv:1205.1911 [hep-th].
85. G. Fiore, *Learning from Julius' star*, Int. J. Mod. Phys. Conf. Ser. 13 (2012) 86-97.
86. Daniel Blaschke, *Towards consistent non-commutative gauge theories*, PhD thesis at Vienna Technical University.
87. T. R. Govindarajan, S. Digal, K. S. Gupta, X. Martin, *Phase structures in fuzzy geometries*, PoS CORFU2011 (2011) 058.
88. S. Gangopadhyay, A. Saha, *Quantum mechanics of a charged particle in a background magnetic field interacting with linearized gravitational waves*, Mod. Phys. Lett. A27 (2012) 1250192.
89. S.S. Moskaliuk, N.M. Moskaliuk, *Noncommutative Einstein spaces and TQFT*, J. Phys. Conf. Ser. 343 (2012) 012080.
90. C. Gónora, M. Wodzislawski, *$N = 1/2$ Global SUSY: R-Matrix Approach*, Nucl. Phys. B863 (2012) 525-541.
91. E. Harikumar, T. Juric, S. Meljanac, *Geodesic equation in k -Minkowski spacetime*, Phys. Rev. D86 (2012) 045002.
92. S. Alexander, A. Marciano, L. Modesto, *The Hidden Quantum Groups Symmetry of Super-renormalizable Gravity*, Phys. Rev. D85 (2012) 124030.
93. Anna Pachol, *Kappa-Minkowski spacetime: Mathematical formalism and applications in Planck scale physics*, arXiv:1112.5366 [math-ph].
94. J. N. Kriel, F. G. Scholtz, *The entropy of dense non-commutative fermion gases*, J. Phys. A45 (2012) 095301.
95. Martin Kober, *Conformal Gravity on Noncommutative Spacetime*, arXiv:1112.1329 [hep-th].
96. C. Gónora, M. Wodzislawski, *Global Space-Time Symmetries of Quantized Euclidean and Minkowski Superspaces*, JHEP 1204 (2012) 088.
97. S. Perez-Payan, M. Sabido, E. Mena, *On Deformed Phase Space and*, arXiv:1111.6137 [hep-th].
98. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Scalar field propagation in the ϕ^4 kappa-Minkowski model*, JHEP 1112 (2011) 010.
99. P. Aschieri, L. Castellani, *Noncommutative gravity coupled to fermions: second order expansion via Seiberg-Witten map*, JHEP 1207 (2012) 184.

100. M. Maceda, A. Macias, *Birefringence and noncommutative structure of space-time*, Phys. Lett. B705 (2011) 157-160.
101. Hyun Seok Yang, *Towards A Background Independent Quantum Gravity*, J. Phys. Conf. Ser. 343 (2012) 012132.
102. M. Maceda, A. Macias, *Noncommutative Killing vectors*, Phys. Rev. D84 (2011) 064002.
103. S. Digoal, T.R. Govindarajan, K. S. Gupta, X. Martin, *Phase structure of fuzzy black holes*, JHEP 1201 (2012) 027.
104. K. S. Gupta, S. Meljanac, A. Samsarov, *Quantum statistics and noncommutative black holes*, Phys. Rev. D85 (2012) 045029.
105. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Noncommutative kappa-Minkowski ϕ^4 theory: Construction, properties and propagation*, arXiv:1107.2369 [hep-th].
106. Martin Kober, *Canonical Noncommutativity Algebra for the Tetrad Field in General Relativity*, Class. Quant. Grav. 28 (2011) 225021.
107. Kazuki Hasebe, *Graded Hopf Maps and Fuzzy Superspheres*, Nucl. Phys. B853 (2011) 777-827.
108. L. Castellani, *Noncommutative supergravity*, PoS CNCFG2010 (2010) 013.
109. J. Lukierski, M. Woronowicz, *Braided Tensor Products and the Covariance of Quantum Noncommutative Free Fields*, J. Phys. A45 (2012) 215402.
110. A.P. Balachandran, P. Padmanabhan, A. R. de Queiroz, *Lehmann-Symanzik-Zimmermann S-Matrix elements on the Moyal Plane*, Phys. Rev. D84 (2011) 065020.
111. Alexander Schenkel, *Quantum Field Theory on Curved Noncommutative Spacetimes*, PoS CNCFG2010 (2010) 029.
112. Earnest Akofor, *Quantum Theory, Noncommutativity and Heuristics*, arXiv:1012.5133 [hep-th].
113. Jerzy Lukierski, *From Quantum Deformations of Relativistic Symmetries to Modified Kinematics and Dynamics*, Acta Phys. Polon. B41 (2010) 2937-2965.
114. Yan-Gang Miao, Zhao Xue, Shao-Jun Zhang, *Tunneling of massive particles from noncommutative inspired Schwarzschild black hole*, Gen. Rel. Grav. 44 (2012) 555-566.
115. H. Aissaoui, N. Mebarki, H. Bouhalouf, *FRW like Cosmological Model and Accelerated Expansion of the Universe from Non Commutative Seiberg-Witten Geometry*, AIP Conf.Proc. 1295 (2010) 164-175.
116. S. Gangopadhyay, A. Saha, F.G. Scholtz, *Voros product and the Pauli principle at low energies*, J. Phys. A44 (2011) 175401.
117. Michal Dobrski, *On some models of geometric noncommutative general relativity*, Phys. Rev. D84 (2011) 065005.
118. R. Blumenhagen, E. Plauschinn, *Nonassociative Gravity in String Theory?*, J. Phys. A44 (2011) 015401.
119. D. Lust, *T-duality and closed string non-commutative (doubled) geometry*, JHEP 1012 (2010) 084.
120. A.P. Balachandran, A. Ibort, G. Marmo, M. Martone, *Covariant Quantum Fields on Noncommutative Spacetimes*, JHEP 1103 (2011) 057.
121. Alexander Schenkel, *QFT on homothetic Killing twist deformed curved spacetimes*, Gen. Rel. Grav. 43 (2011) 2605-2630.
122. F. Ardalan, N. Sadooghi, *Translational-invariant noncommutative gauge theory*, Phys. Rev. D83 (2011) 025014.
123. T. Asakawa, S. Watamura, *Twist Quantization of String and Hopf Algebraic Symmetry*, SIGMA 6 (2010) 068.
124. Jochen Zahn, *Noncommutative (supersymmetric) electrodynamics in the Yang-Feldman formalism*, Phys. Rev. D82 (2010) 105033.
125. Mansour Haghghat, *Charge Enhancement of Noncommutative Gravity*, arXiv:1008.1598 [gr-qc].

126. R. Banerjee, S. Gangopadhyay, *Komar energy and Smarr formula for noncommutative Schwarzschild black hole*, Gen. Rel. Grav. 43 (2011) 3201.
127. S. Kumar, S. Samanta, *Study on the noncommutative representations of Galilean generators*, Int. J. Mod. Phys. A25 (2010) 3221-3233.
128. Yan-Gang Miao, Zhao Xue, Shao-Jun Zhang, *$U(2, 2)$ gravity on noncommutative space with symplectic structure*, Phys. Rev. D83 (2011) 024023.
129. C. Dappiaggi, G. Lechner, E. Morfa-Morales, *Deformations of quantum field theories on spacetimes with Killing vector fields*, Commun. Math. Phys. 305 (2011) 99-130.
130. Saurav Samanta, *Theories on noncommutative spaces and deformed symmetries*, arXiv:1006.1039 [hep-th].
131. A.P. Balachandran, P. Padmanabhan, *Non-Pauli Effects from Noncommutative Spacetimes*, JHEP 1012 (2010) 001.
132. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA 6 (2010) 086.
133. N. Acharyya, S. Vaidya, *Uniformly Accelerated Observer in Moyal Spacetime*, JHEP 1009 (2010) 045.
134. Robert Carroll, *On the emergence theme of physics*, World Scientific Publishing Co. Ltd.
135. S. Meljanac, S. Kresic-Juric, *Differential structure on kappa-Minkowski space, and kappa-Poincare algebra*, Int. J. Mod. Phys. A26 (2011) 3385-3402.
136. Salvatore Galluccio, *Non-commutative Field Theory, Translational Invariant Products and Ultraviolet/Infrared Mixing*, arXiv:1004.4655 [hep-th].
137. Yan-Gang Miao, Shao-Jun Zhang, *$SL(2, C)$ gravity on noncommutative space with Poisson structure*, Phys. Rev. D82 (2010) 084017.
138. E.M.C. Abreu, A.C.R. Mendes, W. Oliveira, *The Noncommutative Doplicher-Fredenhagen-Roberts-Amorim space*, SIGMA 6 (2010) 083.
139. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A25 (2010) 2991-3002.
140. Jerzy Lukierski, *From Quantum Deformations of Relativistic Symmetries to Modified Kinematics and Dynamics*, Int. J. Mod. Phys. D20 (2011) 1961-1967.
141. A. Schenkel, C. F. Uhlemann, *Field Theory on Curved Noncommutative Spacetimes*, SIGMA 6 (2010) 061.
142. G. Zet, *Gauge theories on noncommutative space-time*, Ann. U. Craiova Phys. 18 (2008) 106-119.
143. Yasuhiro Abe, *Construction of Fuzzy Spaces and Their Applications to Matrix Models*, arXiv:1002.4937 [hep-th].
144. A. Schenkel, C. F. Uhlemann, *High energy improved scalar quantum field theory from noncommutative geometry without UV/IR-mixing*, Phys. Lett. B694 (2010) 258-260.
145. E. Harikumar, *Maxwell's equations on the κ -Minkowski spacetime and Electric-Magnetic duality*, Europhys. Lett. 90 (2010) 21001.
146. T. Ohl, A. Schenkel, C. F. Uhlemann, *Spacetime Noncommutativity in Models with Warped Extradimensions*, JHEP 1007 (2010) 029.
147. I. Cortese, J. A. Garcia, *Emergent Noncommutative gravity from a consistent deformation of gauge theory*, Phys. Rev. D81 (2010) 105016.
148. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *(Non)Renormalizability of the D-Deformed Wess-Zumino Model*, Phys. Rev. D81 (2010) 105020.
149. D.V. Vassilevich, *Tensor calculus on noncommutative spaces*, Class. Quant. Grav. 27 (2010) 095020.
150. M. Chaichian, M. Oksanen, A. Tureanu, G. Zet, *Noncommutative gauge theory using covariant star product defined between Lie valued differential forms*, Phys. Rev. D81 (2010) 085026.
151. A. Stern, *Emergent Abelian Gauge Fields from Noncommutative Gravity*, SIGMA 6 (2010) 019.

152. T. Ohl, A. Schenkel, *Algebraic approach to quantum field theory on a class of noncommutative curved spacetimes*, Gen. Rel. Grav. 42 (2010) 2785-2798.
153. O. Obregon, M. Sabido, E. Mena, *On noncommutative minisuperspace, cosmology and Lambda*, Mod. Phys. Lett. A24 (2009) 1907-1914.
154. A. Joseph, M. Trodden, *Vortex Scattering and Intercommuting Cosmic Strings on a Noncommutative Spacetime*, Phys. Rev. D81 (2010) 043536.
155. T. Asakawa, S. Kobayashi, *Noncommutative Solitons of Gravity*, Class. Quant. Grav. 27 (2010) 105014.
156. R. Banerjee, S. Gangopadhyay, S. K. Modak, *Voros product, Noncommutative Schwarzschild Black Hole and Corrected Area Law*, Phys. Lett. B686 (2010) 181-187.
157. Wen Sun, Ding Wang, Naqing Xie, R.B. Zhang, Xiao Zhang, *Gravitational collapse of spherically symmetric stars in noncommutative general relativity*, Eur. Phys. J. C69 (2010) 271-279.
158. G. Zet, *U(2) gauge theory on noncommutative geometry*, Int. J. Mod. Phys. A24 (2009) 2889-2897.
159. Anirban Saha, *Aspects of Symmetries in Field and String Theories*, arXiv:0909.4057 [hep-th].
160. Sami Saxell, *Quantum Space-Time and Noncommutative Gauge Field Theories*, arXiv:0909.1669 [hep-th].
161. R. Banerjee, B. Chakraborty, S. Ghosh, P. Mukherjee, S. Samanta, *Topics in Noncommutative Geometry Inspired Physics*, Found. Phys. 39 (2009) 1297-1345.
162. A.P. Balachandran, *The Groenewold-Moyal Plane and its Quantum Physics*, arXiv:0908.3888 [hep-th].
163. Alexander Schenkel, *Symmetry Reduction and Exact Solutions in Twisted Noncommutative Gravity*, arXiv:0908.0434 [hep-th].
164. M. Buric, J. Madore, *Noncommutative spherical symmetry via the monopole*, Int. J. Mod. Phys. A24 (2009) 2783-2791.
165. Sergiu I. Vacaru, *Finsler Black Holes Induced by Noncommutative Anholonomic Distributions in Einstein Gravity*, Class. Quant. Grav. 27 (2010) 105003.
166. S. Galluccio, F. Lizzi, P. Vitale, *Translation Invariance, Commutation Relations and Ultraviolet/Infrared Mixing*, JHEP 0909 (2009) 054.
167. J. Gomis, K. Kamimura, J. Lukierski, *Deformations of Maxwell algebra and their Dynamical Realizations*, JHEP 0908 (2009) 039.
168. P. Aschieri, L. Castellani, *Noncommutative Gravity Solutions*, J. Geom. Phys. 60 (2010) 375-393.
169. T. Ohl, A. Schenkel, *Cosmological and Black Hole Spacetimes in Twisted Noncommutative Gravity*, JHEP 0910 (2009) 052.
170. P. Schupp, S. Solodukhin, *Exact Black Hole Solutions in Noncommutative Gravity*, arXiv:0906.2724 [hep-th].
171. G. Fucci, *Non-Perturbative Aspects of Quantum Electrodynamics on Curved Space and Investigations in Matrix Gravity*, arXiv:0906.2385 [hep-th].
172. E. Di Grezia, G. Esposito, *Non-commutative Kerr black hole*, Int. J. Geom. Meth. Mod. Phys. 8 (2011) 657-668.
173. Archil Kobakhidze, *Diffeomorphism-invariant noncommutative gravity with twisted local Lorentz invariance*, Electron. J. Theor. Phys. 7N24 (2010) 163-170.
174. A.P. Balachandran, A. Joseph, P. Padmanabhan, *Causality and statistics on the Groenewold-Moyal plane*, Found. Phys. 40 (2010) 692-702.
175. M. Chaichian, A. Tureanu, G. Zet, *Gauge field theories with covariant star-product*, JHEP 0907 (2009) 084.
176. D.V. Vassilevich, *Diffeomorphism covariant star products and noncommutative gravity*, Class. Quant. Grav. 26 (2009) 145010.
177. A. Borowiec, A. Pachol, *Classical basis for kappa-Poincare algebra and doubly special relativity theories*, J. Phys. A43 (2010) 045203.

178. P. Aschieri, *Star Product Geometries*, arXiv:0903.2457 [math.QA].
179. T.R. Govindarajan, K. S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Deformed Oscillator Algebras and QFT in kappa-Minkowski Spacetime*, Phys. Rev. D80 (2009) 025014.
180. Theodoros Grammatikopoulos, *Dimensional Reduction of Supersymmetric Gauge Theories*, arXiv:0903.1399 [hep-th].
181. Ding Wang, R.B. Zhang, Xiao Zhang, *Exact solutions of noncommutative vacuum Einstein field equations and plane-fronted gravitational waves*, Eur. Phys. J. C64 (2009) 439-444.
182. A. Stern, *Particle Classification and Dynamics in $GL(2, C)$ Gravity*, Phys. Rev. D79 (2009) 105017.
183. A.P. Balachandran, B.A. Qureshi, *Poincare Quasi-Hopf Symmetry and Non-Associative Spacetime Algebra from Twisted Gauge Theories*, Phys. Rev. D81 (2010) 065006.
184. P. Aschieri, L. Castellani, *Noncommutative supergravity in $D = 3$ and $D = 4$* , JHEP 0906 (2009) 087.
185. P. Aschieri, L. Castellani, *Noncommutative $D = 4$ gravity coupled to fermions*, JHEP 0906 (2009) 086.
186. A.P. Balachandran, M. Martone, *Space-time from Symmetry: The Moyal Plane from the Poincare-Hopf Algebra*, Mod. Phys. Lett. A24 (2009) 1811-1821.
187. Y. Ezawa, H. Iwasaki, Y. Ohkuwa, S. Watanabe, N. Yamada, T. Yano, *On the equivalence theorem in $f(R)$ -type generalized gravity*, Nuovo Cim. B125 (2010) 1039-1051.
188. K. Nozari, S.H. Mehdipour, *Parikh-Wilczek Tunneling from Noncommutative Higher Dimensional Black Holes*, JHEP 0903 (2009) 061.
189. M. Dimitrijevic, V. Radovanovic, *D -deformed Wess-Zumino model and its renormalizability properties*, JHEP 0904 (2009) 108.
190. Dmitri V. Vassilevich, *Towards noncommutative gravity*, arXiv:0902.0767 [hep-th].
191. G. Piacitelli, *Twisted Covariance as a Non Invariant Restriction of the Fully Covariant DFR Model*, Commun. Math. Phys. 295 (2010) 701-729.
192. A.P. Balachandran, T.R. Govindarajan, S. Vaidya, *Spontaneous Symmetry Breaking in Twisted Noncommutative Quantum Theories*, Phys. Rev. D79 (2009) 105020.
193. Hyun Seok Yang, *Noncommutative spacetime and emergent gravity*, Bulg. J. Phys. 35 (2008) 323-328.
194. S. Adhikari, B. Chakraborty, A.S. Majumdar, S. Vaidya, *Quantum entanglement in a non-commutative system*, Phys. Rev. A79 (2009) 042109.
195. M. Sabido, O. Obregon, E. Mena, *Noncommutativity and Lambda*, AIP Conf. Proc. 1083 (2008) 201-207.
196. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field theory on nonanticommutative superspace*, Fortsch. Phys. 56 (2008) 418-423.
197. Kuldeep Kumar, *Aspects of noncommutativity in field theory, strings and membranes*, arXiv:0812.5045 [hep-th].
198. W. Guzman, M. Sabido, J. Socorro, *Towards noncommutative supersymmetric quantum cosmology*, AIP Conf. Proc. 1318 (2010) 209-215.
199. S. Meljanac, S. Kresic-Juric, *Noncommutative Differential Forms on the kappa-deformed Space*, J. Phys. A42 (2009) 365204.
200. Harold Steinacker, *Covariant Field Equations, Gauge Fields and Conservation Laws from Yang-Mills Matrix Models*, JHEP 0902 (2009) 044.
201. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D79 (2009) 045012.
202. Carlos Castro, *Strings and Membranes from Einstein Gravity, Matrix Models and $W(\infty)$ Gauge Theories as Paths to Quantum Gravity*, Int. J. Mod. Phys. A23 (2008) 3901-3945.
203. T. Asakawa, M. Mori, S. Watamura, *Twist Quantization of String and B Field Background*, JHEP 0904 (2009) 117.

204. G. Fiore, *On second quantization on noncommutative spaces with twisted symmetries*, J. Phys. A43 (2010) 155401.
205. F. Lizzi, *The Structure of Spacetime and Noncommutative Geometry*, arXiv:0811.0268 [hep-th].
206. T. Ohl, A. Schenkel, *Symmetry Reduction in Twisted Noncommutative Gravity with Applications to Cosmology and Black Holes*, JHEP 0901 (2009) 084.
207. F. G. Scholtz, J. Govaerts, *Thermodynamics of a non-commutative fermion gas*, J. Phys. A41 (2008) 505003.
208. S. Galluccio, F. Lizzi, P. Vitale, *Twisted Noncommutative Field Theory with the Wick-Voros and Moyal Products*, Phys. Rev. D78 (2008) 085007.
209. G. Fiore, *On the consequences of twisted Poincare' symmetry upon QFT on Moyal noncommutative spaces*, Quantum Field Theory and Beyond, Tegernsee 2008, World Scientific 2008, p.64-84.
210. Ding Wang, R.B. Zhang, Xiao Zhang, *Quantum deformations of Schwarzschild and Schwarzschild-de Sitter spacetimes*, Class. Quant. Grav. 26 (2009) 085014.
211. Ee Chang-Young, Daeho Lee, Youngone Lee, *Noncommutative BTZ Black Hole in Polar Coordinates*, Class. Quant. Grav. 26 (2009) 185001.
212. S. Marculescu, F. Ruiz Ruiz, *Seiberg-Witten maps for $SO(1,3)$ gauge invariance and deformations of gravity*, Phys. Rev. D79 (2009) 025004.
213. S. Fabi, B. Harms, A. Stern, *Noncommutative Corrections to the Robertson-Walker metric*, Phys. Rev. D78 (2008) 065037.
214. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Twisted Covariant Noncommutative Self-dual Gravity*, Phys. Rev. D78 (2008) 124008.
215. M. Rosenbaum, J.D. Vergara, L.R. Juarez, *Space-Time Diffeomorphisms in Noncommutative Gauge Theories*, SIGMA 4 (2010) 055.
216. Piero Nicolini, *Noncommutative Black Holes, The Final Appeal To Quantum Gravity: A Review*, Int. J. Mod. Phys. A24 (2009) 1229-1308.
217. M. Buric, J. Madore, *Spherically Symmetric Noncommutative Space: $d = 4$* , Eur. Phys. J. C58 (2008) 347-353.
218. M. Chaichian, M. Oksanen, A. Tureanu, G. Zet, *Gauging the twisted Poincare symmetry as noncommutative theory of gravitation*, Phys. Rev. D79 (2009) 044016.
219. Sergiu I. Vacaru, *Spectral Functionals, Nonholonomic Dirac Operators, and Noncommutative Ricci Flows*, J. Math. Phys. 50 (2009) 073503.
220. Sunandan Gangopadhyay, *Some Studies in Noncommutative Quantum Field Theories*, arXiv:0806.2013 [hep-th].
221. A.P. Balachandran, B.A. Qureshi, *Twisted statistics of quantum fields on the Moyal plane*, J. Phys. Conf. Ser. 103 (2008) 012013.
222. M. Chaichian, K. Nishijima, T. Salminen, A. Tureanu, *Noncommutative Quantum Field Theory: A Confrontation of Symmetries*, JHEP 0806 (2008) 078.
223. T. Asakawa, M. Mori, S. Watamura, *Hopf Algebra Symmetry and String*, Prog. Theor. Phys. 120 (2008) 659-689.
224. A.P. Balachandran, A. Pinzul, A.R. Queiroz, *Twisted Poincare Invariance, Noncommutative Gauge Theories and UV-IR Mixing*, Phys. Lett. B668 (2008) 241-245.
225. A. Stern, *Particle-like solutions to classical noncommutative gauge theory*, Phys. Rev. D78 (2008) 065006.
226. S. Meljanac, S. Kresic-Juric, *Generalized kappa-deformed spaces, star-products, and their realizations*, J. Phys. A41 (2008) 235203.
227. E. Akofof, A.P. Balachandran, A. Joseph, *Quantum Fields on the Groenewold-Moyal Plane*, Int. J. Mod. Phys. A23 (2008) 1637-1677.
228. P. Aschieri, L. Castellani, M. Dimitrijevic, *Dynamical noncommutativity and Noether theorem in twisted ϕ^4 theory*, Lett. Math. Phys. 85 (2008) 39-53.

229. A. Borowiec, J. Lukierski, V.N. Tolstoy, *New twisted quantum deformations of $D=4$ super-Poincare algebra*, arXiv:0803.4167 [hep-th].
230. Anirban Saha, *Galilean symmetry in noncommutative Gravitational Quantum Well*, Phys. Rev. D81 (2010) 125002.
231. E. Mena, O. Obregon, M. Sabido, *Is noncommutativity related with the smallness of Lambda?* arXiv:0802.3393 [hep-th].
232. P. Bertozzini, R. Conti, W. Lewkeeratiyutkul, *Non-Commutative Geometry, Categories and Quantum Physics*, East West J. Math. 2007 (2007) S213-S259.
233. K. Nozari, S.H. Mehdipour, *Hawking Radiation as Quantum Tunneling from Noncommutative Schwarzschild Black Hole*, Class. Quant. Grav. 25 (2008) 175015.
234. L. Barosi, F. A. Brito, A. R. Queiroz, *Noncommutative field gas driven inflation*, JCAP 0804 (2008) 005.
235. Mohab Abou Zeid, *Symmetries, conservation laws and gauge invariant operators in non-commutative gauge theory*, Prog. Theor. Phys. Suppl. 171 (2007) 79-86.
236. G. Fiore, *Can QFT on Moyal-Weyl spaces look as on commutative ones?*, Prog. Theor. Phys. Suppl. 171 (2007) 54-60.
237. A.P. Balachandran, B. A. Qureshi, *Quantum fields on the Moyal plane*, Prog. Theor. Phys. Suppl. 171 (2007) 23-33.
238. P. Aschieri, *Symmetries, covariant derivatives and gravity on noncommutative spacetime*, Prog. Theor. Phys. Suppl. 171 (2007) 11-22.
239. J. Wess, *Deformed gravity*, Prog. Theor. Phys. Suppl. 171 (2007) 1-10.
240. M. Buric, J. Madore, G. Zoupanos, *WKB Approximation in Noncommutative Gravity*, SIGMA 3 (2007) 125.
241. D. Sudarsky, *Unspeakables and the Epistemological path towards Quantum Gravity*, Int. J. Mod. Phys. D17 (2008) 425-443.
242. Archil Kobakhidze, *Noncommutative corrections to classical black holes*, Phys. Rev. D79 (2009) 047701.
243. D.V. Vassilevich, *Symmetries in noncommutative field theories: Hopf versus Lie*, Sao Paulo J. Math. Sci. 4 (2010) 121-133.
244. Y. Sasai, N. Sasakura, *Domain wall solitons and Hopf algebraic translational symmetries in noncommutative field theories*, Phys. Rev. D77 (2008) 045033.
245. B. S. DeWitt, G. Esposito, *An Introduction to quantum gravity*, Int. J. Geom. Meth. Mod. Phys. 5 (2008) 101-156.
246. C.A.S. Young, R. Zegers, *Covariant particle statistics and intertwiners of the kappa-deformed Poincare algebra*, Nucl. Phys. B797 (2008) 537-549.
247. M. Riccardi, R. J. Szabo, *Duality and Braiding in Twisted Quantum Field Theory*, JHEP 0801 (2008) 016.
248. E. Akofor, A.P. Balachandran, S.G. Jo, A. Joseph, B.A. Qureshi, *Direction-Dependent CMB Power Spectrum and Statistical Anisotropy from Noncommutative Geometry*, JHEP 0805 (2008) 092.
249. P. Mukherjee, A. Saha, *Deformed Reissner-Nordstrom solutions in noncommutative gravity*, Phys. Rev. D77 (2008) 064014.
250. W. Guzman, M. Sabido, J. Socorro, *Noncommutativity and scalar field cosmology*, Phys. Rev. D76 (2007) 087302.
251. Folkert Muller-Hoissen, *Noncommutative Geometries and Gravity*, AIP Conf.Proc. 977 (2008) 12-29.
252. M. Chaichian, A. Tureanu, G. Zet, *Corrections to Schwarzschild solution in noncommutative gauge theory of gravity*, Phys. Lett. B660 (2008) 573-578.
253. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field Theory on Nonanticommutative Superspace*, JHEP 0712 (2007) 059.

254. A. Zejak, B. Dragovich, *Noncommutative Minisuperspace Cosmology*, arXiv:0708.3950 [hep-th].
255. P. Aschieri, F. Lizzi, P. Vitale, *Twisting all the way: From Classical Mechanics to Quantum Fields*, Phys. Rev. D77 (2008) 025037.
256. H. Steinacker, *Emergent Gravity from Noncommutative Gauge Theory*, JHEP 0712 (2007) 049.
257. A.P. Balachandran, A. Pinzul, B.A. Qureshi, *Twisted Poincare Invariant Quantum Field Theories*, Phys. Rev. D77 (2008) 025021.
258. A.P. Balachandran, A. Pinzul, B.A. Qureshi, S. Vaidya, *Twisted Gauge and Gravity Theories on the Groenewold-Moyal Plane*, Phys. Rev. D76 (2007) 105025.
259. T. Hatanaka, S. V. Ketov, *$N = 1/2$ supergravity with matter in four Euclidean dimensions*, Nucl. Phys. B794 (2008) 495-511.
260. A.P. Balachandran, K. S. Gupta, S. Kurkcuglu, *Interacting quantum topologies and the quantum Hall effect*, Int. J. Mod. Phys. A23 (2008) 1327-1336.
261. K. Nozari, S.H. Mehdipour, *Noncommutative Inspired Reissner-Nordstrom Black Holes in Large Extra Dimensions*, Commun. Theor. Phys. 53 (2010) 503-513.
262. E. Akofer, A.P. Balachandran, S.G. Jo, A. Joseph, *Quantum fields on the Groenewold-Moyal plane: C , P , T and CPT* , JHEP 0708 (2007) 045.
263. A. Tureanu, *Twisted Poincare Symmetry and Some Implications on Noncommutative Quantum Field Theory*, Prog. Theor. Phys. Suppl. 171 (2007) 34-41.
264. Hyeon-Chan Kim, Chaiho Rim, Jae Hyung Yee, *Blackbody radiation in kappa-Minkowski spacetime*, Phys. Rev. D76 (2007) 105012.
265. S. Meljanac, A. Samsarov, M. Stojic, K.S. Gupta, *Kappa-Minkowski space-time and the star product realizations*, Eur. Phys. J. C53 (2008) 295-309.
266. T. Heinzl, A. Ilderton, *Noncommutativity from spectral flow*, J. Phys. A40 (2007) 9097-9125.
267. Youngone Lee, *On Charge Conservation and The Equivalence Principle in the Noncommutative Spacetime*, Phys. Rev. D76 (2007) 025022.
268. Hyun Seok Yang, *Noncommutative Electromagnetism As A Large N Gauge Theory*, Eur. Phys. J. C64 (2009) 445-457.
269. A.P. Balachandran, S.G. Jo, *$Z^0 \rightarrow 2\gamma$ and the twisted coproduct of the Poincare group*, Int. J. Mod. Phys. A22 (2007) 6133-6146.
270. Y. Sasai, N. Sasakura, *Braided quantum field theories and their symmetries*, Prog. Theor. Phys. 118 (2007) 785-814.
271. R. Banerjee, P. Mukherjee, S. Samanta, *Lie algebraic noncommutative gravity*, Phys. Rev. D75 (2007) 125020.
272. P. Aschieri, *Noncommutative Gravity and the $*$ -Lie algebra of diffeomorphisms*, Fortsch. Phys. 55 (2007) 649-654.
273. S. Kresic-Juric, S. Meljanac, M. Stojic, *Covariant realizations of kappa-deformed space*, Eur. Phys. J. C51 (2007) 229-240.
274. M. Riccardi, R. J. Szabo, *Wilson Loops and Area-Preserving Diffeomorphisms in Twisted Noncommutative Gauge Theory*, hep-th/0701273.
275. R. J. Szabo *Symmetries and Renormalization of Noncommutative Field Theory*, based on plenary lecture delivered at the VI Latin American Symposium on High Energy Physics, November 1-8, 2006, Puerto Vallarta, Mexico; to be published in the proceedings by American Institute of Physics, hep-th/0701224.
276. G. Fiore, J. Wess, *On "full" twisted Poincare' symmetry and QFT on Moyal-Weyl spaces*, hep-th/0701078.
277. H. Kim, J. H. Yee, C. Rim, *κ -Minkowski spacetime and a uniformly accelerating observer*, hep-th/0701054.
278. M. Chaichian, A. Tureanu, R. B. Zhang, X. Zhang, *Riemannian Geometry of Noncommutative Surfaces*, hep-th/0612128.

279. B. P. Dolan, Kumar, S. Gupta, A. Stern, *Noncommutative BTZ Black Hole and Discrete Time*, hep-th/0611233.
280. J. Bu, H. Kim, Y. Lee, C. H. Vac, J. H. Yee, *kappa-deformed Spacetime From Twist*, hep-th/0611175.
281. H. S. Yang, *Emergent Gravity from Noncommutative Spacetime*, hep-th/0611174.
282. M. Rosenbaum, J. D. Vergara, L. R. Juarez, *Canonical Quantization, Space-Time Noncommutativity and Deformed Symmetries in Field Theory*, hep-th/0611160.
283. J. Wess, *Einstein-Riemann Gravity on Deformed Spaces*, contribution to the Proc. of the O’Raifeartaigh Symposium on Non-Perturbative and Symmetry Methods in Field Theory (June 2006, Budapest, Hungary), hep-th/0611025.
284. G. Vitiello, *Links. Relating different physical systems through the common QFT algebraic structure*, hep-th/0610094.
285. Anirban Saha, *Time-Space Noncommutativity in Gravitational Quantum Well scenario*, hep-th/0609195.
286. A. P. Balachandran, T. R. Govindarajan, G. Mangano, A. Pinzul, B. A. Qureshi, S. Vaidya, *Statistics and UV-IR Mixing with Twisted Poincare Invariance*, hep-th/0608179.
287. P. Aschieri, *Noncommutative Symmetries and Gravity*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005.
288. A. P. Balachandran, B. A. Qureshi, A. Pinzul, S. Vaidya, *Poincare Invariant Gauge and Gravity Theories on the Groenewold-Moyal Plane*, hep-th/0608138.
289. J. Wess, *Deformed Gauge Theories*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005, hep-th/0608135.
290. A. Strelchenko, *Heat kernel of non-minimal gauge field kinetic operators on Moyal plane*, hep-th/0608134.
291. F. Koch, *Twist-Deformed Lorentzian Heisenberg-Algebras*, hep-th/0608064.
292. J. Wess, *Differential calculus and gauge transformations on a deformed space*, to appear in General Relativity and Gravitation Journal, Obregon’s Festschrift 2006, hep-th/0607251.
293. S. Marculescu, F. Ruiz Ruiz, *Noncommutative Einstein-Maxwell pp-waves*, Phys. Rev. **D74**, 105004 (2006), [hep-th/0607201].
294. M. Chaichian, A. Tureanu, G. Zet, *Twist as a Symmetry Principle and the Noncommutative Gauge Theory Formulation*, hep-th/0607179.
295. E. Di Grezia, G. Esposito, G. Miele, *Gravitational amplitudes in black-hole evaporation: the effect of non-commutative geometry*, Class. Quant. Grav. **23**, 6425-6434 (2006), [hep-th/0607157].
296. E. Harikumar, V. O. Rivelles, *Noncommutative Gravity*, Class. Quant. Grav. **23**, 7551-7560 (2006), [hep-th/0607115].
297. G. Esposito, C. Stornaiolo, *From Peierls brackets to a generalized Moyal bracket for type-I gauge theories*, hep-th/0607114.
298. C. Deliduman, *Noncommutative Gravity in Six Dimensions*, hep-th/0607096.
299. H. Garcia-Compean, C. Soto-Campos, *Noncommutative Effects in the Black Hole Evaporation in Two Dimensions*, Phys. Rev. **D74**, 104028 (2006), [hep-th/0607071].
300. F. Koch, *Vector Field Twisting of Lie-Algebras*, hep-th/0607063.
301. R. J. Szabo, *Symmetry, Gravity and Noncommutativity*, Class. Quant. Grav. **23**, R199-R242 (2006), [hep-th/0606233].
302. S. Kurkuoglu, C. Saemann, *Drinfeld Twist and General Relativity with Fuzzy Spaces*, Class. Quant. Grav. **24**, 291 (2007), [hep-th/0606197].
303. D. Karabali, V. P. Nair, *Quantum Hall Effect in Higher Dimensions, Matrix Models and Fuzzy Geometry*, J. Phys. **A39**, 12735-12764 (2006), [hep-th/0606161].
304. A. P. Balachandran, B. A. Qureshi, *Noncommutative Geometry: Fuzzy Spaces, the Groenewold-Moyal Plane*, SIGMA **2**, 094 (2006), [hep-th/0606115].

305. T. G. Rizzo, *Noncommutative Inspired Black Holes in Extra Dimensions*, hep-ph/0606051.
306. P. Mukherjee, *Comment on the first order noncommutative correction to gravity*, hep-th/0605287.
307. X. Calmet and A. Kobakhidze, *Second Order Noncommutative Corrections to Gravity*, hep-th/0605275.
308. S. Meljanac and M. Stojić, *New realizations of Lie algebra kappa-deformed Euclidean space*, accepted for publication in Eur. Phys. J. C (2006).
309. J. F. Carinena and H. Figueroa, *Feynman problem in the noncommutative case*, J. Phys. A **39**, 3763-3769 (2006).
310. L. Alvarez-Gaume, F. Meyer and M. A. Vazquez-Mozo, *Comments on noncommutative gravity*, hep-th/0605113.
311. V. P. Nair, *The Chern-Simons one-form and gravity on a fuzzy space*, hep-th/0605008.
312. J. M. Gracia-Bondia, F. Lizzi, F. Ruiz-Ruiz and Patrizia Vitale, *Noncommutative spacetime symmetries: Twist versus covariance*, hep-th/0604206.
313. R. Banerjee and Kuldeep Kumar, *Deformed relativistic and nonrelativistic symmetries on canonical noncommutative spaces*, hep-th/0604162.
314. A. Borowiec, J. Lukierski and V.N. Tolstoy, *Jordanian twist quantization of $D = 4$ Lorentz and Poincare algebras and $D = 3$ contraction limit*, hep-th/0604146.
315. T. R. Govindarajan, S. Kurkcuoglu and M. Panero, *Nonlocal regularisation of noncommutative field theories*, hep-th/0604061.
316. D. Grumiller and R. Meyer, *Ramifications of lineland*, to appear in the proceedings of 5th Workshop on Quantization, Dualities and Integrable Systems, Denizli, Turkey, 23-27 Jan 2006, hep-th/0604049.
317. Jong-Geon Bu, Hyeong-Chan Kim, Youngone Lee, Chang Hyon Vac and Jae Hyung Yee, *Noncommutative Field Theory from twisted Fock space*, Phys. Rev. D **73**, 125001 (2006).
318. A. Kobakhidze, *Theta-twisted gravity*, hep-th/0603132.
319. C. Saemann, *Aspects of twistor geometry and supersymmetric field theories within superstring theory*, Ph.D. Thesis, hep-th/0603098.
320. P. Aschieri, M. Dimitrijević, F. Meyer, S. Schraml and J. Wess, *Twisted Gauge Theories*, hep-th/0603024.
321. J. Collins, Alejandro Perez and Daniel Sudarsky, *Lorentz invariance violation and its role in quantum gravity phenomenology*, hep-th/0603002.
322. A. P. Balachandran, T. R. Govindarajan, K. S. Gupta and S. Kurkcuoglu, *Noncommutative two dimensional gravities*, hep-th/0602265.
323. D. V. Vassilevich, *Twist to close*, hep-th/0602185.
324. R. Banerjee, S. Kulkarni and S. Samanta, *Deformed symmetry in Snyder space and relativistic particle dynamics*, hep-th/0602151.
325. D. V. Vassilevich, R. Fresneda and D. M. Gitman, *Stability of a noncommutative Jackiw-Teitelboim gravity*, hep-th/0602095.
326. A. Stern, *Non-constant non-commutativity in 2D field theories and a new look at fuzzy monopoles*, Nucl. Phys. **B745**, 236-259 (2006).
327. B. A. Qureshi, *Twisted supersymmetry, fermion-boson mixing and removal of UV-IR mixing*, hep-th/0602040.
328. B. M. Zupnik, *Deformations of Euclidean supersymmetries*, hep-th/0602034.
329. G. Landi and Walter van Suijlekom, *Noncommutative instantons from twisted conformal symmetries*, math.qa/0601554.
330. B. Chakraborty, S. Gangopadhyay, A. G. Hazra and F. G. Scholtz, *Twisted Galilean symmetry and the Pauli principle at low energies*, hep-th/0601121.

- 331. F. Lizzi, S. Vaidya and P. Vitale, *Twisted conformal symmetry in noncommutative two-dimensional quantum field theory*, hep-th/0601056.
- 332. B. M. Zupnik, *Reality in noncommutative gravity*, hep-th/0512231.
- 333. D. Sudarsky, *Perspectives on quantum gravity phenomenology*, Int. J. Mod. Phys. D **14**, 2069-2094 (2005).
- 334. Wolfgang Behr, *Noncommutative gauge theory beyond the canonical case*, Ph.D. Thesis, hep-th/0511119.
- 335. A. Pinzul and A. Stern, *Noncommutative AdS³ with quantized cosmological constant*, Class. Quant. Grav. **23**, 1009 (2006).
- 336. F. Meyer, *Noncommutative spaces and gravity*, talk given at 28th Spanish Relativity Meeting (ERE05): A Century of Relativity Physics, Oviedo, Asturias, Spain, 6-10 Sep 2005, hep-th/0510188.
- 337. P. Aschieri, M. Dimitrijević, F. Meyer and J. Wess, *Noncommutative Geometry and Gravity*, Class. Quant. Grav. **23**, 1883-1912 (2006).
- 338. Xin-zhou Li, *Comment on 'Schwarzschild black hole in noncommutative spaces*, hep-th/0508128.
- 339. R. Banerjee, *Deformed Schrodinger symmetry on noncommutative space*, hep-th/0508224.
- 340. A. P. Balachandran, A. Pinzul and B. A. Qureshi, *UV-IR mixing in non-commutative plane*, Phys. Lett. B **634**, 434-436 (2006).
- 341. J. Lukierski and M. Woronowicz, *New Lie-algebraic and quadratic deformations of Minkowski space from twisted Poincare symmetries*, Phys. Lett. B **633**, 116-124 (2006).
- 342. O. W. Greenberg, *Failure of microcausality in quantum field theory on noncommutative spacetime*, Phys. Rev. D **73**, 045014 (2006).
- 343. A. P. Balachandran, G. Mangano, A. Pinzul and S. Vaidya, *Spin and statistics on the Groenwald-Moyal plane: Pauli-forbidden levels and transitions*, hep-th/0508002.
- 344. V. Gayral, B. Iochum and J. C. Varilly, *Dixmier traces on noncompact isospectral deformations*, hep-th/0507206.
- 345. C. Gónora, P. Kosinski, P. Maslanka and S. Giller, *Global symmetries of noncommutative space-time*, Phys. Rev. D **72**, 067702 (2005).
- 346. X. Calmet and A. Kobakhidze, *Noncommutative general relativity*, Phys. Rev. D **72**, 045010 (2005).
- 347. M. Ihl and C. Saemann, *Drinfeld-twisted supersymmetry and non-anticommutative superspace*, JHEP **0601**, 065 (2006).
- 348. B. M. Zupnik, *Twist-deformed supersymmetries in non-anticommutative superspaces*, Phys. Lett. B **627**, 208-216 (2005).
- 349. J. Iliopoulos, *Gauge theories and non-commutative geometry*, talk given at Symposium in Honor of Julius Wess on the Occasion of his 70th Birthday, Munich, Germany, 10-11 Jan 2005, published in Fortsch. Phys. **54**, 139-145 (2006).

- P. Aschieri, M. Dimitrijević, F. Meyer and J. Wess, *Noncommutative Geometry and Gravity*, Class. Quant. Grav. **23**, 1883-1912 (2006), citiran je u sledećim radovima:

1. L. Huang, J. Chen, Y. Wang, *Quasinormal modes and quantization of area/entropy for noncommutative BTZ black hole*, Eur. Phys. J. C **78** (2018) no.4, 299.
2. R. J. Szabo, *Higher Quantum Geometry and Non-Geometric String Theory*, arXiv:1803.08861.
3. Z. Kuznetsova, F. Toppan, *On Light-like Deformations of the Poincar Algebra*, arXiv:1803.07406.
4. S. Dey, A. Fring, V. Hussin, *A squeezed review on coherent states and nonclassicality for non-Hermitian systems with minimal length*, arXiv:1801.01139.

5. M. Bojowald, S. Brahma, U. Buyukcam, M. Ronco, *Extending general covariance: Moyal-type noncommutative manifolds*, arXiv:1712.07413.
6. J.L. Lpez, M. Sabido, C. Yee-Romero, *Phase space deformations in phantom cosmology*, Phys. Dark Univ. **19** (2018) 104-108.
7. C. A. Aguilln, A. Much, M. Rosenbaum, J. David Vergara, *Noncommutative Riemannian geometry from quantum spacetime generated by twisted Poincare group*, J. Math. Phys. **58** (2017) no.11, 112301.
8. P. Aschieri, M. Dimitrijević Ćirić and R. Szabo, *Nonassociative differential geometry and gravity with non-geometric fluxes*, JHEP **1802**, 036 (2018).
9. D. Meljanac, S. Meljanac, D. Pikutić, *Families of vector-like deformations of relativistic quantum phase spaces, twists and symmetries*, Eur. Phys. J. C **77** (2017) no.12, 830.
10. D. Gocanin, V. Radovanović, *Dirac field and gravity in NC SO(2,3) model*, Eur. Phys. J. C **78** (2018) no.3, 195.
11. E. Baloitcha, V. Lahoche, D. Ousmane Samary, *Energy momentum tensor for translation invariant renormalizable noncommutative field theory*, arXiv:1707.05070.
12. P. Aschieri, A. Borowiec, A. Pachol, *Observables and dispersion relations in kappa-Minkowski spacetime*, JHEP **1710** (2017) 152.
13. A. Crespo-Hernandez, E.A. Mena-Barboza, M. Sabido, *On the Entropy of Deformed Phase Space Black Hole and the Cosmological Constant*, Entropy **19** (2017) 91.
14. Gianluca Calcagni, *Classical and Quantum Cosmology*, Springer, Cham.
DOI: 10.1007/978-3-319-41127-9
15. Umut Buyukcam, *Application of Canonical Effective Methods to Background-Independent Theories*, PhD Thesis 2017.
<https://etda.libraries.psu.edu/catalog/14364uxb101>
16. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC SO(2,3)_{*} gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).
17. Jerzy Lukierski, *Kappa-Deformations: Historical Developments and Recent Results*, J. Phys. Conf. Ser. **804** (2017) no.1, 012028.
18. Y. Kaneko, H. Muraki, S. Watamura, *Contravariant Gravity on Poisson Manifolds and Einstein Gravity*, Class. Quant. Grav. **34** (2017) no.11, 115002.
19. C. Palechor, A.F. Ferrari, A.G. Quinto, *Twisted Supersymmetry in a Deformed Wess-Zumino Model in (2+1) Dimensions*, JHEP **1701** (2017) 049.
20. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
21. S.M.M. Rasouli, A.H. Ziaie, S. Jalalzadeh, P.V. Moniz, *Non-singular BransDicke collapse in deformed phase space*, Annals Phys. **375** (2016) 154-178.
22. P. Aschieri, *Deformation quantization of principal bundles*, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.08, 1630010.
23. A. Kobakhidze, C. Lagger, A. Manning, *Constraining noncommutative spacetime from GW150914*, Phys.Rev. D **94** (2016) no.6, 064033.
24. G. E. Barnes, A. Schenkel, R. J. Szabo, *Mapping spaces and automorphism groups of toric noncommutative spaces*, Lett. Math. Phys. **107** (2017) no.9, 1591-1628.
25. P. Aschieri, P. Bieliavsky, C. Pagani, A. Schenkel, *Noncommutative principal bundles through twist deformation*, Commun. Math. Phys. **352** (2017) no.1, 287-344.
26. R. Blumenhagen, M. Fuchs, *Towards a Theory of Nonassociative Gravity*, JHEP **1607** (2016) 019.
27. A. Borowiec, A. Pachol, *Twisted bialgebroids versus bialgebroids from a Drinfeld twist*, J. Phys. A **50** (2017) no.5, 055205.
28. S. Kobayashi, *Regular Black Holes and Noncommutative Geometry Inspired Fuzzy Sources*, Int. J. Mod. Phys. A **31** (2016) no.14n15, 1650080.

29. T. Juric, A. Samsarov, *Entanglement entropy renormalization for the noncommutative scalar field coupled to classical BTZ geometry*, Phys. Rev. D **93** (2016) no.10, 104033.
30. A. Borowiec, T. Juric, S. Meljanac, A. Pachol, *Central tetrads and quantum spacetimes*, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.08, 1640005.
31. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
32. M. Dobrski, *Background independent noncommutative gravity from Fedosov quantization of endomorphism bundle*, Class. Quant. Grav. **34** (2017) no.7, 075004.
33. M. Sabido, C. Yee-Romero, *Deformed phase space KaluzaKlein cosmology and late time acceleration*, Phys. Lett. B **757** (2016) 57-60.
34. Viet Ai Nguyen, Du Tien Pham, *Gravity and nonabelian gauge fields in noncommutative space-time*, arXiv:1510.01169.
35. F. A. Brito, E. E. M. Lima, *Exploring the thermodynamics of non-commutative scalar fields*, Int. J. Mod. Phys. A **31** (2016) no.11, 1650057.
36. M. Rivera, *Noncommutative Field Theory With General Translation Invariant Star Products*, arXiv:1509.00596.
37. M. Buric, J. Madore, *Noncommutative de Sitter and FRW spaces*, Eur. Phys. J. C **75** (2015) no.10, 502.
38. V.P. Nair, *Thermofield dynamics and Gravity*, Phys. Rev. D **92** (2015) no.10, 104009.
39. A. Pachol, P. Vitale, *kappa-Minkowski star product in any dimension from symplectic realization*, J. Phys. A **48** (2015) no.44, 445202.
40. T. Juric, S. Meljanac, D. Pikutic, *Realizations of kappa-Minkowski space, Drinfeld twists and related symmetry algebras*, Eur. Phys. J. C **75** (2015) no.11, 528.
41. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
42. P. Aschieri, R. J. Szabo, *Triproducts, nonassociative star products and geometry of R-flux string compactifications*, J. Phys. Conf. Ser. **634** (2015) no.1, 012004.
43. S. Upadhyay, B. Prasad Mandal, *Greens functions in perturbative quantum gravity*, Eur. Phys. J. C **75** (2015) no.7, 327.
44. D. Momeni, R. Myrzakulov, M. Raza, *Holographic Entanglement Entropy for noncommutative Anti-de Sitter space*, Mod. Phys. Lett. A **31** (2016) no.12, 1650073.
45. C. A. Soto-Campos, S. Valdez-Alvarado, *Noncommutative Reissner-Nordström Black hole*, arXiv:1503.05469.
46. T. Juric, S. Meljanac, D. Pikutic, R. Strajn, *Toward the classification of differential calculi on -Minkowski space and related field theories*, JHEP **1507** (2015) 055.
47. S. Zaim, *Anisotropic universe space-time non-commutativity and scalar particle creation in the presence of a constant electric field*, Rom. J. Phys. **61** (2016) no.5-6, 743.
48. R. Verma, *Twisted fermionic oscillator algebra in kappa-minkowski space-time*, Eur. Phys. J. Plus **130** (2015) no.4, 79.
49. S. M. M. Rasouli, P. V. Moniz, *Noncommutative minisuperspace, gravity-driven acceleration, and kinetic inflation*, Phys. Rev. D **90** (2014) no.8, 083533.
50. M. Hanada, H. Shimada, *On the continuity of the commutative limit of the 4d N=4 non-commutative super YangMills theory*, Nucl.Phys. B892 (2015) 449-474.
51. Sanjib Dey, *Solvable Models on Noncommutative Spaces with Minimal Length Uncertainty Relations*, PhD Thesis 2014. 170 pp. arXiv:1410.3193.
52. M. Kober, *Canonical quantum gravity on noncommutative spacetime*, Int. J. Mod. Phys. A **30** (2015) no.17, 1550085.
53. C. Castro, *Novel Physical Consequences of the Extended Relativity in Clifford Spaces*, Adv. Appl. Clifford Algebras **25** (2015) 65-79.

54. C. Castro, *On Clifford Space Relativity, Black Hole Entropy, Rainbow Metrics, Generalized Dispersion and Uncertainty Relations*, Found. Phys. 44 (2014) no.9, 990-1008.
55. S. Perez-Payan, M. Sabido, E. Mena, C. Yee-Romero, *Analysis of Scalar Field Cosmology with Phase Space Deformations*, Adv. High Energy Phys. 2014 (2014) 958137.
56. J. Lukierski, *Quantum Gravity models - brief conceptual summary*, In "Mathematical Structures of the Universe", Editors: M.Eckstein, M.Heller, S.Szybka, publ. Copernicus Center Press, p.277-300 (2014).
57. M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2, 3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).
58. A. Borowiec, A. Pachol, *Kappa-Deformations and Extended kappa-Minkowski Spacetimes*, SIGMA **10** (2014) 107.
59. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).
60. T. Juric, D. Kovacevic, S. Meljanac, *Kappa-Deformed Phase Space, Hopf Algebroid and Twisting*, SIGMA **10** (2014) 106.
61. G. Oliveira-Neto, M. Silva de Oliveira, G.A. Monerat, E.V. Corra Silva, *Noncommutativity in the early Universe*, Int. J. Mod. Phys. D **26** (2016) no.02, 1750011.
62. K. S. Gupta, E. Harikumar, T. Juric, S. Meljanac, A. Samsarov, *Effects of Noncommutativity on the Black Hole Entropy*, Adv. High Energy Phys. 2014 (2014) 139172.
63. T. Juric, S. Meljanac, R. Strajn, *Universal kappa-Poincar covariant differential calculus over kappa-Minkowski space*, Int. J. Mod. Phys. A **29** (2014) 1450121.
64. H. Seok Yang, *Quantization of Emergent Gravity*, Int. J. Mod. Phys. A **30** (2015) 1550016.
65. A. Borowiec, A. Pachol, *Unified description for kappa-deformations of orthogonal groups*, Eur. Phys. J. C **74** (2014) no.3, 2812.
66. S. Upadhyay, *Finite field-dependent symmetries in perturbative quantum gravity*, Annals Phys. **340** (2014) 110-118.
67. C. Castro, *The Extended Relativity Theory in Clifford Phase Spaces and Modifications of Gravity at the Planck/Hubble Scales*, Adv. Appl. Clifford Algebras **24** (2014) no.1, 29-53.
68. A. Schenkel, C. F. Uhlemann, *Dirac Operators on Noncommutative Curved Spacetimes*, SIGMA **9** (2013) 080.
69. S. Upadhyay, *Perturbative quantum gravity in Batalin-Vilkovisky formalism*, Phys. Lett. B **723** (2013) 470-474.
70. T. Juric, S. Meljanac, R. Strajn, *Twists, realizations and Hopf algebroid structure of kappa-deformed phase space*, Int. J. Mod. Phys. A **29** (2014), 1450022.
71. T. Juric, S. Meljanac, R. Strajn, *kappa-Poincar-Hopf algebra and Hopf algebroid structure of phase space from twist*, Phys. Lett. A **377** (2013) 2472-2476.
72. S. Dey, A. Fring, B. Khantoul, *Hermitian versus non-Hermitian representations for minimal length uncertainty relations*, J. Phys. A **46** (2013) 335304.
73. Alessandro Zucca, *Dirac Operators on Quantum Principal G-Bundles*, PhD Thesis 2013. 262 pp.
74. E. Harikumar, R. Verma, *Uniformly accelerated detector in the kappa-deformed Dirac vacuum*, Mod. Phys. Lett. A **28** (2013) 1350063.
75. Sunggeun Lee, Raju Roychowdhury, Hyun Seok Yang, *Test of Emergent Gravity*, arXiv:1211.0207 [hep-th].
76. P. Aschieri, *Twisting all the way: from algebras to morphisms and connections*, Int. J. Mod. Phys. Conf. Ser. **13** (2012) 1-19.
77. A. Schenkel, *Twist deformations of module homomorphisms and connections*, PoS CORFU2011 (2011) 056.
78. A. Schenkel, *Noncommutative Gravity and Quantum Field Theory on Noncommutative Curved Spacetimes*, arXiv:1210.1115 [math-ph].

79. P. Aschieri, A. Schenkel, *Noncommutative connections on bimodules and Drinfeld twist deformation*, arXiv:1210.0241 [math.QA].
80. P. Aschieri, *Extended gravity from noncommutativity*, arXiv:1207.5060 [gr-qc].
81. M. Dimitrijevic, V. Radovanovic, H. Stefancic, *AdS-inspired noncommutative gravity on the Moyal plane*, arXiv:1207.4675 [hep-th].
82. P. Aschieri, L. Castellani, M. Dimitrijevic, *Noncommutative gravity at second order via Seiberg-Witten map*, arXiv:1207.4346 [hep-th].
83. S. Dey, A. Fring, *Squeezed coherent states for noncommutative spaces with minimal length uncertainty relations*, Phys. Rev. D86 (2012) 064038.
84. S. Kobayashi, T. Asakawa, *Angles in Fuzzy Disc and Angular Noncommutative Solitons*, arXiv:1206.6602 [hep-th].
85. P. Aschieri, L. Castellani, *Extended gravity theories from dynamical noncommutativity*, arXiv:1206.4096 [hep-th].
86. S. Dey, A. Fring, L. Gouba, *PT-symmetric noncommutative spaces with minimal volume uncertainty relations*, J. Phys. A45 (2012) 385302.
87. G. Fiore, *Learning from Julius' star* Int. J. Mod. Phys. Conf. Ser. 13 (2012) 86-97.
88. D. Blaschke, *Towards consistent non-commutative gauge theories*, PhD thesis at Vienna, Technical University.
89. M. Faizal, *Noncommutativity and Non-anticommutativity in Perturbative Quantum Gravity*, Mod. Phys. Lett. A27 (2012) 1250075.
90. S.S. Moskaliuk, N.M. Moskaliuk, *Noncommutative Einstein spaces and TQFT*, J. Phys. Conf. Ser. 343 (2012) 012080.
91. D. O. Samary, M. N. Hounkonnou, E. Baloitcha, *On the harmonic oscillator properties in a twisted Moyal plane*, arXiv:1203.4278 [math-ph].
92. C. Gónora, M. Wodzislawski, *$N = 1/2$ Global SUSY: R-Matrix Approach*, Nucl. Phys. B863 (2012) 525-541.
93. E. Harikumar, T. Juric, S. Meljanac, *Geodesic equation in k -Minkowski spacetime*, Phys. Rev. D86 (2012) 045002.
94. S. Alexander, A. Marciano, L. Modesto, *The Hidden Quantum Groups Symmetry of Super-renormalizable Gravity*, Phys. Rev. D85 (2012) 124030.
95. A. Schenkel, *Parallel transport observables for connections on finite projective modules over matrix algebras*, arXiv:1201.4785 [math-ph].
96. S. Perez-Payan, M. Sabido, *Black Hole Thermodynamics from a Noncommutative Area Operator*, arXiv:1201.0928 [hep-th].
97. A. Pachol, *Kappa-Minkowski spacetime: Mathematical formalism and applications in Planck scale physics*, arXiv:1112.5366 [math-ph].
98. A. Borowiec, J. Lukierski, M.n. Mozrzymas, V.N. Tolstoy, *$N = 1/2$ Deformations of Chiral Superspaces from New Twisted Poincare and Euclidean Superalgebras*, JHEP 1206 (2012) 154.
99. C. Gónora, M. Wodzislawski, *Global Space-Time Symmetries of Quantized Euclidean and Minkowski Superspaces*, JHEP 1204 (2012) 088.
100. S. Perez-Payan, M. Sabido, E. Mena, *On Deformed Phase Space and*, arXiv:1111.6137 [hep-th].
101. S. Perez-Payan, M. Sabido, C. Yee-Romero, *Effects of deformed phase space on scalar field cosmology*, arXiv:1111.6136 [hep-th].
102. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Scalar field propagation in the ϕ^4 kappa-Minkowski model*, JHEP 1112 (2011) 010.
103. P. Aschieri, L. Castellani, *Noncommutative gravity coupled to fermions: second order expansion via Seiberg-Witten map*, JHEP 1207 (2012) 184.
104. Hyun Seok Yang, *Towards A Background Independent Quantum Gravity*, J. Phys. Conf. Ser. 343 (2012) 012132.

105. C. Castro, *Some consequences of Born's reciprocal relativity in phase-spaces*, Int. J. Mod. Phys. A26 (2011) 3653-3678.
106. K. S. Gupta, S. Meljanac, A. Samsarov, *Quantum statistics and noncommutative black holes*, Phys. Rev. D85 (2012) 045029.
107. M.N. Hounkonnou, D.Ousmane Samary, *Twisted YangMills field theory: connections and Noether currents*, J. Phys. A44 (2011) 315401.
108. S. Meljanac, A. Samsarov, J. Trampetic, M. Wohlgenannt, *Noncommutative kappa-Minkowski phi4 theory: Construction, properties and propagation*, arXiv:1107.2369 [hep-th].
109. M. Kober, *Canonical Noncommutativity Algebra for the Tetrad Field in General Relativity*, Class. Quant. Grav. 28 (2011) 225021.
110. L. Castellani, *Noncommutative supergravity*, PoS CNCFG2010 (2010) 013.
111. M. N. Hounkonnou, D. O. Samary, *Harmonic oscillator in twisted Moyal plane: eigenvalue problem and relevant properties*, J. Math. Phys. 51 (2010) 102108.
112. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D83 (2011) 065010.
113. A. Schenkel, *Quantum Field Theory on Curved Noncommutative Spacetimes*, PoS CNCFG2010 (2010) 029.
114. D. Singh, N. Mobed, *Local Space-Time Curvature Effects on Quantum Orbital Angular Momentum*, Class. Quant. Grav. 28 (2011) 105024.
115. P.G. Castro, B. Chakraborty, R. Kullock, F. Toppan, *Noncommutative Oscillators from a Hopf Algebra Twist Deformation. A first Principles Derivation*, J. Math. Phys. 52 (2011) 032102.
116. Yan-Gang Miao, Zhao Xue, Shao-Jun Zhang, *Tunneling of massive particles from noncommutative inspired Schwarzschild black hole*, Gen. Rel. Grav. 44 (2012) 555-566.
117. P. G. Castro, *Hopf Algebras in Deformed Quantum Theories*, arXiv:1012.1815 [hep-th].
118. M. Dobrski, *On some models of geometric noncommutative general relativity*, Phys. Rev. D84 (2011) 065005.
119. M. Sabido, W. Guzman, J. Socorro, *Noncommutativity and the Friedmann equations*, AIP Conf. Proc. 1256 (2010) 218-223.
120. A. Schenkel, *QFT on homothetic Killing twist deformed curved spacetimes*, Gen. Rel. Grav. 43 (2011) 2605-2630.
121. G. Fiore, *Noncommutative spaces with twisted symmetries and second quantization*, Proc. of the conference Noncommutative Structures in Mathematics and Physics, Satellite Conference to the 5th European Congress of Mathematics, Brussels, 22-26 Jul 2008. S.Caenepeel et al.eds. Brussels 2010, p.163-177.
122. Yan-Gang Miao, Zhao Xue, Shao-Jun Zhang, *U(2,2) gravity on noncommutative space with symplectic structure*, Phys. Rev. D83 (2011) 024023.
123. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA 6 (2010) 086.
124. R. Carroll, *On the emergence theme of physics*, World Scientific Publishing Co Pte Ltd.
125. J. M. Gracia-Bondia, *Notes on 'quantum gravity' and non-commutative geometry*, Lect. Notes Phys. 807 (2010) 3-58.
126. S. Galluccio, *Non-commutative Field Theory, Translational Invariant Products and Ultraviolet/Infrared Mixing*, arXiv:1004.4655 [hep-th].
127. Yan-Gang Miao, Shao-Jun Zhang, *SL(2,C) gravity on noncommutative space with Poisson structure*, Phys. Rev. D82 (2010) 084017.
128. E. HARIKUMAR, A.K. KAPOOR, *Newton's Equation on the kappa space-time and the Kepler problem*, Mod. Phys. Lett. A25 (2010) 2991-3002.
129. J. Lukierski, *From Quantum Deformations of Relativistic Symmetries to Modified Kinematics and Dynamics*, Int. J. Mod. Phys. D20 (2011) 1961-1967.

130. A. Schenkel, C. F. Uhlemann, *Field Theory on Curved Noncommutative Spacetimes*, SIGMA 6 (2010) 061.
131. A. Schenkel, C. F. Uhlemann, *High energy improved scalar quantum field theory from noncommutative geometry without UV/IR-mixing*, Phys. Lett. B694 (2010) 258-260.
132. T. Ohl, A. Schenkel, C. F. Uhlemann, *Spacetime Noncommutativity in Models with Warped Extradimensions*, JHEP 1007 (2010) 029.
133. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *(Non)Renormalizability of the D-Deformed Wess-Zumino Model*, Phys. Rev. D81 (2010) 105020.
134. M. Chaichian, M. Oksanen, A. Tureanu, G. Zet, *Noncommutative gauge theory using covariant star product defined between Lie valued differential forms*, Phys. Rev. D81 (2010) 085026.
135. T. Ohl, A. Schenkel, *Algebraic approach to quantum field theory on a class of noncommutative curved spacetimes*, Gen. Rel. Grav. 42 (2010) 2785-2798.
136. O. Obregon, M. Sabido, E. Mena, *On noncommutative minisuperspace, cosmology and Lambda*, Mod. Phys. Lett. A24 (2009) 1907-1914.
137. P.G. Castro, B. Chakraborty, Z. Kuznetsova, F. Toppan, *Twist Deformations of the Supersymmetric Quantum Mechanics*, Central Eur. J. Phys. 9 (2011) 841-851.
138. T. Asakawa, S. Kobayashi, *Noncommutative Solitons of Gravity*, Class. Quant. Grav. 27 (2010) 105014.
139. Wen Sun, Ding Wang, Naqing Xie, R.B. Zhang, Xiao Zhang, *Gravitational collapse of spherically symmetric stars in noncommutative general relativity*, Eur. Phys. J. C69 (2010) 271-279.
140. M. N. Hounkonnou, D. O. Samary, *Twisted Grosse-Wulkenhaar ϕ^4 model: Dynamical noncommutativity and Noether currents*, J. Phys. A43 (2010) 155202.
141. R. Banerjee, B. Chakraborty, S. Ghosh, P. Mukherjee, S. Samanta, *Topics in Noncommutative Geometry Inspired Physics*, Found. Phys. 39 (2009) 1297-1345.
142. A. Schenkel, *Symmetry Reduction and Exact Solutions in Twisted Noncommutative Gravity*, arXiv:0908.0434 [hep-th].
143. M. Buric, J. Madore, *Noncommutative spherical symmetry via the monopole*, Int. J. Mod. Phys. A24 (2009) 2783-2791.
144. P. Aschieri, L. Castellani, *Noncommutative Gravity Solutions*, J. Geom. Phys. 60 (2010) 375-393.
145. T. Ohl, A. Schenkel, *Cosmological and Black Hole Spacetimes in Twisted Noncommutative Gravity*, JHEP 0910 (2009) 052.
146. A. Kobakhidze, *Diffeomorphism-invariant noncommutative gravity with twisted local Lorentz invariance*, Electron. J. Theor. Phys. 7N24 (2010) 163-170.
147. D.V. Vassilevich, *Diffeomorphism covariant star products and noncommutative gravity*, Class. Quant. Grav. 26 (2009) 145010.
148. A. Borowiec, A. Pachol, *Classical basis for kappa-Poincare algebra and doubly special relativity theories*, J. Phys. A43 (2010) 045203.
149. P. Aschieri, *Star Product Geometries*, arXiv:0903.2457 [math.QA].
150. T.R. Govindarajan, Kumar S. Gupta, E. Harikumar, S. Meljanac, D. Meljanac, *Deformed Oscillator Algebras and QFT in kappa-Minkowski Spacetime*, Phys. Rev. D80 (2009) 025014.
151. T. Grammatikopoulos, *Dimensional Reduction of Supersymmetric Gauge Theories*, arXiv:0903.1399 [hep-th].
152. Ding Wang, R.B. Zhang, Xiao Zhang, *Exact solutions of noncommutative vacuum Einstein field equations and plane-fronted gravitational waves*, Eur. Phys. J. C64 (2009) 439-444.
153. P. Aschieri, L. Castellani, *Noncommutative supergravity in $D=3$ and $D=4$* , JHEP 0906 (2009) 087.
154. P. Aschieri, L. Castellani, *Noncommutative $D=4$ gravity coupled to fermions*, JHEP 0906 (2009) 086.
155. M. Dimitrijevic, V. Radovanovic, *D-deformed Wess-Zumino model and its renormalizability properties*, JHEP 0904 (2009) 108.

156. D. V. Vassilevich, *Towards noncommutative gravity*, arXiv:0902.0767 [hep-th].
157. Dinesh Singh, Nader Mobed, Pierre-Philippe Ouimet, *Signatures of Noncommutative Geometry in Muon Decay for Nonsymmetric Gravity*, Found. Phys. 40 (2010) 1789-1799.
158. Hyun Seok Yang, *Noncommutative spacetime and emergent gravity*, Bulg. J. Phys. 35 (2008) 323-328.
159. M. Sabido, O. Obregon, E. Mena, *Non commutativity and Lambda*, AIP Conf. Proc. 1083 (2008) 201-207.
160. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field theory on nonanticommutative superspace*, Fortsch. Phys. 56 (2008) 418-423.
161. W. Guzman, M. Sabido, J. Socorro, *Towards noncommutative supersymmetric quantum cosmology*, AIP Conf. Proc. 1318 (2010) 209-215.
162. W. Guzman, M. Sabido, J. Socorro, *On Noncommutative Minisuperspace and the Friedmann equations*, Phys. Lett. B697 (2011) 271-274.
163. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D79 (2009) 045012.
164. T. Asakawa, M. Mori, S. Watamura, *Twist Quantization of String and B Field Background*, JHEP 0904 (2009) 117.
165. G. Fiore, *On second quantization on noncommutative spaces with twisted symmetries*, J. Phys. A43 (2010) 155401.
166. T. Ohl, A. Schenkel, *Symmetry Reduction in Twisted Noncommutative Gravity with Applications to Cosmology and Black Holes*, JHEP 0901 (2009) 084.
167. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Covariant noncommutative field theory*, AIP Conf. Proc. 1026 (2008) 20-29.
168. S. Galluccio, F. Lizzi, P. Vitale, *Twisted Noncommutative Field Theory with the Wick-Voros and Moyal Products*, Phys. Rev. D78 (2008) 085007.
169. G. Fiore, *On the consequences of twisted Poincare' symmetry upon QFT on Moyal noncommutative spaces*, prepared for Quantum field theory and beyond: Essays in hono Conference: C08-02-03 (Quantum Field Theory and Beyond, Tegernsee 2008, World Scientific 2008, p.64-84. (Ringberg Castle 2008)).
170. Ding Wang, R.B. Zhang, Xiao Zhang, *Quantum deformations of Schwarzschild and Schwarzschild-de Sitter spacetimes*, Class. Quant. Grav. 26 (2009) 085014.
171. Ee Chang-Young, Daeho Lee, Youngone Lee, *Noncommutative BTZ Black Hole in Polar Coordinates*, Class. Quant. Grav. 26 (2009) 185001.
172. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Twisted Covariant Noncommutative Self-dual Gravity*, Phys. Rev. D78 (2008) 124008.
173. M. Rosenbaum, J.D. Vergara, L.R. Juarez, *Space-Time Diffeomorphisms in Noncommutative Gauge Theories*, SIGMA 4 (2010) 055.
174. P. Nicolini, *Noncommutative Black Holes, The Final Appeal To Quantum Gravity: A Review*, Int. J. Mod. Phys. A24 (2009) 1229-1308.
175. M. Buric, J. Madore, *Spherically Symmetric Noncommutative Space: $d = 4$* , Eur. Phys. J. C58 (2008) 347-353.
176. D. Singh, N. Mobed, *Breakdown of Lorentz Invariance for Spin-1/2 Particle Motion in Curved Space-Time with Applications to Muon Decay*, Phys. Rev. D79 (2009) 024026.
177. M. Daoud, A. Hamama, *Symplectic Deformations, Non Commutative Scalar Fields and Fractional Quantum Hall Effect*, Int. J. Mod. Phys. A23 (2008) 2591-2612.
178. M. Chaichian, K. Nishijima, T. Salminen, A. Tureanu, *Noncommutative Quantum Field Theory: A Confrontation of Symmetries*, JHEP 0806 (2008) 078.
179. T. Asakawa, M. Mori, S. Watamura, *Hopf Algebra Symmetry and String*, Prog. Theor. Phys. 120 (2008) 659-689.

180. A.P. Balachandran, A. Pinzul, A.R. Queiroz, *Twisted Poincare Invariance, Noncommutative Gauge Theories and UV-IR Mixing*, Phys. Lett. B668 (2008) 241-245.
181. P.G. Castro, B. Chakraborty, F. Toppan, *Wigner Oscillators, Twisted Hopf Algebras and Second Quantization*, J. Math. Phys. 49 (2008) 082106.
182. P. Aschieri, L. Castellani, M. Dimitrijevic, *Dynamical noncommutativity and Noether theorem in twisted ϕ^4 theory*, Lett. Math. Phys. 85 (2008) 39-53.
183. E. Mena, O. Obregon, M. Sabido, *Is noncommutativity related with the smallness of Lambda?*, arXiv:0802.3393 [hep-th].
184. M. Irisawa, *Nonperturbative deformation of D-brane states by the world sheet noncommutativity*, Phys. Lett. B664 (2008) 204-209.
185. P. Bertozzini, R. Conti, W. Lewkeeratiyutkul, *Non-Commutative Geometry, Categories and Quantum Physics*, East West J. Math. 2007 (2007) S213-S259.
186. L. Barosi, F. A. Brito, A. R. Queiroz, *Noncommutative field gas driven inflation*, JCAP 0804 (2008) 005.
187. G. Fiore, *Can QFT on Moyal-Weyl spaces look as on commutative ones?*, Prog. Theor. Phys. Suppl. 171 (2007) 54-60.
188. P. Aschieri, *Symmetries, covariant derivatives and gravity on noncommutative spacetime*, Prog. Theor. Phys. Suppl. 171 (2007) 11-22.
189. J. Wess, *Deformed gravity*, Prog. Theor. Phys. Suppl. 171 (2007) 1-10.
190. M. Buric, J. Madore, G. Zoupanos, *WKB Approximation in Noncommutative Gravity*, SIGMA 3 (2007) 125.
191. A. Kobakhidze, *Noncommutative corrections to classical black holes*, Phys. Rev. D79 (2009) 047701.
192. D.V. Vassilevich, *Symmetries in noncommutative field theories: Hopf versus Lie*, Sao Paulo J. Math. Sci. 4 (2010) 121-133.
193. Y. Sasai, N. Sasakura, *Domain wall solitons and Hopf algebraic translational symmetries in noncommutative field theories*, Phys. Rev. D77 (2008) 045033.
194. B. S. DeWitt, G. Esposito, *An Introduction to quantum gravity*, Int. J. Geom. Meth. Mod. Phys. 5 (2008) 101-156.
195. C.A.S. Young, R. Zegers, *Covariant particle statistics and intertwiners of the kappa-deformed Poincare algebra*, Nucl. Phys. B797 (2008) 537-549.
196. M. Riccardi, R. J. Szabo, *Duality and Braiding in Twisted Quantum Field Theory*, JHEP 0801 (2008) 016.
197. F. Muller-Hoissen, *Noncommutative Geometries and Gravity*, AIP Conf. Proc. 977 (2008) 12-29.
198. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field Theory on Nonanticommutative Superspace*, JHEP 0712 (2007) 059.
199. A. Zejak, B. Dragovich, *Noncommutative Minisuperspace Cosmology*, e-Print: arXiv:0708.3950 [hep-th].
200. P. Aschieri, F. Lizzi, P. Vitale, *Twisting all the way: From Classical Mechanics to Quantum Fields*, Phys. Rev. D77 (2008) 025037.
201. H. Steinacker, *Emergent Gravity from Noncommutative Gauge Theory*, JHEP 0712 (2007) 049.
202. A.P. Balachandran, A.R. Queiroz, A.M. Marques, P. Teotonio-Sobrinho, *Quantum Fields with Noncommutative Target Spaces*, Phys. Rev. D77 (2008) 105032.
203. E. Di Grezia, G. Esposito, G. Miele, *The Scalar wave equation in a non-commutative spherically symmetric space-time*, Int. J. Geom. Meth. Mod. Phys. 5 (2008) 33-47.
204. T. Heinzl, A. Ilderton, *Noncommutativity from spectral flow*, J. Phys. A40 (2007) 9097-9125.
205. Hyun Seok Yang, *Noncommutative Electromagnetism As A Large N Gauge Theory*, Eur. Phys. J. C64 (2009) 445-457.

206. Y. Sasai, N. Sasakura, *Braided quantum field theories and their symmetries*, Prog. Theor. Phys. 118 (2007) 785-814.
207. I. Cortese, J.A. Garcia, *A Variational Formulation of Symplectic Noncommutative Mechanics*, Int. J. Geom. Meth. Mod. Phys. 4 (2007) 789-805.
208. P. Aschieri, *Noncommutative Gravity and the *-Lie algebra of diffeomorphisms*, Fortsch. Phys. 55 (2007) 649-654.
209. P. Aschieri, *Lectures on Hopf Algebras, Quantum Groups and Twists*, e-Print: hep-th/0703013.
210. M. Riccardi, R. J. Szabo, *Wilson Loops and Area-Preserving Diffeomorphisms in Twisted Noncommutative Gauge Theory*, hep-th/0701273.
211. G. Fiore, J. Wess, *On "full" twisted Poincare' symmetry and QFT on Moyal-Weyl spaces*, hep-th/0701078.
212. M. Chaichian, A. Tureanu, R. B. Zhang, X. Zhang, *Riemannian Geometry of Noncommutative Surfaces*, hep-th/0612128.
213. B. P. Dolan, Kumar, S. Gupta, A. Stern, *Noncommutative BTZ Black Hole and Discrete Time*, hep-th/0611233.
214. J. Bu, H. Kim, Y. Lee, C. H. Vac, J. H. Yee, *kappa-deformed Spacetime From Twist*, hep-th/0611175.
215. H. S. Yang, *Emergent Gravity from Noncommutative Spacetime*, hep-th/0611174.
216. S. Detournay, *Deformations of anti-de Sitter black holes*, Ph.D. Thesis, hep-th/0611031.
217. J. Wess, *Einstein-Riemann Gravity on Deformed Spaces*, contribution to the Proc. of the O'Raifeartaigh Symposium on Non-Perturbative and Symmetry Methods in Field Theory (June 2006, Budapest, Hungary), hep-th/0611025.
218. P. Aschieri, *Noncommutative Symmetries and Gravity*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005, hep-th/0608172.
219. J. Wess, *Deformed Gauge Theories*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005, hep-th/0608135.
220. F. Koch, *Twist-Deformed Lorentzian Heisenberg-Algebras*, hep-th/0608064.
221. S. Kar, *Noncommutative brane-world, (Anti) de Sitter vacua and extra dimensions*, JHEP **0610**, 052 (2006), [hep-th/0608018].
222. J. Wess, *Differential calculus and gauge transformations on a deformed space*, to appear in General Relativity and Gravitation Journal, Obregon's Festschrift 2006, hep-th/0607251.
223. S. Marculescu, F. Ruiz Ruiz, *Noncommutative Einstein-Maxwell pp-waves*, Phys. Rev. **D74**, 105004 (2006), [hep-th/0607201].
224. M. Chaichian, A. Tureanu, G. Zet, *Twist as a Symmetry Principle and the Noncommutative Gauge Theory Formulation*, hep-th/0607179.
225. E. Di Grezia, G. Esposito, G. Miele, *Gravitational amplitudes in black-hole evaporation: the effect of non-commutative geometry*, Class. Quant. Grav. **23**, 6425-6434 (2006), [hep-th/0607157].
226. E. Harikumar, V. O. Rivelles, *Noncommutative Gravity*, Class. Quant. Grav. **23**, 7551-7560 (2006), [hep-th/0607115].
227. G. Esposito, C. Stornaiolo, *From Peierls brackets to a generalized Moyal bracket for type-I gauge theories*, hep-th/0607114.
228. C. Deliduman, *Noncommutative Gravity in Six Dimensions*, hep-th/0607096.
229. F. Koch, *Vector Field Twisting of Lie-Algebras*, hep-th/0607063.
230. S. Kar, *Tunneling between de Sitter and anti de Sitter black holes in a noncommutative D3-brane formalism*, Phys. Rev. **D74**, 126002 (2006), [hep-th/0607029].
231. R. J. Szabo, *Symmetry, Gravity and Noncommutativity*, Class. Quant. Grav. **23**, R199-R242 (2006), [hep-th/0606233].

232. M. Irisawa, Y. Kobayashi, S. Sasaki, *Drinfel'd Twisted Superconformal Algebra and Structure of Unbroken Symmetries*, hep-th/0606207.
233. S. Kurkuoglu, C. Saemann, *Drinfeld Twist and General Relativity with Fuzzy Spaces*, Class. Quant. Grav. **24**, 291 (2007), [hep-th/0606197].
234. D. Karabali, V. P. Nair, *Quantum Hall Effect in Higher Dimensions, Matrix Models and Fuzzy Geometry*, J. Phys. **A39**, 12735-12764 (2006), [hep-th/0606161].
235. P. P. Kulish, *Twists of quantum groups and noncommutative field theory*, hep-th/0606056.
236. S. Kar and S. Majumdar, *Noncommutative D_3 -brane, Black Holes and Attractor Mechanism*, hep-th/0606026.
237. X. Calmet and A. Kobakhidze, *Second Order Noncommutative Corrections to Gravity*, hep-th/0605275.
238. L. Alvarez-Gaume, F. Meyer and M. A. Vazquez-Mozo, *Comments on noncommutative gravity*, hep-th/0605113.
239. V. P. Nair, *The Chern-Simons one-form and gravity on a fuzzy space*, hep-th/0605008.
240. J. Lukierski, *Quantum Deformations of Einstein's Relativistic Symmetries*, to appear in the proceedings of Albert Einstein's Century International Conference, Paris, France, 18-22 Jul 2005, hep-th/0604083.
241. D. Grumiller and R. Meyer, *Ramifications of lineland*, to appear in the proceedings of 5th Workshop on Quantization, Dualities and Integrable Systems, Denizli, Turkey, 23-27 Jan 2006, hep-th/0604049.
242. Jong-Geon Bu, Hyeong-Chan Kim, Youngone Lee, Chang Hyon Vac and Jae Hyung Yee, *Noncommutative Field Theory from twisted Fock space*, Phys. Rev. D **73**, 125001 (2006).
243. J. Zahn, *Remarks on twisted noncommutative quantum field theory*, Phys. Rev. D **73**, 105005 (2006).
244. A. Kobakhidze, *Theta-twisted gravity*, hep-th/0603132.
245. C. Saemann, *Aspects of twistor geometry and supersymmetric field theories within superstring theory*, Ph.D. Thesis, hep-th/0603098.
246. M. Burić, T. Grammatikopoulos, J. Madore and G. Zoupanos, *Gravity and the structure of noncommutative algebras*, JHEP **0604**, 054 (2006).
247. P. Aschieri, M. Dimitrijević, F. Meyer, S. Schraml and J. Wess, *Twisted Gauge Theories*, [hep-th/0603024].
248. A. P. Balachandran, T. R. Govindarajan, K. S. Gupta and S. Kurkuoglu, *Noncommutative two dimensional gravities*, hep-th/0602265.
249. D. V. Vassilevich, *Twist to close*, hep-th/0602185.
250. A. Stern, *Non-constant non-commutativity in 2D field theories and a new look at fuzzy monopoles*, Nucl. Phys. **B745**, 236-259 (2006).
251. G. Landi and Walter van Suijlekom, *Noncommutative instantons from twisted conformal symmetries*, math.qa/0601554.
252. G. Sardanashvily, *Gauge gravitation theory from the geometric viewpoint*, gr-qc/0512115.
253. B. M. Zupnik, *Reality in noncommutative gravity*, hep-th/0512231.
254. T. Morita, *Super Yang-Mills theory from a supermatrix model*, hep-th/0512103.
255. A. H. Chamseddine, *Applications of the gauge principle to gravitational interactions*, to be published in a special issue in honor of R. Utiyama entitled 'Gauge, Quantum and Generalized Gravitation Theories', February 2006, Int. J. Geom. Meth. Mod. Phys. **3**, 149-176 (2006).
256. A. Pinzul and A. Stern, *Noncommutative AdS^{*3} with quantized cosmological constant*, Class. Quant. Grav. **23**, 1009 (2006).
257. P. A. Grassi, *$N = 2$ superparticles, RR fields and noncommutative structures of (super)-spacetime*, lectures given at International School of Subnuclear Physics: 43rd Course: Towards New Milestones in our Quest to go Beyond the Standard Model, Erice, Sicily, Italy, 29. Aug-7. Sep 2005, hep-th/0511015.

258. F. Meyer, *Noncommutative spaces and gravity*, talk given at 28th Spanish Relativity Meeting (ERE05): A Century of Relativity Physics, Oviedo, Asturias, Spain, 6-10 Sep 2005, hep-th/0510188.
259. J. Lukierski and M. Woronowicz, *New Lie-algebraic and quadratic deformations of Minkowski space from twisted Poincare symmetries*, Phys. Lett. B **633**, 116-124 (2006).
- P. Aschieri, M. Dimitrijević, F. Meyer, S. Schraml and J. Wess, *Twisted Gauge Theories*, Lett. Math. Phys. **78**, 61-71 (2006), citiran je u sledećim radovima:
 1. A. Crespo-Hernandez, E.A. Mena-Barboza, M. Sabido, *On the Entropy of Deformed Phase Space Black Hole and the Cosmological Constant*, Entropy **19** (2017) 91.
 2. P. Aschieri, *Deformation quantization of principal bundles*, Int. J. Geom. Meth. Mod. Phys. **13** (2016) no.08, 1630010.
 3. A. Borowiec, A. Pachol, *Twisted bialgebroids versus bialgebroids from a Drinfeld twist*, J. Phys. A **50** (2017) no.5, 055205.
 4. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
 5. Stijn J. van Tongeren, *Yang-Baxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
 6. Tiago Carlos Adorno de Freitas, *Efeitos clssicos e qunticos em teorias no comutativas (In Portuguese) Quantum and classical effects in noncommutative theories*, PhD Thesis 2014. 70 pp. <http://www.teses.usp.br/teses/disponiveis/43/43134/tde-27032013-140230/en.php>
 7. A. Borowiec, A. Pachol, *kappa-Deformations and Extended kappa-Minkowski Spacetimes*, SIGMA **10** (2014) 107.
 8. J. Liang, Yan-Chun Liu, Q. Zhu, *Thermodynamics of noncommutative geometry inspired black holes based on Maxwell-Boltzmann smeared mass distribution*, Chin. Phys. C **38** (2014) 025101.
 9. T. Juric, S. Meljanac, R. Strajn, *Universal kappa-Poincar covariant differential calculus over kappa-Minkowski space*, Int. J. Mod. Phys. A **29** (2014) 1450121.
 10. D. Mylonas, P. Schupp, R. J. Szabo, *Non-Geometric Fluxes, Quasi-Hopf Twist Deformations and Nonassociative Quantum Mechanics*, J. Math. Phys. **55** (2014) 122301.
 11. A.F. Ferrari, M. Gomes, V.G. Kupriyanov, C.A. Stechhahn, *Dynamics of a Dirac Fermion in the presence of spin noncommutativity*, Phys. Lett. B **718** (2013) 1475-1480.
 12. G. Fiore, *Learning from Julius' star*, Int. J. Mod. Phys. Conf. Ser. **13** (2012) 86-97.
 13. A. Pachol, *Kappa-Minkowski spacetime: Mathematical formalism and applications in Planck scale physics*, PhD Thesis 2011. arXiv:1112.5366 [math-ph].
 14. T.C. Adorno, D.M. Gitman, A.E. Shabad, D.V. Vassilevich, *Classical Noncommutative Electrodynamics with External Source*, Phys. Rev. D **84** (2011) 065003.
 15. T.C. Adorno, D.M. Gitman, A.E. Shabad, D.V. Vassilevich, *Noncommutative magnetic moment of charged particles*, Phys. Rev. D **84** (2011) 085031.
 16. E. Akofof, *Quantum Theory, Noncommutativity and Heuristics*, arXiv:1012.5133 [hep-th].
 17. A.P. Balachandran, A. Ibort, G. Marmo, M. Martone, *Covariant Quantum Fields on Noncommutative Spacetimes*, JHEP **1103** (2011) 057.
 18. C. Castro, *On n-ary algebras, Branes and Polyvector Gauge Theories in Noncommutative Clifford spaces*, J. Phys. A **43** (2010) 365201.
 19. S. Samanta, *Theories on noncommutative spaces and deformed symmetries*, arXiv:1006.1039 [hep-th].
 20. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetimes and DSR algebras: Fresh look and old problems*, SIGMA **6** (2010) 086.

21. D. N. Blaschke, E. Kronberger, R. I.P. Sedmik, M. Wohlgenannt, *Gauge Theories on Deformed Spaces*, SIGMA 6 (2010) 062.
22. G. Zet, *Gauge theories on noncommutative space-time*, Ann. U. Craiova Phys. 18 (2008) 106-119.
23. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *(Non)Renormalizability of the D-Deformed Wess-Zumino Model*, Phys. Rev. D81 (2010) 105020.
24. D.V. Vassilevich, *Tensor calculus on noncommutative spaces*, Class. Quant. Grav. 27 (2010) 095020.
25. R. Banerjee, S. Gangopadhyay, S. K. Modak, *Voros product, Noncommutative Schwarzschild Black Hole and Corrected Area Law*, Phys. Lett. B686 (2010) 181-187.
26. S. Saxell, *Quantum Space-Time and Noncommutative Gauge Field Theories*, arXiv:0909.1669 [hep-th].
27. R. Banerjee, B. Chakraborty, S. Ghosh, P. Mukherjee, S. Samanta, *Topics in Noncommutative Geometry Inspired Physics*, Found. Phys. 39 (2009) 1297-1345.
28. A. Kobakhidze, *Diffeomorphism-invariant noncommutative gravity with twisted local Lorentz invariance*, Electron. J. Theor. Phys. 7N24 (2010) 163-170.
29. M. Chaichian, A. Tureanu, G. Zet, *Gauge field theories with covariant star-product*, JHEP 0907 (2009) 084.
30. D.V. Vassilevich, *Diffeomorphism covariant star products and noncommutative gravity*, Class. Quant. Grav. 26 (2009) 145010.
31. A.P. Balachandran, B.A. Qureshi, *Poincare Quasi-Hopf Symmetry and Non-Associative Spacetime Algebra from Twisted Gauge Theories*, Phys. Rev. D81 (2010) 065006.
32. P. Aschieri, L. Castellani, *Noncommutative D=4 gravity coupled to fermions*, JHEP 0906 (2009) 086.
33. A.P. Balachandran, M. Martone, *Space-time from Symmetry: The Moyal Plane from the Poincare-Hopf Algebra*, Mod. Phys. Lett. A24 (2009) 1811-1821.
34. M. Dimitrijevic, V. Radovanovic, *D-deformed Wess-Zumino model and its renormalizability properties*, JHEP 0904 (2009) 108.
35. D. V. Vassilevich, *Towards noncommutative gravity*, arXiv:0902.0767 [hep-th].
36. A.P. Balachandran, T.R. Govindarajan, S. Vaidya, *Spontaneous Symmetry Breaking in Twisted Noncommutative Quantum Theories*, Phys. Rev. D 79 (2009) 105020.
37. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field theory on nonanticommutative superspace*, Fortsch. Phys. 56 (2008) 418-423.
38. A. Borowiec, A. Pachol, *Kappa-Minkowski spacetime as the result of Jordanian twist deformation*, Phys. Rev. D 79 (2009) 045012.
39. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Covariant noncommutative field theory*, AIP Conf.Proc. 1026 (2008) 20-29.
40. S. Estrada-Jimenez, H. Garcia-Compean, O. Obregon, C. Ramirez, *Twisted Covariant Noncommutative Self-dual Gravity*, Phys. Rev. D 78 (2008) 124008.
41. M. Rosenbaum, J.D. Vergara, L.R. Juarez, *Space-Time Diffeomorphisms in Noncommutative Gauge Theories*, SIGMA 4 (2010) 055.
42. M. Chaichian, K. Nishijima, T. Salminen, A. Tureanu, *Noncommutative Quantum Field Theory: A Confrontation of Symmetries*, JHEP 0806 (2008) 078.
43. E. Akofer, A.P. Balachandran, A. Joseph, *Quantum Fields on the Groenewold-Moyal Plane*, Int. J. Mod. Phys. A 23 (2008) 1637-1677.
44. P. Aschieri, L. Castellani, M. Dimitrijevic, *Dynamical noncommutativity and Noether theorem in twisted $\phi^{***}4$ theory*, Lett. Math. Phys. 85 (2008) 39-53.
45. A. Borowiec, J. Lukierski, V.N. Tolstoy, *New twisted quantum deformations of D=4 super-Poincare algebra*, to appear in the proceedings of Conference: C07-07-30.5 arXiv:0803.4167 [hep-th].

46. A. Duenas-Vidal, M. A. Vazquez-Mozo, *Twisted invariances of noncommutative gauge theories*, Phys. Lett. B **668** (2008) 57-62.
47. P. Bertozzini, R. Conti, W. Lewkeeratiyutkul, *Non-Commutative Geometry, Categories and Quantum Physics*, East West J. Math. 2007 (2007) S213-S259.
48. P. Aschieri, *Symmetries, covariant derivatives and gravity on noncommutative spacetime*, Prog. Theor. Phys. Suppl. **171** (2007) 11-22.
49. J. Wess, *Deformed gravity*, Prog. Theor. Phys. Suppl. **171** (2007) 1-10.
50. D.V. Vassilevich, *Symmetries in noncommutative field theories: Hopf versus Lie*, Sao Paulo J. Math. Sci. **4** (2010) 121-133.
51. M. Buric, D. Latas, V. Radovanovic, J. Trampetic, *The Absence of the χ psi divergence in noncommutative chiral models*, Phys. Rev. D **77** (2008) 045031.
52. G. Esposito-Farese, *Summary of session A4 at the GRG18 conference: Alternative Theories of Gravity*, Class. Quant. Grav. **25** (2008) 114017.
53. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field Theory on Nonanticommutative Superspace*, JHEP 0712 (2007) 059.
54. A.P. Balachandran, A. Pinzul, B.A. Qureshi, *Twisted Poincare Invariant Quantum Field Theories*, Phys. Rev. D **77** (2008) 025021.
55. A.P. Balachandran, A. Pinzul, B.A. Qureshi, S. Vaidya, *Twisted Gauge and Gravity Theories on the Groenewold-Moyal Plane*, Phys. Rev. D **76** (2007) 105025.
56. A. Tureanu, *Twisted Poincare Symmetry and Some Implications on Noncommutative Quantum Field Theory*, Prog. Theor. Phys. Suppl. **171** (2007) 34-41.
57. C. Chrissyomalakos, E. Okon, *Star product and invariant integration for Lie type noncommutative spacetimes*, JHEP **0708** (2007) 012.
58. G. Fiore, *q -Deformed $su(2)$ instantons by q -quaternions*, JHEP **02**, 010 (2007), [hep-th/0702073].
59. M. Riccardi, R. J. Szabo, *Wilson Loops and Area-Preserving Diffeomorphisms in Twisted Noncommutative Gauge Theory*, hep-th/0701273.
60. S. Giller, C. Gonera, P. Kosinski, P. Maslanka, *On the Consistency of Twisted Gauge Theory*, hep-th/0701014.
61. R. Banerjee, S. Samanta, *Gauge Symmetries on θ -Deformed Spaces*, hep-th/0611249.
62. J. Bu, H. Kim, Y. Lee, C. H. Vac, J. H. Yee, *kappa-deformed Spacetime From Twist*, hep-th/0611175.
63. J. Wess, *Einstein-Riemann Gravity on Deformed Spaces*, contribution to the Proc. of the O’Raifeartaigh Symposium on Non-Perturbative and Symmetry Methods in Field Theory (June 2006, Budapest, Hungary), hep-th/0611025.
64. R. Banerjee, S. Samanta, *Gauge Generators, Transformations and Identities on a Noncommutative Space*, hep-th/0608214.
65. A. P. Balachandran, B. A. Qureshi, A. Pinzul, S. Vaidya, *Poincare Invariant Gauge and Gravity Theories on the Groenewold-Moyal Plane*, hep-th/0608138.
66. J. Wess, *Deformed Gauge Theories*, lectures given at Workshop on Noncommutative Geometry in Field and String Theories, Corfu, Greece, 18-20 Sep 2005, hep-th/0608135.
67. A. Strelchenko, *Heat kernel of non-minimal gauge field kinetic operators on Moyal plane*, hep-th/0608134.
68. J. Wess, *Differential calculus and gauge transformations on a deformed space*, to appear in General Relativity and Gravitation Journal, Obregon’s Festschrift 2006, hep-th/0607251.
69. M. Chaichian, A. Tureanu, G. Zet, *Twist as a Symmetry Principle and the Noncommutative Gauge Theory Formulation*, hep-th/0607179.
70. M. Irisawa, Y. Kobayashi, S. Sasaki, *Drinfeld Twisted Superconformal Algebra and Structure of Unbroken Symmetries*, hep-th/0606207.
71. S. Kurcuoglu, C. Saemann, *Drinfeld Twist and General Relativity with Fuzzy Spaces*, Class. Quant. Grav. **24**, 291 (2007), [hep-th/0606197].

72. L. Alvarez-Gaume, F. Meyer and M. A. Vazquez-Mozo, *Comments on noncommutative gravity*, hep-th/0605113.
73. J. M. Gracia-Bondia, F. Lizzi, F. Ruiz-Ruiz and Patrizia Vitale, *Noncommutative spacetime symmetries: Twist versus covariance*, hep-th/0604206.
74. D. Grumiller and R. Meyer, *Ramifications of lineland*, to appear in the proceedings of 5th Workshop on Quantization, Dualities and Integrable Systems, Denizli, Turkey, 23-27 Jan 2006, hep-th/0604049.
75. M. Chaichian and A. Tureanu, *Twist Symmetry and Gauge Invariance*, Phys. Lett. B **637**, 199-202 (2006).
76. Jong-Geon Bu, Hyeong-Chan Kim, Youngone Lee, Chang Hyon Vac and Jae Hyung Yee, *Noncommutative Field Theory from twisted Fock space*, Phys. Rev. D **73**, 125001 (2006).
- M. Dimitrijević, V. Radovanović and J. Wess, *Field Theory on Nonanticommutative Superspace*, JHEP **0712** 059, (2007), citiran je u sledećim radovima:
 1. Seyed Shams Sajadi, G.R. Boroun, *Phenomenological study of the $W(+)W(-)$ scattering in the minimal noncommutative standard model*, EPL **119** (2017) no.3, 31002.
 2. C. Palechor, A.F. Ferrari, A.G. Quinto, *Twisted Supersymmetry in a Deformed Wess-Zumino Model in (2+1) Dimensions*, JHEP **1701** (2017) 049.
 3. Rodrigo Fresneda, *Alguns problemas de quantizao em teorias com fundos no-abelianos e em espaos-tempo no-comutativos (In Portuguese) Some problems of quantization in non-Abelian field theory and in non-commutative space-times*, PhD Thesis 2014. 71 pp.
<http://www.teses.usp.br/teses/disponiveis/43/43134/tde-26112008-111337/en.php>
 4. A. Borowiec, J. Lukierski, M.n Mozrzymas, V.N. Tolstoy, *$N = 1/2$ Deformations of Chiral Superspaces from New Twisted Poincare and Euclidean Superalgebras*, JHEP **1206** (2012) 154.
 5. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83** (2011) 065010.
 6. P. G. Castro, *Hopf Algebras in Deformed Quantum Theories*, arXiv:1012.1815 [hep-th].
 7. B. Nikolic, B. Sazdovic, *Noncommutativity relations in type IIB theory and their supersymmetry*, JHEP **1008** (2010) 037.
 8. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *(Non)Renormalizability of the D-Deformed Wess-Zumino Model*, Phys. Rev. D **81** (2010) 105020.
 9. P.G. Castro, B. Chakraborty, Z. Kuznetsova, F. Toppan, *Twist Deformations of the Supersymmetric Quantum Mechanics*, Central Eur. J. Phys. **9** (2011) 841-851.
 10. M. Dimitrijevic, V. Radovanovic, *D-deformed Wess-Zumino model and its renormalizability properties*, JHEP **0904** (2009) 108.
 11. M. Dimitrijevic, V. Radovanovic, J. Wess, *Field theory on nonanticommutative superspace*, Fortsch. Phys. **56** (2008) 418-423.
 12. C.P. Martin, C. Tamarit, *The Seiberg-Witten map and supersymmetry*, JHEP **0811** (2008) 087.
 13. S. Arianos, A. D'Adda, A. Feo, N. Kawamoto, J. Saito, *Matrix formulation of superspace on 1D lattice with two supercharges*, Int. J. Mod. Phys. A **24** (2009) 4737-4768.
 14. R. Fresneda, D.M. Gitman, D.V. Vassilevich, *Nilpotent noncommutativity and renormalization*, Phys. Rev. D **78** (2008) 025004.
 - P. Aschieri, L. Castellani and M. Dimitrijević, *Dynamical noncommutativity and Noether theorem in twisted Φ_{\star}^4 theory*, Lett. Math. Phys. **85**, 39 (2008), citiran je u sledećim radovima:

1. M. Dimitrijevic Ciric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.
 2. E. Baloitcha, V. Lahoche, D. Ousmane Samary, *Energy momentum tensor for translation invariant renormalizable noncommutative field theory*, arXiv:1707.05070.
 3. P. Aschieri, A. Borowiec, A. Pachol, *Observables and dispersion relations in kappa-Minkowski spacetime*, JHEP **1710** (2017) 152.
 4. L. Castellani, *Chern-Simons supergravities, with a twist*, JHEP **1307** (2013) 1331.
 5. P. Aschieri, L. Castellani, *Extended gravity theories from dynamical noncommutativity*, Gen. Rel. Grav. **45** (2013) 411-426.
 6. P. Aschieri, L. Castellani, *Noncommutative gauge fields coupled to noncommutative gravity*, Gen. Rel. Grav. **45** (2013) 581-598.
 7. D. O. Samary, M. N. Hounkonnou, E. Baloitcha, *On the harmonic oscillator properties in a twisted Moyal plane*, arXiv:1203.4278 [math-ph].
 8. P. Aschieri, L. Castellani, *Noncommutative gravity coupled to fermions: second order expansion via Seiberg-Witten map*, JHEP **1207** (2012) 184.
 9. A. Pinzul, *UV/IR mixing as a twisted Poincaré anomaly*, J. Phys. A **45** (2012) 075401.
 10. M.N. Hounkonnou, D.O. Samary, *Twisted YangMills field theory: connections and Noether currents*, J. Phys. A **44** (2011) 315401.
 11. L. Castellani, *Noncommutative supergravity*, PoS CNCFG2010 (2010) 013.
 12. M. N. Hounkonnou, D. O. Samary, *Harmonic oscillator in twisted Moyal plane: eigenvalue problem and relevant properties*, J. Math. Phys. **51** (2010) 102108.
 13. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83** (2011) 065010.
 14. I. Cortese, J.A. Garcia, *A Note on the implementation of Poincare symmetry in noncommutative field theory*, Int. J. Mod. Phys. A **25** (2010) 5747-5764.
 15. A. Kobakhidze, *Diffeomorphism-invariant noncommutative gravity with twisted local Lorentz invariance*, Electron. J. Theor. Phys. **7N24** (2010) 163-170.
 16. P. Martinetti, *Line element in quantum gravity: The Examples of DSR and noncommutative geometry*, Int. J. Mod. Phys. A **24** (2009) 2792-2801.
 17. P. Aschieri, L. Castellani, *Noncommutative supergravity in $D=3$ and $D=4$* , JHEP **0906** (2009) 087.
 18. T. Ohl, A. Schenkel, *Symmetry Reduction in Twisted Noncommutative Gravity with Applications to Cosmology and Black Holes*, JHEP **0901** (2009) 084.
 19. S. Arianos, A. D'Adda, A. Feo, N. Kawamoto, *Matrix formulation of superspace on 1D lattice with two supercharges*, Int. J. Mod. Phys. A **24** (2009) 4737-4768.
- M. Dimitrijević and V. Radovanović, *D-deformed Wess-Zumino model and its renormalizability properties*, JHEP **0904** 108, 25 pages (2009), citiran je u sledećim radovima:
 1. A.F. Ferrari, A.C. Lehum, *$CP(N1)$ model in aether-superspace*, arXiv:1712.02650.
 2. C. Palechor, A.F. Ferrari, A.G. Quinto, *Twisted Supersymmetry in a Deformed Wess-Zumino Model in $(2+1)$ Dimensions*, JHEP **1701** (2017) 049.
 3. A.F. Kord, M. Haddadi Moghaddam, *Comments on the role of field redefinition on renormalisation of $N = 12$ supersymmetric pure gauge theory*, Nucl. Phys. B **881** (2014) 539-560.
 4. A. Borowiec, J. Lukierski, M.n Mozrzymas, V.N. Tolstoy, *$N = 1/2$ Deformations of Chiral Superspaces from New Twisted Poincare and Euclidean Superalgebras*, JHEP **1206** (2012) 154.

5. B. Nikolic, B. Sazdovic, *Fermionic T-duality and momenta noncommutativity*, Phys. Rev. D **84** (2011) 065012.
 6. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83** (2011) 065010.
 7. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *(Non)Renormalizability of the D-Deformed Wess-Zumino Model*, Phys. Rev. D **81** (2010) 105020.
- M. Dimitrijević, B. Nikolić and V. Radovanović, *(Non)renormalizability of the D-deformed Wess-Zumino model*, Phys. Rev. D **81**, 105020-105032 (2010), citiran je u sledećim radovima:
 1. C. Palechor, A.F. Ferrari, A.G. Quinto, *Twisted Supersymmetry in a Deformed Wess-Zumino Model in (2+1) Dimensions*, JHEP **1701** (2017) 049.
 2. Yan-Gang Miao, Xu-Dong Wang, *All-Loop Renormalizable Wess-Zumino Model on Bosonic-Fermionic Noncommutative Superspace*, Phys. Rev. D **91** (2015) no.2, 025016.
 3. Yan-Gang Miao, Xu-Dong Wang, *One-loop renormalizable Wess-Zumino model on a bosonic-fermionic noncommutative superspace*, Phys. Rev. D **90** (2014) no.4, 045036.
 4. B. Nikolic, B. Sazdovic, *Fermionic T-duality and momenta noncommutativity*, Phys. Rev. D **84** (2011) 065012.
 5. M. Dimitrijevic, B. Nikolic, V. Radovanovic, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83** (2011) 065010.
 - M. Dimitrijević, B. Nikolić and V. Radovanović, *Twisted SUSY: Twisted symmetry versus renormalizability*, Phys. Rev. D **83**, 065010 (2011), citiran je u sledećim radovima:
 1. C. Palechor, A.F. Ferrari, A.G. Quinto, *Twisted Supersymmetry in a Deformed Wess-Zumino Model in (2+1) Dimensions*, JHEP **1701** (2017) 049.
 2. A.F. Ferrari, A.C. Lehum, *CP(N1) model in aether-superspace*, arXiv:1712.02650.
 3. B. Nikolic, B. Sazdovic, *Fermionic T-duality and momenta noncommutativity*, Phys. Rev. D **84** (2011) 065012.
 - M. Dimitrijević and L. Jonke, *A Twisted look on kappa-Minkowski: U(1) gauge theory*, JHEP **1112**, 080 (2011), citiran je u sledećim radovima:
 1. R. Blumenhagen, I. Brunner, V. Kupriyanov, D. Lust, *Bootstrapping Non-commutative Gauge Theories from L_∞ algebras*, arXiv:1803.00732.
 2. M. Dimitrijevic Ciric, N. Konjik, A. Samsarov, *Noncommutative Scalar Quasinormal Modes of the Reissner Nordström Black Hole*, arXiv:1708.04066.
 3. C.F. Farias, Edilberto O. Silva, *Solution of the kappa-deformed Dirac equation with scalar, vector and tensor interactions in the context of pseudospin and spin symmetries*, arXiv:1704.04847.
 4. T. Juric, S. Meljanac, A. Samsarov, *Twist deformations leading to kappa-Poincar Hopf algebra and their application to physics*, J. Phys. Conf. Ser. **670** (2016) no.1, 012027.
 5. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.

6. F. M. Andrade, E. O. Silva, *The 2D kappa-Dirac oscillator*, Phys. Lett. B **738** (2014) 44-47.
7. M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014).
8. F.M. Andrade, E.O. Silva, M.M. Ferreira, E.C. Rodrigues, *On the kappa-Dirac Oscillator revisited*, Phys. Lett. B **731** (2014) 327-330.
9. T. Juric, S. Meljanac, R. Strajn, *Universal kappa-Poincar covariant differential calculus over kappa-Minkowski space*, Int. J. Mod. Phys. A **29** (2014) 1450121.
10. A. Schenkel, C. F. Uhlemann, *Dirac Operators on Noncommutative Curved Spacetimes*, SIGMA **9** (2013) 080.
11. E. Beggs, R. Makki, *The Majid-Ruegg model and the Planck scales*, arXiv:1306.4518.
12. A. Pachol, *Short review on noncommutative spacetimes*, J. Phys. Conf. Ser. **442** (2013) 012039.
13. T. Juric, S. Meljanac, R. Strajn, *Differential forms and k-Minkowski spacetime from extended twist*, Eur. Phys. J. C **73** (2013) 2472.
14. S. Meljanac, A. Samsarov, R. Strajn, *Kappa-deformation of Heisenberg algebra and coalgebra: generalized Poincare algebras and R-matrix*, JHEP **1208** (2012) 127.
15. S. Meljanac, S. Kresic-Juric, R. Strajn, *Differential algebras on kappa-Minkowski space and action of the Lorentz algebra*, Int. J. Mod. Phys. A **27** (2012) 1250057.
16. D. Kovacevic, S. Meljanac, A. Pachol, R. Strajn, *Generalized Poincare algebras, Hopf algebras and kappa-Minkowski spacetime*, Phys. Lett. B **711** (2012) 122-127.
17. M. Dimitrijevic, L. Jonke, *Gauge theory on kappa-Minkowski revisited: The Twist approach*, J. Phys. Conf. Ser. **343** (2012) 012049.

- M. Dimitrijević, V. Radovanović and H. Štefančić, *AdS-inspired noncommutative gravity on the Moyal plane*, Phys. Rev. D **86**, 105041 (2012), citiran je u sledećim radovima:

1. M. Dimitrijevic Ćiric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.
2. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC $SO(2,3)$ model*, Eur. Phys. J. C **78** (2018) no.3, 195.
3. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC $SO(2,3)_*$ gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).
4. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
5. M. Dimitrijević Ćirić and V. Radovanović, *Noncommutative Gravity Via $So(2,3)$ Noncommutative Gauge Theory*, Rom. Journal of Physics **61**, 1-2 (2016).
6. R. Horvat, J. Trampetic, Jiangyang You, *Photon self-interaction on deformed spacetime*, Phys. Rev. D **92** (2015) no.12, 125006.
7. P. Aschieri, L. Castellani, *Noncommutative Chern-Simons gauge and gravity theories and their geometric Seiberg-Witten map*, JHEP **1411** (2014) 103.
8. M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2,3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).
9. L. Castellani, *Chern-Simons supergravities, with a twist*, JHEP **1307** (2013) 1331.
10. L. Castellani, *$OSp(1|4)$ supergravity and its noncommutative extension*, Phys. Rev. D **88** (2013).
11. E. Di Grezia, G. Esposito, M. Figliolia, P. Vitale, *The Seiberg-Witten map for non-commutative pure gravity and vacuum Maxwell theory*, Int. J. Geom. Meth. Mod. Phys. **10** (2013) 1350023.

- M. Burić, M. Dimitrijević, V. Radovanović and M. Wohlgenannt, *Quantization of a gauge theory on a curved noncommutative space*, Phys. Rev. D **86**, 105024 (2012), citiran je u sledećim radovima:
 1. M. Buric, L. Nenadovic, D. Prekrat, *One-loop structure of the $U(1)$ gauge model on the truncated Heisenberg space*, Eur. Phys. J. C **76** (2016) no.12, 672.
 2. M. Nakamura, *Alternative Approach to Noncommutative Quantum Mechanics on a Curved Space*, arXiv:1512.00143.
 3. M. Buric, J. Madore, L. Nenadovic, *Spinors on a curved noncommutative space: coupling to torsion and the GrossNeveu model*, Class. Quant. Grav. **32** (2015) no.18, 185018.

- P. Aschieri, L. Castellani and M. Dimitrijević, *Noncommutative gravity at second order via Seiberg-Witten map*, Phys. Rev. D **87**, 024017 (2013), citiran je u sledećim radovima:
 1. M. Dimitrijevic Ciric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.
 2. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC $SO(2,3)$ model*, Eur. Phys. J. C **78** (2018) no.3, 195.
 3. M. Dimitrijevic Ciric, N. Konjik, A. Samsarov, *Noncommutative Scalar Quasinormal Modes of the Reissner Nordström Black Hole*, arXiv:1708.04066.
 4. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
 5. M. Dimitrijević Ćirić and V. Radovanović, *Noncommutative Gravity Via $So(2,3)$ Noncommutative Gauge Theory*, Rom. Journal of Physics **61**, 1-2 (2016).
 6. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
 7. M. Dobrski, *Background independent noncommutative gravity from Fedosov quantization of endomorphism bundle*, Class. Quant. Grav. **34** (2017) no.7, 075004.
 8. R. Horvat, J. Trampetic, Jiangyang You, *Photon self-interaction on deformed spacetime*, Phys. Rev. D **92** (2015) no.12, 125006.
 9. R. Horvat, J. Trampetic, Jiangyang You, *Photon polarization tensor on deformed spacetime: A four-photon-tadpole contribution*, PoS CORFU2015 (2016) 121.
 10. C.P. Martin, David G. Navarro, *The hybrid Seiberg-Witten map, its theta-exact expansion and the antifield formalism*, Phys. Rev. D **92** (2015) no.6, 065026.
 11. L. Castellani, *Twisted Chern-Simons supergravity*, Fortsch. Phys. **62** (2014) 812-819.
 12. P. Aschieri, L. Castellani, *Noncommutative Chern-Simons gauge and gravity theories and their geometric Seiberg-Witten map*, JHEP **1411** (2014) 103.
 13. M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2,3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014).
 14. M. Dimitrijevic, V. Radovanovic, *$SO(2,3)$ noncommutative gravity model*, Phys. Part. Nucl. Lett. **11** (2014) no.7, 920-923.
 15. E. Di Grezia, G. Esposito, P. Vitale, *Self-dual road to noncommutative gravity with twist: a new analysis*, Phys. Rev. D **89** (2014) no.6, 064039, Erratum: Phys. Rev. D **90** (2014) no.12, 129901.
 16. L. Castellani, *Chern-Simons supergravities, with a twist*, JHEP **1307** (2013) 1331.
 17. L. Castellani, *$OSp(1|4)$ supergravity and its noncommutative extension*, Phys. Rev. D **88** (2013).
 18. E. Di Grezia, G. Esposito, M. Figliolia, P. Vitale, *The Seiberg-Witten map for non-commutative pure gravity and vacuum Maxwell theory*, Int. J. Geom. Meth. Mod. Phys. **10** (2013) 1350023.

19. M. Dimitrijević, V. Radovanović, H. Stefančić, *AdS-inspired noncommutative gravity on the Moyal plane*, Phys. Rev. D **86**, 105041 (2012).
- M. Dimitrijević, L. Jonke and A. Pachol, *Gauge Theory on Twisted κ -Minkowski: Old Problems and Possible Solutions*, SIGMA **10**, 063 (2014), citiran je u sledećim radovima:
 1. T. Poulain, J. -C. Wallet, *Kappa-Poincar invariant quantum field theories with KMS weight*, arXiv:1801.02715.
 2. J. Kowalski-Glikman, *A short introduction to kappa-deformation*, Int. J. Mod. Phys. A **32** (2017) no.35, 1730026.
 3. M. Dimitrijevic Ciric, N. Konjik, A. Samsarov, *Noncommutative Scalar Quasinormal Modes of the Reissner Nordström Black Hole*, arXiv:1708.04066.
 4. T. Araujo, I. Bakhmatov, E. O Colgain, Jun-ichi Sakamoto, M. M. Sheikh-Jabbari, K. Yoshida, *Conformal Twists, Yang-Baxter sigma-models & Holographic Noncommutativity*, arXiv:1705.02063.
 5. S. J. van Tongeren, *Almost abelian twists and AdS/CFT*, Phys. Lett. B **765** (2017) 344-351.
 6. T. Juric, S. Meljanac, A. Samsarov, *Twist deformations leading to kappa-Poincar Hopf algebra and their application to physics*, J. Phys. Conf. Ser. **670** (2016) no.1, 012027.
 7. S. Meljanac, A. Pachol, D. Pikutic, *Twisted conformal algebra related to kappa-Minkowski space*, Phys. Rev. D **92** (2015) no.10, 105015.
 8. Stijn J. van Tongeren, *YangBaxter deformations, AdS/CFT, and twist-noncommutative gauge theory*, Nucl. Phys. B **904** (2016) 148-175.
 - M. Dimitrijević and V. Radovanović, *Noncommutative $SO(2,3)$ gauge theory and noncommutative gravity*, Phys. Rev. D **89**, 125021 (2014), citiran je u sledećim radovima:
 1. M. Dimitrijevic Ciric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.
 2. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC $SO(2,3)$ model*, Eur. Phys. J. C **78** (2018) no.3, 195.
 3. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC $SO(2,3)_*$ gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).
 4. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
 5. M. Dimitrijević Ćirić and V. Radovanović, *Noncommutative Gravity Via $So(2,3)$ Noncommutative Gauge Theory*, Rom. Journal of Physics **61**, 1-2 (2016).
 6. C. Castro, *Moyal deformations of Clifford gauge theories of gravity*, Int. J. Geom. Meth. Mod. Phys. **13** (2015) no.02, 1650018.
 7. M. Dobrski, *Background independent noncommutative gravity from Fedosov quantization of endomorphism bundle*, Class. Quant. Grav. **34** (2017) no.7, 075004.
 8. R. Horvat, J. Trampetic, Jiangyang You, *Photon self-interaction on deformed spacetime*, Phys. Rev. D **92** (2015) no.12, 125006.
 9. C.P. Martin, David G. Navarro, *The hybrid Seiberg-Witten map, its theta-exact expansion and the antifield formalism*, Phys. Rev. D **92** (2015) no.6, 065026.

10. P. Aschieri, L. Castellani, *Noncommutative Chern-Simons gauge and gravity theories and their geometric Seiberg-Witten map*, JHEP **1411** (2014) 103.
- E. Dobardžić, M. Dimitrijević, M. Milovanović, *Effective description of Chern insulators*, Phys. Rev. B **89**, 235424 (2014), citiran je u sledećim radovima:
 1. Ye, F., Marchetti, P.A., Su, Z.B., Yu, L., *Hall effect, edge states, and Haldane exclusion statistics in two-dimensional space*, Phys. Rev. B **92** (23), 235151.
 2. Jackson, T.S., Mller, G., Roy, R., *Geometric stability of topological lattice phases*, Nature Communications 6, 8629.
 3. Shapourian, H., Hughes, T.L., Ryu, S., *Viscoelastic response of topological tight-binding models in two and three dimensions*, Phys. Rev. B **92** (16), 165131.
 4. E. Dobardžić, M. Dimitrijević, M. Milovanović, *Generalized Bloch theorem and topological characterization*, Phys. Rev. B **91**, 125424 (2015).
 5. Parrikar, O., Hughes, T.L., Leigh, R.G., *Torsion, parity-odd response, and anomalies in topological states*, Phys. Rev. D **90** (10), 105004.
 - E. Dobardžić, M. Dimitrijević, M. Milovanović, *Generalized Bloch theorem and topological characterization*, Phys. Rev. B **91**, 125424 (2015), citiran je u sledećim radovima:
 1. Cook, A.M. , Fregoso, B.M. , De Juan, F., *Design principles for shift current photovoltaics*, (2017) Nature Communications 8, 14176.
 2. Lim, L.-K. , Fuchs, J.-N. , Montambaux, G., *Geometry of Bloch states probed by Stuckelberg interferometry*, Phys. Rev. A **92** (6), 063627 (2015).
 3. Andrijauskas, T. , Anisimovas, E. , Raiunas, M., *Three-level Haldane-like model on a dice optical lattice*, Phys. Rev. A **92** (3), 033617 (2015).
 - M. Milovanović, M. Dimitrijević Ćirić, V. Juričić, *Pairing instabilities of Dirac composite fermions*, Phys. Rev. B **94**, 115304 (2016), citiran je u sledećim radovima:
 1. Milovanovic, M. V., *Paired states in half-filled Landau levels*, PHYSICAL REVIEW B **95** 235304 (2017).
 2. Sodemann, Inti; Kimchi, Itamar; Wang, Chong; et al., *Composite fermion duality for half-filled multicomponent Landau levels*, PHYSICAL REVIEW B **95** 085135 (2017).
 3. Wang, Zhiqiang; Chakravarty, Sudip, *Pairing of particle-hole symmetric composite fermions in half-filled Landau level*, PHYSICAL REVIEW B **94** 165138 (2016).
 - M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017), citiran je u sledećim radovima:
 1. M. Dimitrijevic Ćiric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from $SO(2,3)$ Model of Noncommutative Gravity*, arXiv:1804.00608.

2. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC SO(2,3) model*, Eur. Phys. J. C **78** (2018) no.3, 195.
 3. G. Lambiase, G. Vilasi, A. Yoshioka, *Cosmological consequences of noncommutative gauge theories*, Class. Quant. Grav. **34** (2017) no.2, 025004.
 4. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC SO(2,3)_{*} gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017).
- M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *NC SO(2,3)_{*} gravity: noncommutativity as a source of curvature and torsion*, Phys. Rev. D **87**, 024017 (2017), citiran je u sledećim radovima:
 1. M. Dimitrijevic Ćiric, D. Gocanin, N. Konjik, V. Radovanovic, *Noncommutative Electrodynamics from SO(2,3)_{*} Model of Noncommutative Gravity*, arXiv:1804.00608.
 2. A. Chatzistavrakidis, L. Jonke, D. Jurman, G. Manolakos, P. Manousselis, G. Zoupanos, *Noncommutative Gauge Theory and Gravity in Three Dimensions*, arXiv:1802.07550.
 3. D. Gocanin, V. Radovanovic, *Dirac field and gravity in NC SO(2,3)_{*} model*, Eur. Phys. J. C **78** (2018) no.3, 195.
 4. M. Dimitrijevic Ćiric, N. Konjik, A. Samsarov, *Noncommutative Scalar Quasinormal Modes of the Reissner Nordström Black Hole*, arXiv:1708.04066.
 5. S. Kawamoto, K. Nagasaki, Wen-Yu Wen, *Charged rotating BTZ black holes in noncommutative spaces and torsion gravity*, Progress of Theoretical and Experimental Physics, Vol **2018**, Issue 4.
 6. M. Dimitrijević Ćirić, B. Nikolić and V. Radovanović, *Noncommutative gravity and the relevance of the theta-constant deformation*, EPL **118**, 2 (2017).
 - P. Aschieri, M. Dimitrijević Ćirić and R. Szabo, *Nonassociative differential geometry and gravity with non-geometric fluxes*, JHEP **1802**, 036 (2018), citiran je u sledećim radovima:
 1. Lu Huang, Juhua Chen, Yongjiu Wang, *Quasinormal modes and quantization of area/entropy for noncommutative BTZ black hole*, Eur. Phys. J. C **78** (2018) no.4, 299.
 2. R. J. Szabo, *Higher Quantum Geometry and Non-Geometric String Theory*, arXiv:1803.08861.
 3. A. Chatzistavrakidis, L. Jonke, Fech Scen Khoo, R. J. Szabo, *Double Field Theory and Membrane Sigma-Models*, arXiv:1802.07003.
 4. B. Nikolic, D. Obric, *Noncommutativity and nonassociativity of closed bosonic string on T-dual toroidal backgrounds*, Fortschritte der Physik (2018) 1800009.

Ukupno citata: **1110**

Ukupno citata bez autocitata (autora i koautora): **941**.