

ИНСТИТУТ ЗА ФИЗИКУ

ПРИМЉЕНО:		29. 12. 2023	
Рад.јед.	б р о ј	Арх.цифра	Прилог
0801	2167/1		

Molba
NAUČNOM VEĆU INSTITUTA ZA FIZIKU

Predmet: Zahtev za pokretanje postupka za reizbor u zvanje naučni saradnik

Molim Naučno veće Instituta za fiziku da u skladu sa Pravilnikom o postupku i načinu vrednovanja i kvantitativnom iskazivanju naučnoistraživačkih rezultata istraživača, pokrene postupak za moj reizbor u zvanje naučni saradnik.



Dr Dragan Lukić

УНИВЕРЗИТЕТ БЕОГРАД

ПРИМЉЕНО		
Поднош	Број	Датум
Molba		

Saglasnost rukovodioca laboratorije

1. Biografija
2. Pregled naučne aktivnosti
3. Elementi za kvalitativnu ocenu naučnog doprinosa
 - 3.1. Izabrani radovi u kojima je doprinos dr Dragana Lukića bio ključan
 - 3.1.1. Članstvo u uređivačkim odborima časopisa, uređivanje monografija, recenzije naučnih radova i projekata
 - 3.2. Angažovanost u razvoju uslova za naučni rad, obrazovanju i formiranju naučnih kadrova
 - 3.2.1. Pedagoški rad
 - 3.2.3. Međunarodna saradnja
 - 3.2.4. Organizacija naučnih skupova
 - 3.3. Organizacija naučnog rada
 - 3.3.1. Rukovođenje naučnim projektima, podprojektima i zadacima
 - 3.4. Kvalitet naučnih rezultata
 - 3.4.1. Uticajnost naučnih radova kandidata
 - 3.4.2. Ugled i uticajnost publikacija u kojima su objavljeni radovi kandidata
 - 3.4.3. Stepenn samostalnosti u naučnoistraživačkom radu i uloga u realizaciji radova u naučnim centrima u zemlji i inostranstvu
4. Elementi za kvantitativnu ocenu naučnog doprinosa
 - 4.1. Ostvareni rezultati u periodu nakon prethodnog izbora u zvanje
 - 4.2. Poređenje sa minimalnim kvantitativnim uslovima za izbor u zvanje naučni saradnik
 - 4.3. Citiranost
5. Spisak objavljenih radova po kategorijama
Magistratura i doktorat:
6. Citiranost prema Web of Science
7. Prilozi

Saglasnost rukovodioca laboratorije

Naučnom veću
Instituta za fiziku

ИНСТИТУТ ЗА ФИЗИКУ

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**Predmet: Mišljenje rukovodioca laboratorije o reizboru dr Dragana Lukića
u zvanje naučni saradnik**

Dr Dragan Lukić zaposlen je u Institutu za fiziku Beograd - institutu od nacionalnog značaja od 20. 12. 2019. godine i angazovan je u Laboratoriji za fotoakustiku. U laboratoriji radi na temama vezanim za razvoj eksperimentalnih fotoakustičkih postavki i na temama iz astrobiologije.

Od 1992 do 2019 radio je u Institutu za fiziku Beograd, na univerzitetu Tenesija Knoksvil, Kolumbija univerzitetu Njujork i na Agronomskom fakultetu Univerziteta u Kragujevcu. Objavio je više od 140 naučnih radova koji su citirani 429 puta (382 bez autocitata) sa $h=14$ prema Web of Science.

U ovom trenutku dr Dragan Lukić zadovoljava sve potrebne uslove za reizbor predviđene Pravilnikom o postupku i načinu vrednovanja i kvantitativnom iskazivanju naučnoistraživačkih rezultata istraživača Ministarstva nauke, tehnološkog razvoja i inovacija. Shodno svemu tome, saglasan sam za pokretanje postupak za reizbor dr *Dragana Lukića* u zvanje naučni saradnik,.

Za članove komisije predlažem:

1. dr Dragan Markušev, naučni savetnik Instituta za fiziku u Beogradu
2. dr Marica Popović, naučni saradnik Instituta za fiziku u Beogradu
3. prof dr Goran Poparić, redovni profesor Fizičkog fakulteta Univerziteta u Beogradu



Dr Dragan Markušev
Naučni savetnik Instituta za fiziku u Beogradu

1. Biografija Dr Dragan Lukić

Dragan (Velimira) Lukić je rođen u Čačku 6. 5. 1964 godine gde je završio osnovnu i srednju školu. Diplomirao je 1991. godine na Fizičkom fakultetu, Univerziteta u Beogradu, na smeru teorijska fizika radom "Kinematika binarnih nuklearnih reakcija" pod rukovodstvom dr Petra Adžića. Naučnu karijeru gradio je u Institutu za fiziku i na brojnim usavršavanjima u inostranstvu, prvenstveno u Sjedinjenim Američkim Državama.

U Institutu za fiziku u Zemunu radi od januara 1992. godine, najpre u Centru za atomsku i subatomsku fiziku na projektu *Binarni sudari atomskih čestica* zatim na projektu *Atomska i molekulska fizika: Eksperimentalna fizika sudara atomskih čestica*. Poslediplomske studije na grupi Eksperimentalna fizika atoma i molekula okončao je magistarskim radom "Efektivni preseki za jonizaciju molekula NO₂ i COS elektronima energije od praga do 1000 eV" pod rukovodstvom akademika dr Milana Kurepe, odbranjenim 1997. godine.

Krajem 1998 prelazi u Centar za eksperimentalnu fiziku na projekat *Niskotemperaturna plazma* pod rukovodstvom akademika dr Zorana Petrovića. Od septembra 1999. godine nalazi se na stručnom usavršavanju na Univerzitetu Tenesija, SAD gde radi pod rukovodstvom profesora dr Ivana Sellina na projektima finansiranim od strane Nacionalne Naučne Fondacije SAD.

Od jula 2001. godine je ponovo u Institutu za fiziku gde radi u Centru za eksperimentalnu fiziku pod rukovodstvom dr Brane Jelenkovića na projektu *Precizna laserska spektroskopija za primenu na optičke zamke, interferometriju i optičku metrologiju*.

Doktorirao je 28. 9. 2004 na Fizičkom fakultetu, Univerziteta u Beogradu sa doktorskom disertacijom "Eksperimentalno proučavanje autojonizacije i višestruke fotojonizacije atoma Li, Ne, Ar, Be i molekula N₂O". Mentor doktorske disertacije bio je profesor Dr Dragoljub Belić. Izabran je u zvanje naučni saradnik 2005. godine.

Od februara 2005. do avgusta 2007, nalazi se na postdoktorskom usavršavanju na Astrofizičkoj Laboratoriji Kolumbija Univerzitetu u Njujorku na projektu dr Danijela Savina finansiranom od strane NASA u saradnji sa istraživačkim grupama profesora *Dr. Alfred Müller* sa Gisen Univerziteta i profesora *Dr. Andreas Wolf* iz *Max Planck Institute for Nuclear Physics* (MPIK), u Hajdelbergu.

Od septembra 2007. godine je u Laboratoriji za optiku i lasere u Institutu za fiziku gde radi na projektu *Kvantna i optička interferometrija* pod rukovodstvom dr Brane Jelenkovića.

Od oktobra 2008. godine do januara 2011 predaje na Agronomskom fakultetu u Čačku, Univerziteta u Kragujevcu kao docent za nastavni predmet *Fizika sa Elektronikom*. Pored toga drži nastavu i vežbe iz predmeta *Informatika* kao i *Metodologiju naučnog rada* za postdiplomce.

Od 2011. godine do danas godine je u Centru za Fotoniku Instituta za fiziku. Izabran je u zvanje viši naučni saradnik 13 jula. 2011. godine. Izabran je u zvanje naučni saradnik 15. jula 2019. godine.

Član je Društva Fizičara Srbije i Optičkog Društva Srbije.

Saglasnost rukovodioca laboratorije

**Naučnom veću
Instituta za fiziku**

**Predmet: Mišljenje rukovodioca laboratorije o reizboru dr Dragana Lukića
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Za članove komisije predlažem:

1. dr Dragan Markušev, naučni savetnik Instituta za fiziku u Beogradu
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3. prof dr Goran Poparić, redovni profesor Fizičkog fakulteta Univerziteta u Beogradu

Dr Dragan Markušev
Naučni savetnik Instituta za fiziku u Beogradu

2. Pregled naučne aktivnosti

U periodu 1992-1995 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i Tehnologiju Republike Srbije "Binarni sudari atomskih čestica" (broj projekta E.0106), pod rukovodstvom dr Nade Đurić i profesora dr Milan Kurepe.

U periodu 1996-1998 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i tehnologiju Republike Srbije "Atomska i molekulska fizika: Eksperimentalna fizika sudara atomskih čestica" (projekat broj 01E02), pod rukovodstvom dr Bratislava Marinković. Objavio dva rada u međunarodnim časopisima i odbranio magistarsku tezu.

U periodu 1998 -1999 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i tehnologiju Republike Srbije "Fizika niskotemperaturne plazme", pod rukovodstvom dr Zorana Petrovića.

U periodu 1999-2001 godine učestvovao je na naučnim projektima U.S. NSF projekti PHY-9732159 i PHY-9986699 na Univerzitetu Tenesija Noksvil pod rukovodstvom dr Ivana Selina. Objavio 14 radova u međunarodnim časopisima u toku višegodisnje saradnje.

U periodu 2002-2005 učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i zaštitu sredine republike Srbije "Precizna laserska spektroskopija" (broj projekta 1443) pod rukovodstvom dr Branislava Jelenkovića. Objavio dva rada u međunarodnim časopisima. Odbranio doktorsku tezu.

U periodu 2005-2007 učestvovao je na naučnom projektu "New Low Temperature Dielectronic Recombination Rate Coefficients for Modeling Photoionized Cosmic Plasmas" (NASA Space Astrophysics Research and Analysis grant NAG5-5420) na Kolumbija univerzitetu pod rukovodstvom dr Daniel Savina. Objavio 6 radova u međunarodnim časopisima.

U periodu 2007- 2010 učestvuje u projektu "Kvantna i optička interferometrija" (broj projekta 141003) finansiranom od Ministarstva nauke Republike Srbije pod rukovodstvom dr Branislava Jelenkovića.

U period 2007- 2009 učestvuje u projektu "Reinforcing research center for quantum and optical metrology", CORDIS FP6 project (acronym: QUPOM broj 026322), finansiranom od strane Evropske komisije u domenu Okvirnog programa 6 pod rukovodstvom dr Branislava Jelenkovića.

Od 2009 do 2012 na projektu Švajcarske nacionalna fondacija za nauku, *SCOPES project* Moderna optika i spektroskopija: od istraživanja do obrazovanja. *IPB* koordinator: Dr Branislav Jelenković

Od 2011 do 2018 učestvuje u projektima "Proizvodnja i karakterizacija nanofotoničkih funkcionalnih struktura u biomedicine i informatici" (broj projekta III045016) i "Vidljiva i tamna materija u obližnjim galaksijam" (broj projekta ON176021) finansiranim od strane Ministarstva prosvete i nauke. Objavio dva rada u međunarodnim časopisima po jedan na svakom od projekata.

Od 2019 radi u Laboratoriji za fotoakustiku.

Od 2024 se nalazi na projektu UrbObsBel na Astronomskoj opservatoriji Beograd.

Autor ili koautor više od 140 naučnih radova. Objavio je :

- 5 radova u međunarodnim časopisima izuzetnih vrednosti (M21a)
- 12 radova u vrhunskom međunarodnom časopisu (M21);
- 9 radova u istaknutom međunarodnom časopisu (M22);
- 3 rada u međunarodnom časopisu (M23);
- 1 rad u nacionalnom časopisu međunarodnog značaja (M24);
- 22 saopštenja na međunarodnim skupovima štampanim u celini (M33);
- 67 saopštenja na međunarodnim skupovima štampanim u izvodu (M34);
- Jedno poglavlje u monografiji nacionalnog značaja (M44);
- Jedan rada u vodećem časopisu nacionalnog značaja (M51);
- Jedan rada u naučnom časopisu (M53);
- 11 saopštenja sa skupa nacionalnog značaja štampanih u celini (M63);
- 12 saopštenja sa skupa nacionalnog značaja štampanih u izvodu (M64);

3. Elementi za kvalitativnu ocenu naučnog doprinosa

3.1 Izabrani radovi u kojima je doprinos dr Dragana Lukića bio ključan

1 D. V. Lukic, SEARCH FOR POSSIBLE EXOMOONS WITH FAST TELESCOPE, Research in Astronomy and Astrophysics, V17, (No 12) 121, (2017) [IF(2014)=1.371]

Dr Lukić razradjuje ideju detekcije egzomeseca preko radio talasa kao u slucaju meseca Jupitera. Posto nećemo biti u mogućnosti barem jos deset godina da ih detektujemo optičkim metodam, u radu Dr Lukić razmatra mogućnost detekcije egzomeseca pomoću novog radio teleskopa FAST. Postoji mogućnost utvrđivanja njihovog postojanja u dva obliznja višeplanetarna sistema.

2 D. K. Markushev; D. D. Markushev; Sanja Aleksic; Dragan Pantić; S. P. Galović; D. V. Lukić; Jose Ordonez, Enhancement of the thermoelastic component of the photoacoustic signal of silicon membranes coated with a thin TiO₂ film, *J. Appl. Phys.* 131, 085105 (2022)

Dr Lukić je učestvovao u razvoju klasičnih eksperimentalnih metoda otvorene fotoakustičke ćelije u standardnom opsegu modulacionih frekvencija od 20 Hz do 20 kHz za ispitivanje jednoslojnih i višeslojnih uzoraka. Razmatrano je smanjenje uticaja fotogenerisanih nosilaca nanošenjem 200 nm tankog filma titanijum dioksida na 30- i 50 μm silicijumske membrane, čime se vraća njena fleksibilnost izgljbljena pod uticajem fotogenerisanih nosilaca.

3 Katarina Đorđević; Dragana K. Markushev; Marica N. Popovic; Mioljub Nesic; Slobodanka Galovic; Dragan V. Lukić; Dragan D. Markushev, Photoacoustic Characterization of TiO₂ Thin-Films Deposited on Silicon Substrate Using Neural Networks, *Materials* 2023, 16(7):2865 doi: 10.3390/ma16072865.

Dr Lukić je učestvovao u razvoju optimalnih eksperimentalnih metoda kojima su poredena predviđanja neuronskih mreza sa eksperimentnim rezultatima. Analizirana je mogućnost određivanja termičkih, elastičnih i geometrijskih karakteristika tankog filma TiO₂ nanosenog na silicijumsku podlogu, debljine 30 mm, u frekvencijskom opsegu od 20 do 20 kHz inteligentnom fotoakustikom.

Dobijeni rezultati su pokazali da primena neuronskih mreža u određivanju termoelastičnih svojstava tankog filma na nosećoj podlozi omogućava pozdanu procenu njegovih fizičkih karakteristika sa velikom tačnošću.

4 Aleksić, S.M., Markushev, D.K., Markushev, D.D., Pantić, D.S, Lukić, D.V., Popović M.N., Galović, S. P., Photoacoustic Analysis of Illuminated Si-TiO₂ Sample Bending Along the Heat-Flow Axes. *Silicon* **14**, 9853–9861 (2022)

I u ovom radu je dr Lukić učestvovao u razvoju eksperimentalnih metoda za analizu dvoslojnih uzoraka fotoakustikom. Utvrđeno je da tanki slojevi mogu značajno menjati termičko stanje drugog sloja i stepen njenog savijanja. Opisani su odnosi između termoelastične komponente, pomeranja duž ose toplotnog fluksa i razlike gustine nosioca i temperatura na različitim stranama uzorka. Pokazalo se da dodavanje tankog sloja poluprovodničkoj podlozi može efikasno smanjiti uticaj fotogenerisanih nosilaca kao nosilaca toplote.

5. **D. V. Lukić** Active SETI in Solar system neighborhood, *Astrophysics and Space Science*, **363**,159 (2018)

U radu je Dr Lukić predložio naučno zasnovan METI (Messaging to Ektraterrestrial Intelligence) program. Ako su sve civilizacije u Univerzumu samo primaoci, a ne civilizacije koje šalju poruke, onda nikakva SETI (Search for Ektraterrestrial Intelligence) pretraga nema smisla. Otkrivanje samo procurelih radio signala je težak posao sa sadašnjim resursima. Strah od vanzemaljaca je neosnovan, imajući u vidu fizičke poteškoće i zahteve međuzvezdanog putovanja. Ako su moguće vanzemaljske civilizacije naprednije od naše u našoj okolini, onda mogu lakše da pokupe znakove života sa Zemlje koje mi odašiljemo nego mi sa njihovih planeta trenutno.

3.1.1. Članstvo u uređivačkim odborima časopisa, uređivanje monografija, recenzije naučnih radova i projekata

Dr Dragan Lukić uređuje zbornik apstrakata domaće konferencije sa međunarodnim učesem Fotonika.

3.2. Angažovanost u razvoju uslova za naučni rad, obrazovanju i formiranju naučnih kadrova

Dr Dragan Lukić je doprinomio svoji angažovanjem u osnivanju i razvoju Centra za fotoniku pre i posle odlaska na stručno usavršavanje na Kolumbija univerzitu.

Dr Dragan Lukić je aktivno učestvovao i na međunarodnom projektu **”Reinforcing the center for quantum and optical metrology”** QUPOM 026322 pod rukovodstvom dr Brane Jelenkovića u periodu 2007 do 2009 godine koji je u okviru FP6 programa (EU Sixth Framework Programme) finansirala Evropska Komisija od 01.08.2006. do 01.08.2009. godine. U okviru projekta razvijene su dve laboratorije: jedna za holografsku interferometriju i druga za kvantnu optiku i lasersku spektroskopiju.

Dr Dragan Lukić u saradnji sa profesorom dr Bogdanom Nedićem sa Univerziteta u Kragujevcu radi na razvoju laboratorije za ispitivanje uticaja vakuuma na štampane materijale

3.2.1. Pedagoški rad

Dr Lukić je radio kao docent na Agronomskom fakultetu za nastavni predmet Fizika sa Elektronikom. Pored toga držao je nastavu i vežbe iz predmeta Informatika kao i Metodologiju naučnog rada za

postdiplomce.

3.2.2. Međunarodna saradnja

U okviru međunarodne naučne saradnje učestvovao je na više projekata. U periodu 2007-2009 učestvovao je na naučnom projektu “*Reinforcing research center for quantum and optical metrology*” (acronym: QUPOM Broj 026322), finansiranom od strane Evropske komisije u domenu Okvirnog programa 6 (FP6) pod rukovodstvom dr Brane Jelenkovića.

U periodu 2009-2012 učestvuje u projektu Švajcarske nacionalne fondacija za nauku, *SCOPES project* (2009-2012) Moderna optika i spektroskopija: od istraživanja do obrazovanja (**SCOPES project – Modern optics and spectroscopy – from research to education**), *IPB* koordinator: Dr Branislav Jelenković. Projekat je trajao 36 meseci od 2010. godine do 2013. godine. Osnovni cilj projekta je bio razvoj složenih učila za potrebe nastave fizike na fakultetima. Dr Dragan Lukić je učestvovao u izradi jednog učila.

U periodu 2005-2007 učestvovao je na naučnom projektu “*New Low Temperature Dielectronic Recombination Rate Coefficients for Modeling Photoionized Cosmic Plasmas*” (NASA Space Astrophysics Research and Analysis grant NAG5-5420) na Kolumbija univerzitetu pod rukovodstvom dr Daniela Savina finansiranom od strane NASA u saradnji sa istraživačkim grupama profesora *Dr. Alfred Müller* sa Gisen Univerziteta i profesora *Dr. Andreas Wolf* iz *Max Planck Institute for Nuclear Physics (MPIK)*, u Hajdelbergu.

Sarađivao je sa dr Ralfom Wehlitzom sve do zatvaranja SRC centra za sinhrotronsko zračenje.

3.2.3. Organizacija naučnih skupova

Dr Dragan Lukić je bio član organizacionog odbora *17. Letnje škole i međunarodne konferencije o fizici jonizovanog gasa* (17th Summer School and International Conference of Physics on Ionized Gases) održane od 29. avgusta do 1 septembra 1994. godine.

Dr Dragan Lukić je član programskog i organizacionog odbora konferencije sa međunarodnim učešćem Radionica Fotonika. Dve godine je bio predsednik Organizacionog odbora Pete i Šeste zimske radionice iz Fotonike održanih 2012. i 2013. godine kao i član organizacionog odbora od 2009. godine. Uređuje zbornik apstrakata sa te konferencije.

3.3. Organizacija naučnog rada

3.3.1. Rukovođenje naučnim projektima, podprojektima i zadacima

Dr Dragan Lukić je učestvovao na sledećim projektima Ministarstva za nauku i tehnološki razvoj:

U periodu 1992-1995 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i tehnologiju Republike Srbije “*Binarni sudari atomskih čestica*” (broj projekta E.0106).

U periodu 1996-1998 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i tehnologiju Republike Srbije “*Atomska i molekulska fizika: Eksperimentalna fizika sudara atomskih čestica*” (projekat broj 01E02).

U periodu 1998 -1999 godine učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i tehnologiju Republike Srbije “*Fizika niskotemperaturne plazme*”.

U periodu 2002-2005 učestvovao je na naučnom projektu finansiranom od Ministarstva za nauku i zaštitu sredine republike Srbije “*Precizna laserska spektroskopija*” (broj projekta 1443).

Od 2007-2010 učestvuje u projektu *Kvantna i optička interferometija*” (broj projekta 141003) Ministarstva za nauku i tehnološki razvoj Republike Srbije. U okviru ovog projekta rukovodi zadatkom izrade izvora sporih atoma rubidijuma.

U periodu 2011-2017 učestvuje u projektima “Proizvodnja i karakterizacija nanofotoničkih funkcionalnih struktura u biomedicine i informatici” (broj projekta III045016) i “Vidljiva i tamna materija u obližnjim galaksijam” (broj projekta ON176021) finansiranim od strane Ministarstva prosvete i nauke .

3.4. Kvalitet naučnih rezultata

Radovi dr Dragana Lukić u različitim poljima savremene fizike dali su značajan doprinos kako domaćoj nauci tako i svetskoj nauci. Treba posebno istaći radove iz oblasti visestruke fotojonizacije kao i radove iz oblasti dvoelektronske rekombinacije koji su visestruko citirani preko 35 puta. Dr Lukić je zajedno sa kolegama objavio pet radova u međunarodnim časopisima izuzetnih vrednosti, a ukupno 29 radova u međunarodnim časopisima sa SCI liste.

3.4.1. Uticajnost naučnih radova kandidata

O značaju rezultata naučnoistraživačkog rada kandidata najbolje govori broj citata, do sad je evidentirano ukupno 382 nezavisnih citata (bez autocitata) prema dostupnim podacima ISI Web of Science, prosečan broj citata po radu je 13,19, a h-indeks je 14. U prilogu se nalazi izvod sa sajta WoS.

3.4.2. Ugled i uticajnost publikacija u kojima su objavljeni radovi kandidata

Časopisi u kojima je dr Dragan Lukić publikovao radove kao jedan od koautora spadaju u sam vrh časopisa iz oblasti fizike, optike i astrofizike. Časopis *Optics Express* je bio časopis broj 2 od ukupno 64 časopisa u grupi za optiku. Radovi su objavljeni i u časopisu ASTROPHYSICAL JOURNAL koji je imao IF 7.364 i časopisu Physics Review Letters koji je imao IF 9.185 .

3.4.3. Stepenn samostalnosti u naučnoistraživačkom radu i uloga u realizaciji radova u naučnim centrima u zemlji i inostranstvu

Dr Dragan Lukić je bio prvi autor na 8 radova objavljenih u časopisu međunarodnog značaja od toga u dva međunarodna časopisa izuzetnih vrednosti.

4. Elementi za kvantitativnu ocenu naučnog doprinosa

4. 1 Ostvareni rezultati u periodu nakon prethodnog izbora u zvanje

Kategorija	M bodova po radu	Broj radova	Ukupno M bodova
M21	8	1	8
M22	5	3	15
M24	2	1	2
M33	1	1	1
M34	0.5	8	4
M36	1.5	4	6
M64	0.2	2	0.4

Ukupno je ostvario 36.4 bodova.

Tabela sa radovima kategorije M20 objavljenim nakon prethodnog izbora u zvanje

R.b. članka (Č)	Broj koautora (A)	M	M/A	IF	IF/A	SNIP	SNIP/A
1	7	8	1.143	3.4	0.4857	1.07	0.1528
2	7	5	0.714	3.4	0.4857	1.46	0.2085
3	7	5	0.714	3.2	0.4571	1.01	0.1443
4	1	5	5	1.681	1.681	0.72	0.1029
5	7	2	0.2857	0.6	0.0857		

4.2 Poređenje sa minimalnim kvantitativnim uslovima za reizbor u zvanje naučni saradnik

Minimalan broj bodova			Ostvareno
Izbor naučni saradnik	Ukupno		16
	M10+M20+M31+M32+M33+M41+M42		10
	M11+M12+M21+M22+M23		6
			36.4
			22
			23

4.3 Citiranost

Dragan Lukić je do sad objavio ukupno 29 radova u međunarodnim časopisima sa SCI Liste od čega je 5 u kategoriji m21a, 12 u kategoriji M21, 9 u kategoriji M22 i tri u kategoriji M23. O značaju rezultata naučnoistraživačkog rada kandidata najbolje govori broj citata, do sad je evidentirano ukupno 382 nezavisnih citata (bez autocitata) prema dostupnim podacima Web of Science. Prosečan broj citata po radu je 13,19, a h-indeks je 14.

5. Spisak objavljenih radova po kategorijama

5.1 Radovi u međunarodnim časopisima izuzetnih vrednosti – kategorija M21a

5.1.1. Radovi objavljeni pre prethodnog izbora u zvanje:

1. **D. Lukić**, J.B. Bluett, and R. Wehlitz, "Unexpected Behavior of the Near-Threshold Double-Photoionization Cross Section of Beryllium", PHYSICAL REVIEW LETTERS 93, 023003(2004) [IF(2004)=7.218]
2. A. KRMPOT, M. MIJAILOVIĆ, B. PANIĆ, D. LUKIĆ, A. KOVAČEVIĆ, D. PANTELIĆ, AND B. JELENKOVIĆ, "SUB-DOPPLER ABSORPTION NARROWING IN ATOMIC

VAPOR AT TWO INTENSE LASER FIELDS”, OPTICS EXPRESS 13, 1448-1456 MAR 7 2005 [IF(2005)= 3.764]

3. P. N. Juranić, D. Lukić, K. Barger, and R. Wehlitz, “EXPERIMENTAL EVIDENCE FOR MODULATIONS IN THE RELATIVE DOUBLE-PHOTOIONIZATION CROSS SECTION OF C₆₀ FROM THRESHOLD UP TO 280 eV”, PHYSICAL REVIEW LETTERS 96, 023001 JAN 20 2006 [IF(2006)= 7.072]
4. **D. V. Lukić**, M. Schnell, D. W. Savin, C. Brandau, E. W. Schmidt, S. Böhm, A. Müller, S. Schippers, M. Lestinsky, F. Sprenger, A. Wolf, Z. Altun, and N.R. Badnell, “DIELECTRONIC RECOMBINATION OF Fe XV FORMING Fe XIV: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS”, ASTROPHYSICAL JOURNAL, 664(2007) 1244–1252; astro-h/0704.0905. [IF(2007)= 6.405]
5. M. Lestinsky, N. R. Badnell, D. Bernhardt, M. Grieser, J. Hoffmann, D. Lukić, A. Müller, D. A. Orlov, R. Repnow, D. W. Savin, E. W. Schmidt, M. Schnell, S. Schippers, A. Wolf and D. Yu, “ELECTRON-ION RECOMBINATION OF Fe X FORMING Fe IX AND OF Fe XI FORMING Fe X: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS“, ASTROPHYSICAL JOURNAL 698, 648-659(2009) [IF(2009)= 7.364]

5.2 Radovi u vrhunskom međunarodnom časopisu – kategorija M21

5.2.1 Radovi objavljeni posle izbora u zvanje:

1. Katarina Đorđević; Dragana K. Markushev; Marica N. Popovic; Mioljub Nesic; Slobodanka Galovic; Dragan V. Lukić; Dragan D. Markushev, Photoacoustic Characterization of TiO₂ Thin-Films Deposited on Silicon Substrate Using Neural Networks, **Materials** 2023,16(7):2865 doi: 10.3390/ma16072865. [IF (2022)=3.4]

5.2.2 Radovi objavljeni pre prethodnog izbora u zvanje:

1. **D. Lukić**, G. Josifov G. and M. Kurepa, “ TOTAL ELECTRON-IONIZATION CROSS SECTIONS OF THE NO₂ MOLECULE”, INTERNATIONAL JOURNAL OF MASS SPECTROMETRY 205, 1-6 (2001) [IF(2001)=2.176]
2. R. Wehlitz, D. Lukić, C. Koncz, and I.A. Sellin, “SETUP FOR MEASUREMENT OF PARTIAL ION YIELDS AT SRC”, REVIEW OF SCIENTIFIC INSTRUMENTS 73, 1671-1673 (2002) [IF(2002)=1.437]
3. R. Wehlitz, D. Lukić, and J. B. Bluett, “RESONANCE PARAMETERS OF AUTOIONIZING Be 2pn STATES”, PHYSICAL REVIEW A 68, 052708 (2003) [IF(2003)= 2.589]
4. J. B. Bluett, D. Lukić, and R. Wehlitz, “TRIPLE PHOTOIONIZATION OF Ne AND Ar NEAR THRESHOLD”, PHYSICAL REVIEW A 69, 042717 (2004) [IF(2004)= 2.902]
5. R. Wehlitz, M. M. Martinez, J. B. Bluett, D. Lukić, and S. B. Whitfield, “DOUBLE-TO-SINGLE PHOTOIONIZATION RATIO OF LITHIUM AT MEDIUM ENERGIES, PHYSICAL REVIEW A 69, 062709 (2004) [IF(2004)= 2.902](8)

6. R. Wehlitz, D. Lukić, and J. B. Bluett, "SINGLE AND DOUBLE PHOTOIONIZATION OF BERYLLIUM BELOW 40 eV", PHYSICAL REVIEW A 71, 012707-1 - 012707-5 (2005) [IF(2005)= 2.997]
7. E. W. Schmidt, S. Schippers, A. Müller, M. Lestinsky, F. Sprenger, M. Grieser, R. Repnow, A. Wolf, C. Brandau, D. Lukić, M. Schnell, and D. W. Savin, "ELECTRON-ION RECOMBINATION MEASUREMENTS MOTIVATED BY AGN X-RAY ABSORPTION FEATURES: Fe XIV FORMING Fe XIII", ASTROPHYSICAL JOURNAL LETTERS 641, L157-L160 (2006) [IF(2006)= 6.119]
8. P. N. Juranić, D. Lukić, K. Barger, and R. Wehlitz, "MULTIPLE PHOTOIONIZATION AND FRAGMENTATION OF C₆₀ IN THE 18-280 eV RANGE, PHYSICAL REVIEW A 73, 042701-1 – 042701-8 (2006) IF(2006)= 3.047M21]
9. E. W. Schmidt, D. Bernhardt, A. Müller, S. Schippers, S. Fritzsche, J. Hoffmann, A. S. Jaroshevich, C. Krantz, M. Lestinsky, D. A. Orlov, A. Wolf, D. Lukić, and D. W. Savin, "ELECTRON-ION RECOMBINATION OF Si IV FORMING Si III: STORAGE-RING MEASUREMENT AND MULTICONFIGURATION DIRAC-FOCK CALCULATIONS, PHYSICAL REVIEW A 76, 032717 (2007); arXiv:0709.1363v1. [IF(2007)= 2.893]
10. R. Wehlitz, P. N. Juranić, and D. Lukić "DOUBLE PHOTOIONIZATION OF MAGNESIUM FROM THRESHOLD TO 54 eV PHOTON ENERGY", PHYSICAL REVIEW A 78, 033428-1 - 033428-5 (2008) [IF(2008)= 2.908]
11. E. W. Schmidt, S. Schippers, D. Bernhardt, A. Meuller, J. Hoffmann, M. Lestinsky, D. A. Orlov, A. Wolf, D. V. Lukić, D. W. Savin, and N. R. Badnell, "ELECTRON-ION RECOMBINATION FOR Fe VIII FORMING Fe VII AND Fe IX FORMING Fe VIII: MEASUREMENTS AND THEORY", Astron. Astrophys. 492 (2008) 265–275 [IF(2008)= 4.153]

5.3 Radovi u istaknutom međunarodnom časopisu – kategorija M22

5.3.1. Radovi objavljeni nakon prethodnog izbora u zvanje:

1. Aleksić, S.M., Markushev, D.K., Markushev, D.D., Pantić, D.S, Lukić, D.V., Popović M.N., Galović, S. P., Photoacoustic Analysis of Illuminated Si-TiO₂ Sample Bending Along the Heat-Flow Axes. *Silicon* **14**, 9853–9861 (2022), [IF (2022)=3.4]
2. D. K. Markushev; D. D. Markushev; Sanja Aleksic; Dragan Pantić; S. P. Galović; D. V. Lukić; Jose Ordonez, Enhancement of the thermoelastic component of the photoacoustic signal of silicon membranes coated with a thin TiO₂ film, *J. Appl. Phys.* 131, 085105 (2022) [IF (2022)=3.2]
3. **D. V. Lukić** Active SETI in Solar system neighborhood, *Astrophysics and Space Science*, **363**,159 (2018) [IF(2018)=1.681]

5.3.2 Radovi objavljeni pre prethodnog izbora u zvanje:

1. N. Simonović, D. Lukić, and P. Grujić, "DOUBLE IONIZATION BY POSITRONS

NEAR THRESHOLD”, JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 38 (17), 3147-3161 SEP 14 2005 [IF(2005)= 1.913]

2. J. B. Bluett, D. Lukić, S.B. Whitfield, and R. Wehlitz, “DOUBLE PHOTOIONIZATION NEAR THRESHOLD”, NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 241 (1-4), 114-117 DEC 2005 [IF(2005)= 1.181 M22]
3. R. Wehlitz, D. V. Lukić, and P. N. Juranić, “OBSERVATION OF A NEW $3s^2 \square$ 3pnd DOUBLE EXCITATION RYDBERG SERIES IN GROUND-STATE MAGNESIUM”, JOURNAL OF PHYSICS B- ATOMIC MOLECULAR AND OPTICAL PHYSICS 40, 2385-2397 (2007) [IF(2007)= 2.012]
4. **D. Lukić**, S. B. Whitfield, and R. Wehlitz, “LITHIUM INNER-SHELL RESONANCES IN THE 70 - 77 eV PHOTON ENERGY REGION“, JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 42, 085004-1- 085004-7 (2009) [IF(2009)= 1.910]
5. Ivan Radojičić, Milan Radonjić, Marina Lekić, Zoran Grujić, Dragan Lukić and Branislav Jelenković, ROBUSTNESS OF ELECTROMAGNETICALLY INDUCED TRANSPARENCY FOR COUNTER PROPAGATING PUMP AND PROBE IN VACUUM RB CELL, JOSA B, Vol. 32, Issue 3, pp. 426-430 (2015) ISSN: 0740-3224 (print); ISSN:1520-8540 (online); [IF(2015)= 1.97];
6. **D.V. Lukić**, SEARCH FOR POSSIBLE EXOMOONS WITH FAST TELESCOPE, Research in Astronomy and Astrophysics, 17, p.121 [IF(2016)=1.371] DOI 10.1088/1674-4527/17/12/121

5. 4 Radovi u međunarodnom časopisu – kategorija M23

5.4.1 Radovi objavljeni pre prethodnog izbora u zvanje:

1. G Josifov, D. Lukić, N. Djurić and M. Kurepa, “TOTAL, DIRECT AND DISSOCIATIVE ELECTRON IMPAC IONIZATION CROSS SECTION OF THE ACETYLENE MOLECULE”, J. Serb. Chem. Soc. 65, 517-527 (2000), [IF(2000)=0.277]
2. **D. Lukić**, P. R. Focke, C. Koncz, V. A. Morozov, F. W. Meyer, and I. A. Sellin, “AUTOIONIZATION OF DOUBLY AND TRIPLY EXCITED STATES OF Li^+ AND Li PRODUCED IN Li^{3+} ION COLLISION WITH C_{60} , Ar AND Xe”, PHYSICA SCRIPTA T92, 174 (2001) [IF(2002)=0.748]
3. R. Wehlitz, J. Colgan, M. M. Martinez, J.B. Bluett, D. Lukić, and S.B. Whitfield, “DOUBLE PHOTOIONIZATION PROCESSES IN LITHIUM”, JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 144, 59-62 JUN 2005 [IF(2005)= 1.183]

5.5 Rad u nacionalnom časopisu međunarodnog značaja - kategorija M24

Neda Lj. Stanojevic, Dragana K. Markushev, Sanja M. Aleksic, Dragan S. Pantic, Dragan V. Lukic, Marica N. Popovic, Dragan D. Markushev ELECTRO-ACOUSTIC ANALOGIES BETWEEN THERMOELASTIC COMPONENT OF THE PHOTOACOUSTIC SIGNAL AND LOW-PASS RC FILTER, FACTA UNIVERSITATIS Series: Electronics and Energetics 36, 4, December 2023, pp. 485 – 497 doi 10.2298/FUEE2304485S COBISS.SR-ID 12826626

5.6. Saopštenja sa medjunarodnih konferencija štampana u celini. (M33)

5.6.1. Saopštenja posle prethodnog izbora u zvanje.

1 **D. Lukić** WE CAN SPREAD OUR GENETIC MATERIAL 2024, PAOB 103, u stampi

5.7. Saopštenja sa medjunarodnih konferencija štampana u izvodu. (M34)

1 **D. Lukić**, Laser-Pushed Lightsail driven by non diverging beam, 13th Photonics Workshop 2020-03-08 Kopaonik

2 **D. Lukić**, ADDITIVE MANUFACTURING OF SOLAR SAIL, XIX SERBIAN ASTRONOMICAL CONFERENCE , 2020-10-12

3 **D. Lukić**, COMPARISON OF TWO MODELS OF INTERSTELLAR TRAVEL USING LASER-PUSHED LIGHTSAIL, XIX SERBIAN ASTRONOMICAL CONFERENCE , 2020-10-12

4 **D. Lukić**, Atomic line referenced Mach Zehnder Interferometer calibrators for reaching extreme precision radial velocities in Dopler spectroscopy, 14th Photonics Workshop. 2021-03-14

5 **D. Lukić**, Prospective of Solar Pumped Lasers for Space Propulsion, 15th Photonics Workshop 2022-03-14

6 **D. Lukić**, WE CAN SPREAD OUR GENETIC MATERIAL, XX SERBIAN ASTRONOMICAL CONFERENCE 2023-10-16

7 **D. Lukić**, CAN WE TARGET EXTRASOLAR SYSTEMS? XX SERBIAN ASTRONOMICAL CONFERENCE 2023-10-16

8 **D. Lukić**, Proposal for a new surveillance system for military vehicles and a new crew arrangement, 16th Photonics Workshop 2023-03-12

5.8. Saopštenja sa domaćih konferencija štampana u izvodu. (M64)

5.8.1. Saopštenja posle prethodnog izbora u zvanje.

1 **D. Lukić** Amalgamating vented Tromb wall and an anidolic light concentrator, 12th Photonics Workshop 2019-03-10

2 **D. Lukić** Anidolic lighting for atelier, 11th Workshop on Photonics 2018-03-11

5.9. Radovi u domaćem časopisu – kategorija M53

1 Vladimir Udovičić, Nikola Veselinović, Dušan Joksimović, Radomir Banjanac, Aleksandar Dragić, Dejan Joković, Dragan Lukić, PRESENT STATUS OF THE PLASMA FOCUS EXPERIMENT IN SERBIA, Journal of Modern Physics Vol 5, No 2, 82-88, (2014)

5.10. Magistratura i doktorat.

M 71

“Eksperimentalno proučavanje autojonizacije i višestruke fotojonizacije atoma Li, He, Ar, Be i molekula N₂O,” doktorska teza, Fizički fakultet Univerzitet u Beogradu, 2004

M 72

“Efektivni preseki za jonizaciju molekula NO₂ i COS elektronima energije od praga do 1000 eV,” magistarski rad, Fizički fakultet Univerzitet u Beogradu, 1997

6. Citiranost radova posle prethodnog izbora u zvanje prema Web of Science:

Rad Search for possible exomoons with the FAST telescope citiran je tri puta.

1 Research e-infrastructures for open science: The national example of CSTCloud in China

Zhang, LL; Li, JH; (...); Liu, YD

May 9 2023 DATA INTELLIGENCE 5 (2) , pp.355-369

2 Collisional formation of massive exomoons of superterrestrial exoplanets

Malamud, U; Perets, HB; (...); Burger, C

Mar 2020 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY 492 (4) , pp.5089-5101

3 Exploring exomoon atmospheres with an idealized general circulation model

Haqq-Misra, J and Heller, R

Sep 2018 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY 479 (3) , pp.3477-3489

Rad Photoacoustic Analysis of Illuminated Si-TiO₂ Sample Bending Along the Heat-Flow Axes citiran je 4 puta

Aleksic, SM (Aleksic, S. M.); Markushev, DK (Markushev, D. K.); Markushev, DD (Markushev, D. D.); Pantic, DS (Pantic, D. S.); Lukic, DV (Lukic, D., V); Popovic, MN (Popovic, M. N.); Galovic, SP (Galovic, S. P.) SILICON, Volume 14 Issue 15, Page 9853-9861 DOI 10.1007/s12633-022-01723-6

1 Photoacoustic Characterization of TiO₂ Thin-Films Deposited on Silicon Substrate Using Neural Networks

Djordjevic, KL; Markushev, DK; (...); Markushev, DD

Apr 2023 MATERIALS 16 (7)

2 Photothermal Response for the Thermoelastic Bending Effect Considering Dissipating Effects by Means of Fractional Dual-Phase-Lag Theory

Somer, A; Novatski, A; (...); Lenzi, EK

Mar 2023 FRACTAL AND FRACTIONAL 7 (3)

3 Photothermally induced temperature variations in a low-absorption sample via backside absorption

Miletic, VV; Popovic, MN; (...); Nestic, MV

Feb 21 2023 JOURNAL OF APPLIED PHYSICS 133 (7)

4 Photothermal Determination of the Surface Treatment of Cd_{1-x}Be_xTe Mixed Crystals

Zakrzewski, J; Strzalkowski, K; (...); Kaminski, DM
Feb 2023 APPLIED SCIENCES-BASEL 13 (4)

Rad Enhancement of the thermoelastic component of the photoacoustic signal of silicon membranes coated with a thin TiO₂ film je citiran 6 puta

Markushev, DK (Markushev, D. K.) ;Markushev, DD (Markushev, D. D.) ; Aleksic, SM (Aleksic, S. M.) ; Pantic, DS (Pantic, D. S.) ;Galovic, SP (Galovic, S. P.) ; Lukic, DV (Lukic, D. V.) ;Ordonez-Miranda, J (Ordonez-Miranda, J.)

J. Appl. Phys. 131, 085105 (2022) DOI 10.1063/5.0079902

1 Thermal fractional diffusion: experimental evidence from the discrepancies in the amplitude and phase in photothermal technique

Somer, A; Novatski, A; (...); Lenzi, EK
Oct 2023 NONLINEAR DYNAMICS 111 (20) , pp.19265-19282

2 Thermal characterization of *n*-type silicon based on an electro-acoustic analogy

Stanojevic, N; Markushev, DK; (...); Ordonez-Miranda, J
Jun 28 2023 JOURNAL OF APPLIED PHYSICS 133 (24)

3 Photothermal Response for the Thermoelastic Bending Effect Considering Dissipating Effects by Means of Fractional Dual-Phase-Lag Theory

Somer, A; Novatski, A; (...); Lenzi, EK
Mar 2023 FRACTAL AND FRACTIONAL 7 (3)

4 Photothermally induced temperature variations in a low-absorption sample via backside absorption

Miletic, VV; Popovic, MN; (...); Nestic, MV
Feb 21 2023 JOURNAL OF APPLIED PHYSICS 133 (7)

5 FRACTIONAL DUAL-PHASE-LAG HEAT CONDUCTION WITH PERIODIC HEATING AND PHOTO-THERMAL RESPONSE

Somer, A; Novatski, A; (...); Lenzi, EK
2023 THERMAL SCIENCE 27 (3B) , pp.2537-2547

6 Editorial for the special collection on non-invasive and non-destructive methods and applications, I: Festschrift-A tribute to Andreas Mandelis

Gusev, V and Franko, M
Dec 21 2022 JOURNAL OF APPLIED PHYSICS 132 (23)

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PHOTONICS Workshop (15; 2022; Kopaonik)

Book of Abstracts / 15th Photonics Workshop, (Conference), Kopaonik,
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14

H-index

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(3) Journal of Physics B: Atomic, Mol...	(2) Physical Review Letters
(1) Journal of the Optical Society of ...	(1) Astronomy & Astrophysics
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Single and double photoionization of beryllium below 40 eV 37
 Published: Jan 2005 in Physical Review A
 DOI: 10.1103/PHYSREVA.71.012707

Electron-ion recombination measurements motivated by AGN X-ray absorption features: Fe XIV forming Fe XIII 34
 Authors (12): Schmidt, EW; Schippers, S ... Savin, DW
 Published: Apr 2006 in The Astrophysical Journal
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Setup for measurements of partial ion yields at the Synchrotron Radiation Center 30
 Published: Mar 2002 in Review of Scientific Instruments
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ELECTRON-ION RECOMBINATION OF Fe X FORMING Fe IX AND OF Fe XI FORMING Fe X: LABORATORY MEASUREMENTS AND THEORETICAL CALCULATIONS 28
 Authors (15): Lestinsky, M.; Badnell, N. R. ... Yu, D.
 Published: Jun 2009 in The Astrophysical Journal
 DOI: 10.1088/0004-637X/698/1/648

Electron-ion recombination for Fe VIII forming Fe VII and Fe IX forming Fe VIII: measurements and theory 25
 Authors (11): Schmidt, E. W.; Schippers, S. ... Badnell, N. R.
 Published: Dec 2008 in Astronomy & Astrophysics
 DOI: 10.1051/0004-6361:200810834

Electron-ion recombination of SiIV forming SiIII: Storage-ring measurement and multiconfiguration dirac-fock calculations 25
 Authors (13): Schmidt, E. W.; Bernhardt, D. ... Savin, D. W.
 Published: Sep 2007 in Physical Review A
 DOI: 10.1103/PHYSREVA.76.032717

Dielectronic recombination of Fe xv forming Fe xiv: Laboratory measurements and theoretical calculations Authors (13): Lukic, D. V.; Schnell, M. ... Badnell, N. R. Published: Aug 2007 in The Astrophysical Journal DOI: 10.1086/519073	24
Double photoionization of magnesium from threshold to 54 eV photon energy Published: Sep 2008 in Physical Review A DOI: 10.1103/PHYSREVA.78.033428	21
Unexpected Behavior of the Near-Threshold Double-Photoionization Cross Section of Beryllium Published: Jul 2004 in Physical Review Letters DOI: 10.1103/PHYSREVLETT.93.023003	21
Observation of a new $3s^2 \rightarrow 3p n d$ double-excitation Rydberg series in ground-state magnesium Published: Jun 2007 in Journal of Physics B: Atomic, Molecular and Optical Physics DOI: 10.1088/0953-4075/40/12/014	20
Resonance parameters of autoionizing Be $2 p n l$ states Published: Nov 2003 in Physical Review A DOI: 10.1103/PHYSREVA.68.052708	20
Sub-Doppler absorption narrowing in atomic vapor at two intense laser fields Authors (7): Krmpot, Aj; Mijailovic, MM ... Jelenkovic, BM Published: 2005 in Optics Express DOI: 10.1364/OPEX.13.001448	19
Multiple photoionization and fragmentation of C 60 in the 18 - 280 - eV range Published: Apr 2006 in Physical Review A DOI: 10.1103/PHYSREVA.73.042701	17
Double photoionization near threshold Published: Dec 2005 in Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms DOI: 10.1016/J.NIMB.2005.07.015	15
Double-to-single photoionization ratio of lithium at medium energies Published: Jun 2004 in Physical Review A DOI: 10.1103/PHYSREVA.69.062709	13
Triple photoionization of Ne and Ar near threshold Published: Apr 2004 in Physical Review A DOI: 10.1103/PHYSREVA.69.042717	13

Total electron-ionization cross sections of the NO ₂ molecule Published: Feb 2001 in International Journal of Mass Spectrometry DOI: 10.1016/S1387-3806(00)00208-6	12
Experimental evidence for modulations in the relative double-photoionization cross section of C-60 from threshold up to 280 eV Authors (4): Juranic, PN; Lukic, D ... Wehlitz, R Published: Jan 2006 in Physical Review Letters DOI: 10.1103/PHYSREVLETT.96.023001	8
Double photoionization processes in lithium Published: Jun 2005 in Journal of Electron Spectroscopy and Related Phenomena DOI: 10.1016/J.ELSPEC.2005.01.285	8
Total, direct and dissociative electron impact ionization cross sections of the acetylene molecule Published: 2000 in Journal of the Serbian Chemical Society DOI: 10.2298/JSC0007517J	7
Enhancement of the thermoelastic component of the photoacoustic signal of silicon membranes coated with a thin TiO ₂ film Authors (7): Markushev, D. K.; Markushev, D. D. ... Ordonez-Miranda, J. Published: Feb 2022 in Journal of Applied Physics DOI: 10.1063/5.0079902	6
Raman-Ramsey electromagnetically induced transparency in the configuration of counterpropagating pump and probe in vacuum Rb cell Authors (6): Radojicic, Ivan S.; Radonjic, Milan ... Jelenkovic, Branislav Published: Feb 2015 in Journal of the Optical Society of America B DOI: 10.1364/JOSAB.32.000426	6
Photoacoustic Analysis of Illuminated Si-TiO ₂ Sample Bending Along the Heat-Flow Axes Authors (7): Aleksic, S. M.; Markushev, D. K. ... Galovic, S. P. Published: Oct 2022 in Silicon DOI: 10.1007/S12633-022-01723-6	4
Experimental rate coefficient for dielectronic recombination of neonlike iron forming sodiumlike iron Authors (10): Schmidt, E. W.; Bernhardt, D. ... Wolf, A. Published: Apr 2009 in Journal of Physics: Conference Series DOI: 10.1088/1742-6596/163/1/012028	4
Search for possible exomoons with the FAST telescope Authors (1): Lukic, Dragan V. Published: Dec 2017 in Research in Astronomy and Astrophysics DOI: 10.1088/1674-4527/17/12/121	3

<p>Electron-ion recombination measurements of Fe7+, Fe8+, Fe13+ motivated by active galactic nuclei x-ray absorption features</p> <p>Authors (15): Schmidt, E. W.; Schippers, S. ... Savin, D. W.</p> <p>Published: Mar 2007 in Journal of Physics: Conference Series</p> <p>DOI: 10.1088/1742-6596/58/1/047</p>	2
<p>Double ionization by positrons near threshold</p> <p>Authors (3): Simonovic, N; Lukic, D; Grujic, P</p> <p>Published: Sep 2005 in Journal of Physics B: Atomic, Molecular and Optical Physics</p> <p>DOI: 10.1088/0953-4075/38/17/006</p>	2
<p>DIELECTRONIC RECOMBINATION MEASUREMENTS OF IRON M-SHELL IONS MOTIVATED BY ACTIVE GALACTIC NUCLEI X-RAY ABSORPTION FEATURES</p> <p>Authors (13): Lukic, D. V.; Schnell, M. ... Badnell, N. R.</p> <p>Published: 2008 in 24TH SUMMER SCHOOL AND INTERNATIONAL SYMPOSIUM ON THE PHYSICS OF IONIZED GASES, CONTRIBUTED PAPERS</p>	1
<p>Photoacoustic Characterization of TiO2 Thin-Films Deposited on Silicon Substrate Using Neural Networks</p> <p>Authors (7): Djordjevic, Katarina Lj; Markushev, Dragana K. ... Markushev, Dragan D.</p> <p>Published: Apr 2023 in Materials</p> <p>DOI: 10.3390/MA16072865</p>	0
<p>Active SETI in Solar system neighborhood</p> <p>Authors (1): Lukic, D. V.</p> <p>Published: Aug 2018 in Astrophysics and Space Science</p> <p>DOI: 10.1007/S10509-018-3384-0</p>	0
<p>Experimental studies of electron collisions with atomic ions for astrophysical plasmas</p> <p>Authors (14): Lestinsky, M.; Badnell, N.R. ... Wolf, A.</p> <p>Published: Nov 2009 in Journal of Physics: Conference Series</p> <p>DOI: 10.1088/1742-6596/194/6/062025</p>	0
<p>Double photoionization of Mg and the scaling model</p> <p>Authors (3): Juranic, P.; Lukic, D.; Wehlitz, R.</p> <p>Published: Nov 2009 in Journal of Physics: Conference Series</p> <p>DOI: 10.1088/1742-6596/194/2/022036</p>	0
<p>Lithium inner-shell resonances in the 70-77 eV photon energy region</p> <p>Authors (3): Lukic, D.; Whitfield, S. B.; Wehlitz, R.</p> <p>Published: Apr 2009 in Journal of Physics B: Atomic, Molecular and Optical Physics</p> <p>DOI: 10.1088/0953-4075/42/8/085004</p>	0

<p>Sub-Doppler absorption narrowing in V, Lambda and N-type atom at intense laser fields</p> <p>Authors (7): Krmpot, Aj; Lekic, MM ... Jelenkovic, BM</p> <p>Published: 2005 in Proceedings of SPIE - The International Society for Optical Engineering</p> <p>DOI: 10.1117/12.617878</p>	0
<p>Autoionization of Doubly and Triply Excited States of Li⁺ and Li Produced in Li³⁺ Ion Collision with C₆₀, Ar and Xe</p> <p>Published: 2001 in Physica Scripta</p> <p>DOI: 10.1238/PHYSICA.TOPICAL.092A00174</p>	0
<p>Plasma Focus Studies in Serbia</p> <p>Authors (7): Vladimir Udovičić; Nikola Veselinović ... Dragan Lukić</p> <p>Published: 2014 in Journal of Modern Physics</p> <p>DOI: 10.4236/JMP.2014.52013</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center;">Not indexed in the Web of Science</div>
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<p>For manuscripts published from date range December 2000 - December 2023 (6)</p>	<p>Times Cited (All time)</p>
<p>Search for possible exomoons with FAST telescope</p> <p>Authors (1): Lukic, Dragan</p> <p>Published: Sep 2017</p> <p>Web of Science accession number: PPRN:12822626</p>	0
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