



PROFIL ISTRAŽIVAČA

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Narodna biblioteka Srbije, 12. april 2016.

Profil istraživača

- ▶ Skup svih strukturisanih i nestrukturisanih „tragova“ koje istraživač tokom karijere (svesno i nesvesno) ostavlja u različitim oblicima i plasira različitim kanalima, ali i informacija koje o njemu ostavljaju drugi akteri
- ▶ Savremeni kontekst: globalna mreža
- ▶ Tradicionalni i savremeni kanali

- ▶ Da bi se tragovi pravilno strukturisali i plasirali pravim kanalima treba poznavati principe funkcionisanja globalne mreže.



Profil istraživača (na globalnoj mreži)

- ▶ Objavljeni radovi (dostupni na sajtovima izdavača ili deponovani u digitalne repozitorijume);
- ▶ podaci koji se mogu naći u indeksnim bazama podataka;
- ▶ profili koje sami kreiraju na društvenim mrežama za naučnike;
- ▶ lične stranice na zvaničnim sajtovima institucija u kojima rade;
- ▶ profili na društvenim mrežama opšteg tipa;
- ▶ učešće u uređivanju sajtova i blogova;
- ▶ ostali „tragovi“ na globalnoj mreži.



Kontekst: globalna mreža

Globalna mreža i nauka

Razvoj globalne mreže izazvao je suštinske promene u svetu nauke. Ova tranzicija još uvek traje.

Nielsen, Michael, *Reinventing Discovery: The New Era of Networked Science* (Princeton University Press, 2012)

Karpf, David, 'Social Science Research Methods in Internet Time', *Information, Communication & Society*, 15 (2012), 639–61,
<http://dx.doi.org/10.1080/1369118X.2012.665468>

Linn, Marcia C., *Internet Environments for Science Education* (Routledge, 2013)

Hewson, Claire, Carl Vogel, and Dianna Laurent, *Internet Research Methods* (SAGE Publications, Limited, 2015)



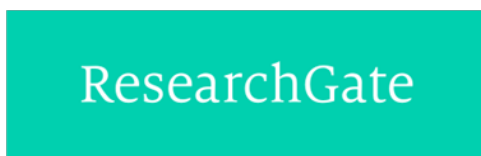
Komunikacija...

- ▶ ... se odvija brže, u realnom vremenu, bez zastoja...ali podrazumeva poznavanje i poštovanje nekih novih pravila.



Nove sfere naučne komunikacije

- ▶ forumi, blogovi, društvene mreže (opšte i specijalizovane)



THE **NAKED** SCIENTISTS



Blogovi:

<https://www.theguardian.com/science/blog/2010/jun/03/wanted-best-science-blogs>

<http://www.wired.com/category/science/science-blogs/>

<http://www.onlinecollege.org/2011/07/10/20-best-blogs-in-the-digital-humanities-2/>

Timski rad i kolaborativno pisanje

- ▶ Schöch, Christof, 'The Right Tool for the Job: Five Collaborative Writing Tools for Academics.', *Impact of Social Sciences*, 2014.
<http://blogs.lse.ac.uk/impactofsocialsciences/2014/04/04/five-collaborative-writing-tools-for-academics/>
- ▶ 'Collaborative Writing Tools for Academics and Students', *Strategist.ie*, 2014,
<http://www.strategist.ie/collaborative-writing-tools-for-academics-and-students/>
- ▶ Kouzes, R. T., J. D. Myers, and W. A. Wulf, 'Collaboratories: Doing Science on the Internet', *Computer*, 29 (1996), 40–46, <http://dx.doi.org/10.1109/2.532044>,
<https://legion.virginia.edu/people/faculty/pdfs/Collaboratories.pdf>
- ▶ Stommel, Jesse, 'Tools for Collaborative Writing', *Keep Learning*, 2014,
<http://learning.instructure.com/2014/02/tools-for-collaborative-writing/>
- ▶ Schreiber, Danny, 'A Deep Look at New Collaborative Writing Tools Editorially, Draft and Penflip', *The Zapier Blog*, <https://zapier.com/blog/collaborative-writing-tools-editorially-draft-penflip/>

Bibliografski alati – rad u grupi

- ▶ Zotero: <http://www.slideshare.net/bibsekcija/zotero-rad-u-grupi?ref=http://www.itn.sanu.ac.rs/sekcija/index.php/zotero>
- ▶ Mendeley: <http://support.mendeley.com/customer/en/portal/topics/76071-groups>



Nove forme naučne recenzije

- ▶ Birukou, Aliaksandr, Joseph Rushton Wakeling, Claudio Bartolini, Fabio Casati, Maurizio Marchese, Katsiaryna Mirylenka, and others, 'Alternatives to Peer Review: Novel Approaches for Research Evaluation', *Frontiers in Computational Neuroscience*, 5 (2011), <http://dx.doi.org/10.3389/fncom.2011.00056>
- ▶ DeCoursey, Thomas, 'The Pros and Cons of Open Peer Review', *Nature*, 2006, <http://dx.doi.org/10.1038/nature04991>
- ▶ Frod, Arran, 'Mentors, Mates or Metrics: What Are the Alternatives to Peer Review?', *EuroScientist Webzine*, 2014, <http://www.euroscientist.com/mentors-mates-or-metrics-what-are-the-alternatives-to-peer-review/>
- ▶ Vesnic-Alujevic, L., 'Peer Review and Scientific Publishing in Times of Web 2.0', *Publishing Research Quarterly*, 30 (2014), 39–49, <http://dx.doi.org/10.1007/s12109-014-9345-8>
- ▶ Ware, Mark, 'Peer Review: Recent Experience and Future Directions', *New Review of Information Networking*, 16 (2011), 23, <http://www.tandfonline.com/doi/abs/10.1080/13614576.2011.566812>
- ▶ 'Who's Afraid of Open Peer Review? – PeerJ Blog', <https://peerj.com/blog/post/100580518238/whos-afraid-of-open-peer-review/>

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Alternative tradicionalnoj bibliometriji

- ▶ 'Altmetrics: A Manifesto – Altmetrics.org', <http://altmetrics.org/manifesto>
- ▶ Priem, Jason, Heather A. Piwowar, and Bradley M. Hemminger, 'Altmetrics in the Wild: Using Social Media to Explore Scholarly Impact', *arXiv:1203.4745 [cs]*, 2012, <http://arxiv.org/abs/1203.4745>



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Problemi

- ▶ Naučnici imaju uvid u sve veće količine podataka relevantnih za njihova istraživanja, a istovremeno se suočavaju sa hiperprodukcijom irelevantnih i nekvalitetnih informacija.
- ▶ Istraživanja pokazuju da je kod naučnika primetna doza inercije u prihvatanju tehnoloških inovacija i da se većina drži uhodanih procedura i proverenih metoda sve dok oni daju rezultate.
- ▶ Problem raskoraka između digitalne i informacione pismenosti (zabluda o tzv. Gugl generaciji: *Information Behaviour of the Researcher of the Future* (London, 2008), http://www2.warwick.ac.uk/study/cil/courses/professionaldevelopment/wmcett/researchprojects/dialogue/the_google_generation.pdf)



Pisanje i objavljivanje naučnog rada

Pisanje naučnog rada

- ▶ Relevantna tema
- ▶ Odgovarajuća metodologija
- ▶ Validni rezultati
- ▶ Dobra argumentacija
- ▶ Poštovanje etičkih normi
- ▶ Dobra praksa
- ▶ Ispunjavanje tehničkih standarda

Van Gunsteren, Wilfred F., 'The Seven Sins in Academic Behavior in the Natural Sciences', *Angewandte Chemie International Edition*, 52 (2013), 118–22, <http://dx.doi.org/10.1002/anie.201204076>

McMurrey, David, 'Online Technical Writing: Free Online Textbook for Technical Writing', <https://www.prismnet.com/~hcexres/textbook/>

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Soule, Daniel P. J., Lucy Whiteley, and Shona McIntosh, eds., *Writing for Scholarly Journals: Publishing in the Arts, Humanities and Social Sciences* (Glasgow: eSharp, 2007), http://www.gla.ac.uk/media/media_41223_en.pdf

Whitesides, G. M., 'Whitesides' Group: Writing a Paper', *Advanced Materials*, 16 (2004), 1375–77, <http://dx.doi.org/10.1002/adma.200400767>

'Writing in the Humanities and Arts - UCLA Graduate Writing Center', <http://gsrc.ucla.edu/gwc/resources/writing-in-the-humanities-and-arts.html>

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- ▶ <http://www.itn.sanu.ac.rs/sekcija/index.php/kako-povecati-vidljivost-istrazivaca>

Ilustracije

- ▶ Biegel, Constance, and Prashant V. Kamat, 'Graphical Excellence in Scientific Presentations and Papers', <http://www3.nd.edu/~pkamat/pdf/graphs.pdf>
- ▶ Frow, Emma K., 'Drawing a Line: Setting Guidelines for Digital Image Processing in Scientific Journal Articles', *Social Studies of Science*, 42 (2012), 369–92, <http://dx.doi.org/10.1177/0306312712444303>
- ▶ 'How to Set up the Correct Print Resolution for a Scientific Figure', *somersault 18:24*, <http://www.somersault1824.com/how-to-set-up-the-correct-print-resolution-for-a-scientific-figure/>
- ▶ Rolandi, Marco, Karen Cheng, and Sarah Pérez-Kriz, 'A Brief Guide to Designing Effective Figures for the Scientific Paper', *Advanced Materials*, 23 (2011), 4343–46, <http://dx.doi.org/10.1002/adma.201102518>
- ▶ Rossner, Mike, and Kenneth M. Yamada, 'What's in a Picture? The Temptation of Image Manipulation', *The Journal of Cell Biology*, 166 (2004), 11–15, <http://dx.doi.org/10.1083/jcb.200406019>
- ▶ Rougier, Nicolas P., Michael Droettboom, and Philip E. Bourne, 'Ten Simple Rules for Better Figures', *PLOS Comput Biol*, 10 (2014), e1003833, <http://dx.doi.org/10.1371/journal.pcbi.1003833>

M. Nešić, Upotreba multimedija u istraživačkom radu,

<http://www.itn.sanu.ac.rs/sekcija/index.php/predavanje-i-radionica-upotreba-multimedija-u-istrazivackom-radu>



Bibliografija

- ▶ Uputstva za citiranje:

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- o Acta Kinesiologica
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Weekend reads: Disney retraction request; NEJM under fire; how to fight unfavorable reviews

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Written by Ivan Oransky
April 9th, 2016 at 9:30 am

Posted in [weekend reads](#)

Author didn't want photodiode paper "for her academic career"

with 2 comments

A paper on the characteristics of a photodiode has been ~~retracted~~ corrected because one of the authors "does not want this article for her academic career."

We don't often see this kind of reasoning in ~~retraction~~ notices, since adding to one's publication record is generally a good thing. But occasionally papers do get pulled when researchers are [included against their wishes](#).

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JRSM Short Rep (4)

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Retraction: Uranbey S. In vitro bulblet regeneration from immature embryos of endangered and endemic *Muscari azureum*. Arch biol sci. 2011; 63(1):209-15 doi: 10.2298/ABS1101209U

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Archives of Biological Sciences, 2015 67(3):1071-1071

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Archives of Biological Sciences, 2015 67(3):1073-1073

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Retraction: Popović T, Balaž J, Stanković S.: A method for the rapid detection and identification of halo blight pathogen on common bean. Arch biol sci. 2014; 66(4):1393-1400. DOI: 10.2298/ABS1404393P

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Archives of Biological Sciences, 2015 67(3):1075-1075

Details Full text (833 KB) DOI:10.2298/ABS150609074E

Retraction: Pogačnik M, Žnidarčič D, Strgar J. A school garden in biotechnical education. Arch biol sci. 2014; 66(2):785-92, DOI: 10.2298/ABS1402785P

Editorial

Archives of Biological Sciences, 2015 67(3):1077-1077

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References (46)

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- Shalek, A.K., Gaublotte, J.T., Wang, L., Yosef, N., Chevrier, N., Andersen, M.S., Robinson, J.T., (...), Park, H.

Nanowire-mediated delivery enables functional interrogation of primary immune cells: Application to the analysis of chronic lymphocytic leukemia

(2012) *Nano Letters*, 12 (12), pp. 6498-6504. Cited 39 times.

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Determination of Particle Size Distributions by Laser Diffraction

Zoran Stojanović, Smilja Marković, Dragan Uskoković

The paper deals with the main principles of determination of particle size distribution using Mastersizer 2000, Malvern Instruments Ltd., UK. On the example of several problems we have demonstrated that the method is not a routine one and that the measurement procedure is not limited to entering a sample into the dispersion unit and pressing the button. Furthermore, we have shown that the sample preparation method and, therefore, the accuracy of results conclusively depend on physical and chemical properties of the analyzed materials.

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ISSN:	0354-2300
Parent Title (English):	Technics - New Materials (Special Edition)
Publisher:	Savez inženjera i tehničara Srbije
Place of publication:	Beograd
Document Type:	Article
Language:	English
Date of Publication (online):	14.11.2013

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Authors Zoran Stojanović, Smilja Marković, Dragan Uskoković

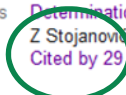
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Description The paper deals with the main principles of determination of particle size distribution using Mastersizer 2000, Malvern Instruments Ltd., UK. On the example of several problems we have demonstrated that the method is not a routine one and that the measurement procedure is not limited to entering a sample into the dispersion unit and pressing the button. Furthermore, we have shown that the sample preparation method and, therefore, the accuracy of results conclusively depend on physical and chemical properties of the ...

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Z Rizlan, O Mamat - Applied Mechanics and Materials, 2014 - Trans Tech Publ
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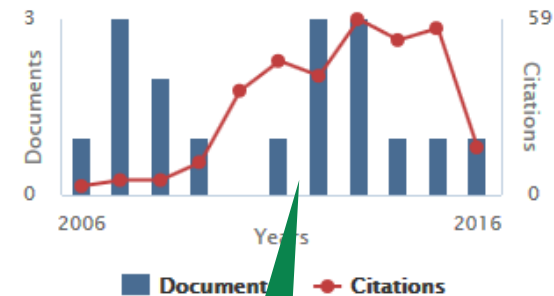
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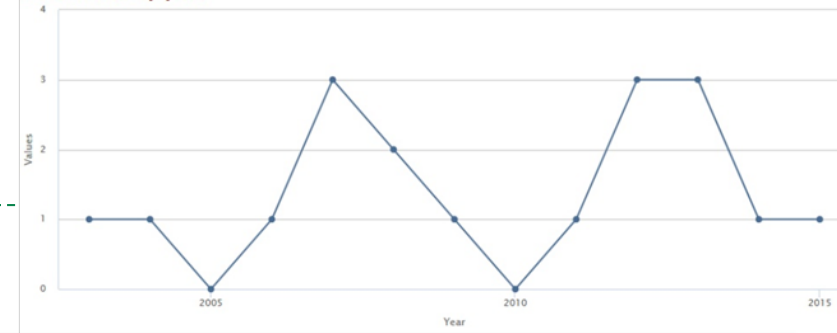
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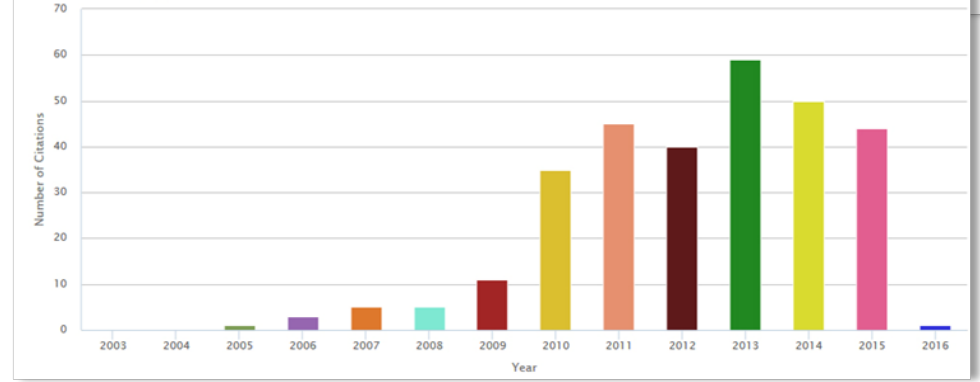
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Solid State Ionics	2
Ceramics International	1
Electrochimica Acta	1
Journal of Magnetism and Magneti...	1
Journal of Optoelectronics and Ad...	1
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Solid State Ionics	11.1%
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Journal of Optoelectronics and Ad...	5.6%
Materials Research Bulletin	5.6%
Surface Review and Letters	5.6%
Other	5.6%

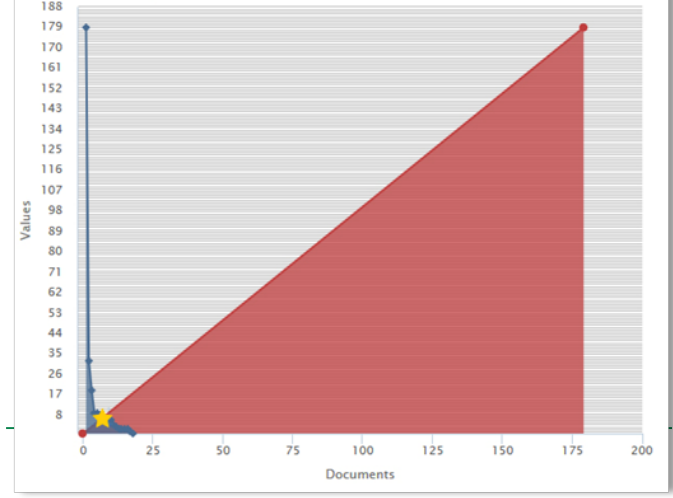
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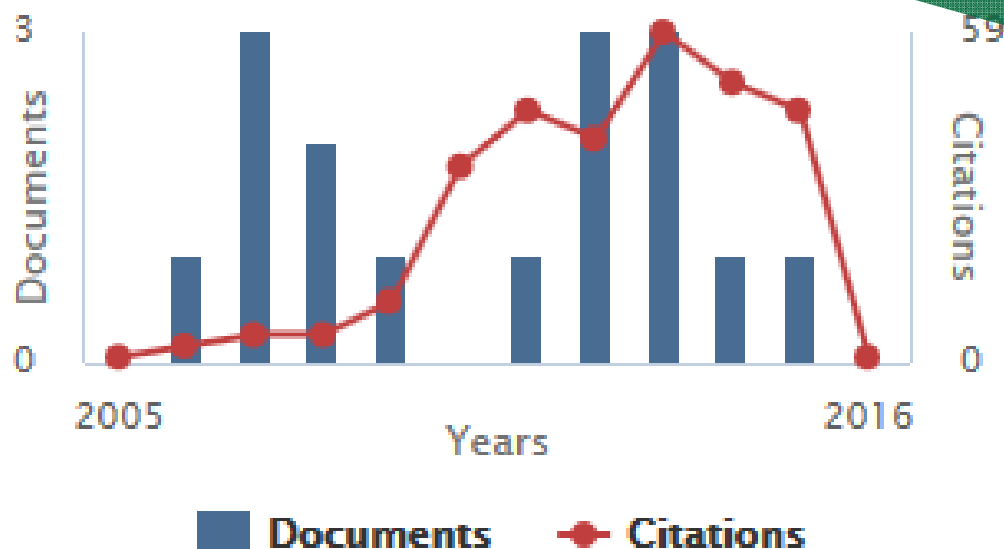
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Times Cited: 166
DOI: [10.1016/j.jpowsour.2009.01.074](https://doi.org/10.1016/j.jpowsour.2009.01.074)
- Title: Synthesis and characterization of LiFePO₄/C composite obtained by sonochemical method
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Source: *Solid State Ionics* Volume: 179 Issue: 11-12 Pages: 415-419 Published: 2008
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DOI: [10.1016/j.ssi.2008.03.014](https://doi.org/10.1016/j.ssi.2008.03.014)
- Title: Preparation of LiFePO₄/C composites by co-precipitation in molten stearic acid
Author(s): Jugovic, D; Mitric, M; Kuzmanovic, M; et al.
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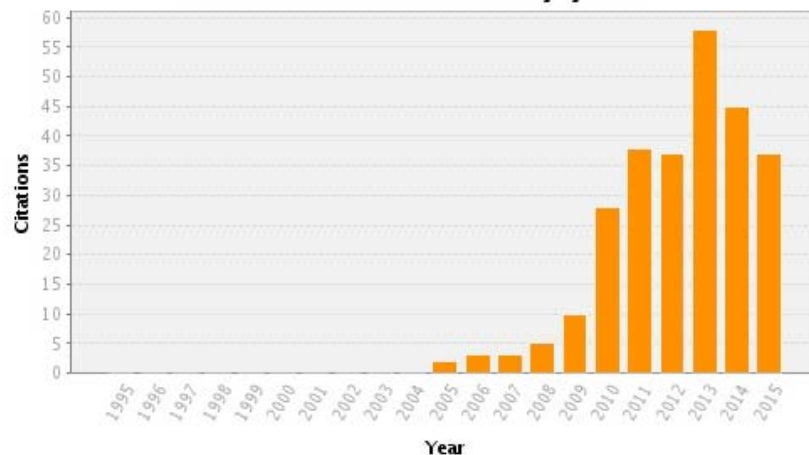
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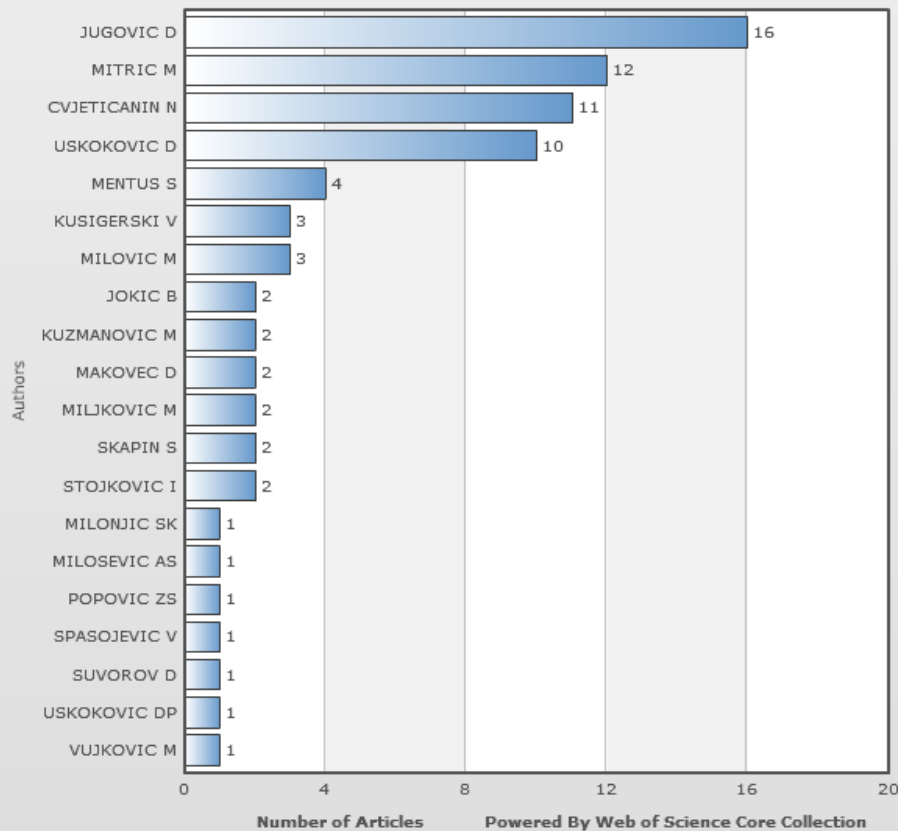
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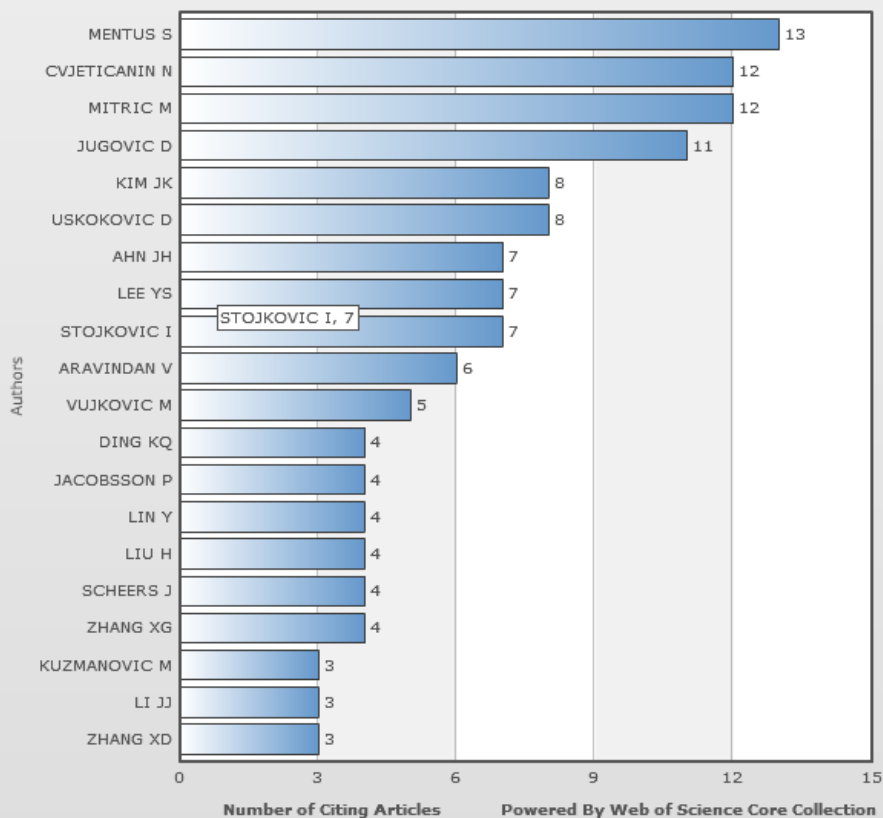


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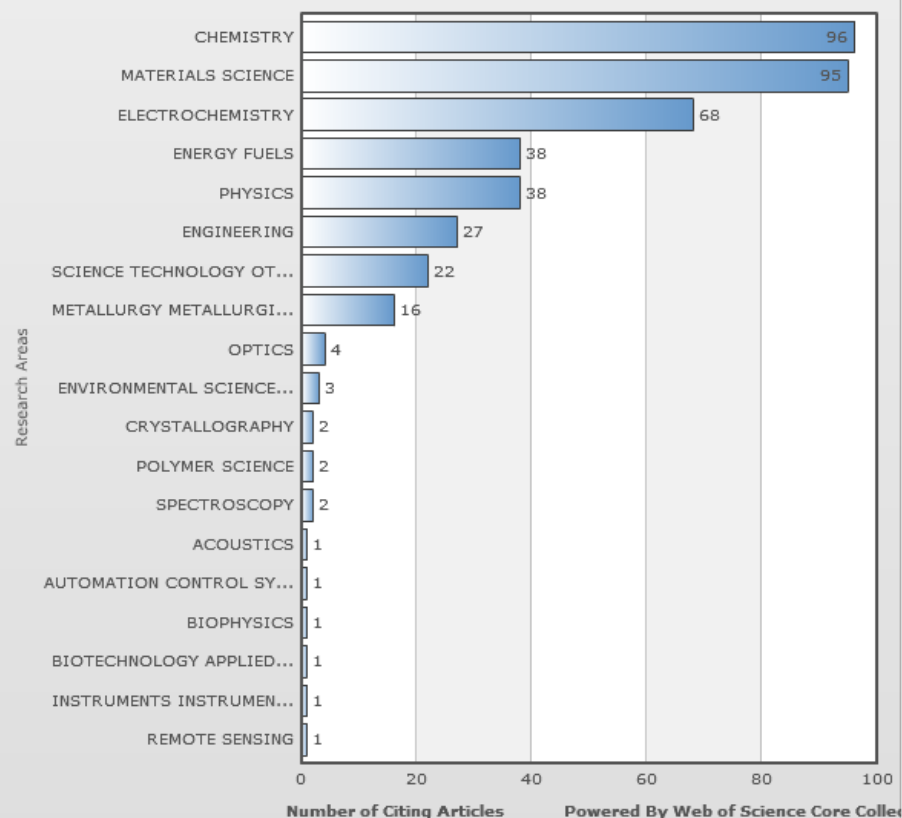
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**1. A review of recent developments in the synthesis
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Times Cited: **156** (*Web of Science Core Collection*®)

**2. Synthesis and characterization of LiFePO₄/C composite
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Dragana Jugovic
ORCID ID
orcid.org/0000-0001-6363-0825

Country
Serbia
Keywords
cathode materials, fine particles,
aerosol synthesis, crystallography,
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Education (1) Sort
University of Belgrade, Faculty of Physical Chemistry: Belgrade, Serbia
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Institute of Technical Sciences of the Serbian Academy of Sciences and Arts: Belgrade, Serbia
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Structural study of monoclinic Li₂FeSiO₄ by X-ray diffraction and Mössbauer spectroscopy
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DOI: 10.1016/j.jpowsour.2014.04.121, EID: 2-s2.0-84900857654
URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84900857654&partnerID=M...>
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Properties of quenched LiFePO₄/C powder obtained via cellulose matrix-assisted method
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ISSN: 00325910 1873328X, DOI: 10.1016/j.powtec.2013.06.021, EID: 2-s2.0-84879999252
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Keywords: electrochemistry; cathode materials; lithium compounds; ultrasonic spray pyrolysis; lithium batteries; lifepo4; olivine; lithium iron phosphate; li ion batteries; lithium iron phosphate batteries; aerosol synthesis

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Nenad L. Ignjatović, coresponding member of the Academy of Engineering Sciences of Serbia since 2012, Principal Research Fellow and Professor, was born on October 12, 1967, in Smederevska Palanka, Serbia.

He received the BSc. degree in 1994, the MSc. degree in 1996, and the PhD degree at [tmore...](#)

Publications

All (30)



Determination of thermodynamic interactions of poly(l-lactide) and biphasic calcium phosphate/poly(l-lactide) composite by inverse gas chromatography at infinite dilution

Nastasović A, Ignjatović N, Uskoković D, Marković D, Ekmešić B, Maksin D et al.

Journal of Materials Science (2014)

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Investigating an organ-targeting platform based on hydroxyapatite nanoparticles using a novel in situ method of radioactive ¹²⁵Iodine labeling

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by M Jevtić, a Radulović, N Ignjatović, M Mitrić, D Uskoković

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Acta biomaterialia (2009)

Volume: 5, Issue: 1, Pages: 208-18

ISSN: 1878-7568

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DOI: 10.1016/j.actbio.2008.07.026

PubMed: 18753023

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Abstract

An ultrasound field was applied to obtain PLGA/HAp biocomposite nanospheres. Formulation of PLGA/HAp composite revealed significant dependence of the morphology of the obtained composite on synthesis parameters, like the intensity of applied ultrasonic field, polymeric and ceramic parts' wt.% ratio in the composite, temperature of the medium, type of surfactant, and the sequence of steps in the formation of PLGA/HAp. Optimal parameters for the formation of PLGA/HAp included a lower content of the ceramic phase (PLGA/HAp=90:10), higher power of ultrasonic field (P=142.4W), lower temperature of the medium during ultrasonic treatment (T=8 degrees C), dilute solution of PVP as surfactant and dispersion of hydroxyapatite in polymer solution in order to achieve required homogeneity before the formulation of the composite. The morphology of PLGA/HAp particles synthesized under these conditions was highly regular: sphere-like, with particles of very small dimensions (150-320nm), highly uniform particle size distribution and characteristic planar spatial self-organization. These characteristics indicate significant improvements in PLGA/HAp composite resulting from ultrasonic method.

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PhD

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Article: Kinetics of heterogeneous methanolysis of sunflower oil with CaO-ZnO catalyst: Influence of different hydrodynamic conditions

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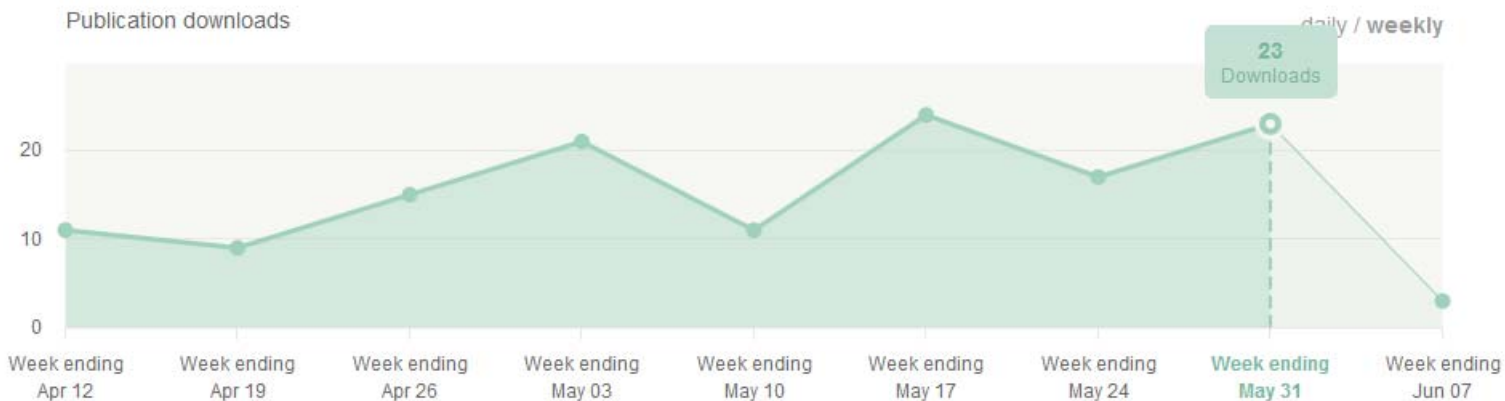
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I went information about the whole process of thermolysis and it's importance in chemistry

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John George Hardy asked a question:

Please can anyone inform me of scholarships to enable Indian students to do their PhD in England (UK)?

Dear all, I am keen to recruit students from overseas to join my research team at the new Department of Chemistry at Lancaster University. If you know of grants/scholarships to enable Indian [\[more\]](#)

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Inno Davidson asked a question:

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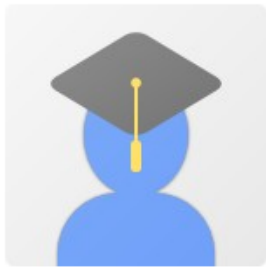
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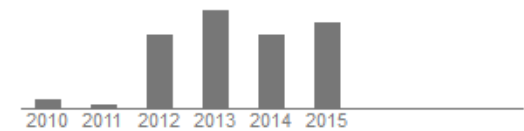
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M Lukić, Z Stojanović, SD Škapin, M Maček-Kržmanc, M Mitrić, S Marković, ... Journal of the European Ceramic Society 31 (1), 19-27			
Synthetical bone-like and biological hydroxyapatites: a comparative study of crystal structure and morphology		20	2011
S Marković, L Veselinović, MJ Lukić, L Karanović, I Bračko, N Ignjatović, ... Biomedical Materials 6 (4), 045005			
Peculiarities in sintering behavior of Ca-deficient hydroxyapatite nanopowders		5	2012
MJ Lukić, L Veselinović, Z Stojanović, M Maček-Kržmanc, I Bračko, ... Materials Letters 68, 331-335			
Processing route to fully dense nanostructured HAp Bioceramics: From powder synthesis to sintering		4	2012
MJ Lukić, SD Škapin, S Marković, D Uskoković Journal of the American Ceramic Society 95 (11), 3394-3402			
Designing, fabrication and characterization of nanostructured functionally graded HAp/BCP ceramics		2	2015
S Marković, MJ Lukić, SD Škapin, B Stojanović, D Uskoković Ceramics International 41 (2), 2654-2667			
45S5 Bioglass®-based scaffolds coated with selenium nanoparticles or with poly (lactide-co-glycolide)/selenium particles: Processing, evaluation and antibacterial activity		1	2015
M Stevanović, N Filipović, J Djurdjević, M Lukić, M Milenković, ... Colloids and Surfaces B: Biointerfaces			



Citati

Strukturne i termijske karakteristike mehanohemijski tretiranih metalnih prahova

M Zdujić - 1996 - itn.sanu.ac.rs

... Metadaten. Author: Miodrag Zdujić. URL: <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/442>. URL: <http://eteze.bg.ac.rs/application/showtheses?thesesId=492>. URL: <http://www.dart-europe.eu/full.php?id=829419>. DOI: <http://dx.doi.org/10.2298/BG19960424ZDUJIC>. ...

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Mechanochemical treatment of inorganic materials

MV Zdujić - Hemijska industrija, 2001 - scindeks.ceon.rs

Mechanochemical treatment implies as the milling of one or more powders in various types of mills. This paper reviews the main aspects of mechanochemical treatment such as:(a) commonly used milling units-attribution mills, vibrating mills, horizontal ball mills and ...

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M Petrov, M Sokić, Z Gulišija, V Matković... - Zaštita ..., 2014 - scindeks.ceon.rs

In this paper the possibility of obtaining masking pigment mechanochemically thermal process and the energy share of mechanochemical treatment in obtaining masking pigment by stoichiometric formula (Co 0.51 Zn 0.29 Mg 0.41 Cr 1.24 Al 0.24 Ti 0, 31 O 4). ...

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PROFILE

Nenad

Institute of Technica
The Academy of Eng

BIO

Nenad L. Ignjatovic
1994, the MSc degree
Belgrade, in 2001. H
Ignjatovic has been
Ignjatovic was elect
Engineering Science

He was a member o
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Effects of phenolic-rich extracts of Clinacanthus nutans on high fat and high cholesterol diet-induced insulin resistance

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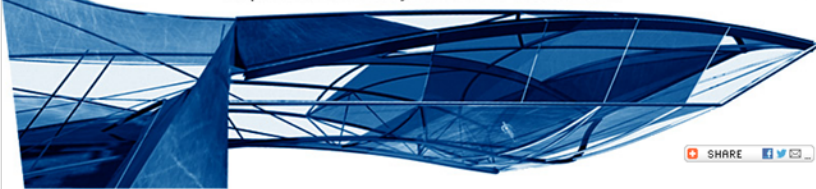
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Rođena je 1968.godine u Zaječaru. Završila je Tehnički fakultet u Boru 1992. godine, gde je i magistrirala 1996. sa temom *Sinteza i karakterizacija superprovodnog $Bi_{1.8}Pb_{0.2}Ca_2Cu_3O_{10}$ oksida*. Doktorirala je 2004. godine u Centru za multidisciplinarnu studiju Univerziteta u Beogradu sa tezom *Dingovana sinteza nanostrukturnih oksidnih prahova s gledišta razvoja materijala zadatih svojstava*. Izabrana je u zvanje naučnog saradnika u Centru za multidisciplinarnu studiju u Beogradu 2004. godine. Od 2006 godine, u okviru svog postdokorskog usavršavanja više puta je boravila na Pontificia Universidade Catolica do Rio de Janeiro, gde je radila na sintezi 1D nanomaterijala. Koordinator je naučnih istraživanja definisanih ugovorom o saradnji u oblasti kulture, obrazovanja i nauke između *Faculdades Catolicas* (Brazil) i Instituta tehničkih nauka SANU. U zvanje višeg naučnog saradnika izabrana je 2009. godine. U zvanje naučnog savetnika izabrana je 2014.

Oblasti interesovanja: sinteza i karakterizacija nanostrukturnih funkcionalnih materijala dobijenih reakcijama u aerosolu, hidrotermalnom sintezom i procesima interkalacije i

Veze ka profilima u referentnim bazama podataka i na društvenim mrežama za naučnike

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Najznačajnije publikacije

1. D. J. Jovanović, I. M. Dugandžić, G. Čirić-Marjanović, T. Radetić, S.P. Ahrenkiel, O.B. Milošević, J.M. Nedeljković, Z.V. Šaponjić, L. T. Mancic, "Spherical assemblies of titania nanotubes generated through aerosol processing", *Ceramics International*, 2015, <http://dx.doi.org/10.1016/j.ceramint.2015.07.205>
2. A. Peleš, V.P. Pavlović, S. Filipović, N. Obradović, L. Mančić, J. Krstić, M. Mitrić, B. Vlahović, G. Rašić, D. Kosanović, V.B. Pavlović, "Structural Investigation of Mechanically Activated ZnO powder", *Journal of Alloys and Compounds*, 648 (2015) 971-979, <http://dx.doi.org/10.1016/j.jallcom.2015.06.247>
3. B. A. Manjković, P.I. Pontón, J.M. Resende, S. Letichevsky, M. Habran, J.B. Viol, O. Pandolfi, L. Mancic, Lepidocrocite-like ferrititanate nanosheets and their full exfoliation with quaternary ammonium compounds, *Materials & Design*, 2015, <http://dx.doi.org/10.1016/j.matdes.2015.06.171>

Veza ka radu na sajtu izdavača



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