

Бр. 138/1

23.04. 2015. год.

Кнез Михајлова 35/IV, Београд, ПФ 377
Тел. 2636-994, 2185-437, Факс: 2185-263

Научном већу

Института техничких наука САНУ

Кнез Михаилова 35, Београд

Молба

Молим Научно веће Института техничких наука САНУ да у складу са Правилником о поступку и начину вредновања и квантитативном исказивању научно-истраживачких резултата (на основу члана 14, став 1, тачка 8 и члана 70, тачка 8 и 9, Закона о научноистраживачкој делатности (Службени гласник РС, бр. 110/5 и 50/06 – исправка)) покрене поступак за избор у звање др Владимира Благојевића у звање научни сарадник.

За чланове Комисије за припрему извештаја Научном већу предлажем:

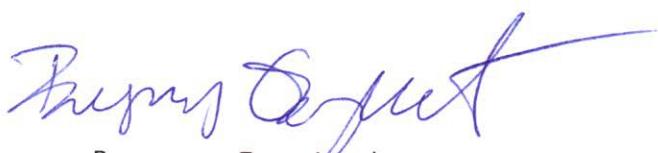
1. Проф. др Драгица Минић, научни саветник и редовни професор на Државном Универзитету у Новом Пазару
2. Др Нина Обрадовић, виши научни сарадник Института техничких наука САНУ
3. Др Магдалена Стевановић, виши научни сарадник Института техничких наука САНУ

У прилог достављам:

1. Стручну биографију
2. Библиографију
3. Цитираност
4. Решење о признавању стране високошколске исправе

С поштовањем,

У Београду, 23.04.2015.



др Владимир Благојевић

истраживач сарадник Института техничких наука САНУ

Прилог

Стручна биографија

Благојевић Владимир је дипломирао на Факултету за физичку хемију 2002. године (просек 8,3) са темом „Синтеза и карактеризација аморфних прахова метала“, стекавши звање дипломираног физикохемичара. Исте године је уписао постдипломске студије на Универзитету Колумбија (Сједињене Америчке Државе), одсек за хемију. Докторирао је одбравнивши докторску тезу под називом „Синтеза и физичка својства оксида ванадијума и титанијума“ 7. августа 2007. године. 2008. и 2009. године је био постдокторант на Универзитету Вотерлу (Канада), где је радио на функционализацији квантних тачака и синтези мултифериочних материјала допирањем баријум-титаната. Од 2009-2015. је радио као самостални истраживач на пројектима у сарадњи са проф. Драгицом Минић (Факултет за физичку хемију). Такође, руководио је пројектом модификације титанијум-оксидних електрода за соларне ћелије (у сарадњи са Универзитетом „Тор Вергата“ у Риму, група проф. Ди Карла) и развојем ThermV софтверског пакета за термичку анализу, и консултовао на развоју нове генерације каталитичких материјала за ауто-индустрију за компанију Вида Холдингс (Канада).

Запослен је у Институту техничких наука САНУ од 1. априла 2015. године. Као истраживач сарадник је ангажован на пројекту ОИ 172057 под називом „Усмерена синтеза, структура и својства мултифункционалних материјала“, којим руководи проф. др Владимир Павловић.

Ужа област интересовања су обновљиви извори енергије, теоријско моделовање система и развој нових каталитичких материјала.

Рецензент је часописа Materials Science and Engineering B, Materials Chemistry and Physics и ChemCatChem.

Објављени радови

Рад у врхунском међународном часопису M21

1. N. N. Begović, V. A. Blagojević, S. B. Ostojić, A. M. Radulović, D. Poleti, D. M. Minić, *Step-Wise Thermal Degradation of [Ni₂(en)₂(H₂O)₆(pyr)]·4H₂O Flexible Coordination Polymer*, Mat. Chem. Phys 149-150 (2015), 105-112.
(<http://www.sciencedirect.com/science/article/pii/S0254058414006348>) IF: 2.129
2. D. M. Minić, V. A. Blagojević, *Hydrothermal Synthesis and Ligand Controlled Growth of Vanadium Oxide Nanostructures*, CrystEngComm, 2013, 15 (33), 6617 – 6624
(<http://pubs.rsc.org/en/content/articlelanding/2013/ce/c3ce40830b>) IF: 3.858
3. V. A. Blagojević, M. Vasić, B. David, D. M. Minić, N. Pizúrová, T. Žák, D. M. Minić, *Microstructure and Functional Properties of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy*, Mater. Chem. Phys., 145 (2014) 12-17
(<http://www.sciencedirect.com/science/article/pii/S0254058413007876>) IF: 2.129
4. V. A. Blagojević, M. Vasić, B. David, D. M. Minić, N. Pizúrová, T. Žák, D. M. Minić, *Thermally induced crystallization of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy*, Intermetallics, 45 (2014) 53-59
(<http://www.sciencedirect.com/science/article/pii/S0966979513002616>) IF: 2.119
5. V. A. Blagojević, M. Vasić, D. M. Minić, D. M. Minić, *Thermally Induced Structural Transformations and Their Effect on Functional Properties of Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} amorphous alloy*, Mater. Chem. Phys., 142 (2013) 207-212
(<http://www.sciencedirect.com/science/article/pii/S0254058413005300>) IF: 2.129
6. D. M. Minić, V. A. Blagojević, D. M. Minić, B. David, N. Pizúrová, T. Žák, *Nanocrystal growth of iron nanorods in thermally treated Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy*, Metall. Mater. Trans. A 43 (2012) 3062-3069
(<http://link.springer.com/article/10.1007/s11661-012-1161-1>) IF: 1.730
7. D. M. Minić, V. A. Blagojević, A. M. Maričić, T. Žák, D. M. Minić, *Influence of structural transformations on functional properties of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy*, Mater. Chem. Phys. 134 (2012) 111–115
(<http://www.sciencedirect.com/science/article/pii/S0254058412001939>) IF: 2.129
8. D. M. Minić, V. A. Blagojević, D. M. Minić, B. David, N. Pizúrová, T. Žák, *Influence of thermal treatment on microstructure of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy*, Intermetallics 25 (2012) 75-79
(<http://www.sciencedirect.com/science/article/pii/S0966979512000696>) IF: 2.119
9. D. M. Minić, V. A. Blagojević, D. M. Minić, A. Gavrilović, T. Žak, *Influence of microstructural inhomogeneity of individual sides of Fe₈₁Si₄B₁₃C₂ amorphous alloy ribbon on thermally induced structural transformations*, Mater. Chem. Phys. 130 (2011) 980-985
(<http://www.sciencedirect.com/science/article/pii/S025405841100695X>) IF: 2.129

10. A. Maričić, D.M. Minić, V. A. Blagojević, A. Kalezić-Glišović, D. M. Minić, *Effects of structural relaxation on functional properties of amorphous alloy $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$* , *Intermetallics* 21 (2012) 45-49
[\(<http://www.sciencedirect.com/science/article/pii/S0966979511003013>\)](http://www.sciencedirect.com/science/article/pii/S0966979511003013) IF: 2.119
11. V. A. Blagojević, D. M. Minić, T. Žak, D. M. Minić, *Influence of thermal treatment on structure and microhardness of $Fe_{75}Ni_2Si_8B_{13}C_2$ amorphous alloy*, *Intermetallics* 19 (2011) 1780-1785
[\(<http://www.sciencedirect.com/science/article/pii/S0966979511002500>\)](http://www.sciencedirect.com/science/article/pii/S0966979511002500) IF: 2.119
12. D. M. Minić, V. A. Blagojević, D. M. Minić, A. Gavrilović, L. Rafailović, T. Žak, *Influence of microstructure on microhardness of $Fe_{81}Si_4B_{13}C_2$ amorphous alloy after thermal treatment*, *Metall. Mater. Trans. A*, 42 (2011) 4106-4112
[\(<http://link.springer.com/article/10.1007/s11661-011-0795-8>\)](http://link.springer.com/article/10.1007/s11661-011-0795-8) IF: 1.730
13. D. M. Minić, V. Blagojević, D. G. Minić, A. Gavrilović, L. Rafailović, *Influence of thermally induced structural transformations on hardness in $Fe_{89.8}Ni_{1.5}Si_{5.2}B_3C_{0.5}$ amorphous alloy*, *J. Alloys. Compd.* 509 (2011) 8350-8355
[\(<http://www.sciencedirect.com/science/article/pii/S0925838811005676>\)](http://www.sciencedirect.com/science/article/pii/S0925838811005676) IF: 2.726
14. V. A. Blagojevic, J. P. Carlo, L. E. Brus, M. L. Steigerwald, Y. J. Uemura, S. J. L. Billinge, W. Zhou, P. W. Stephens, A. A. Aczel, and G. M. Luke; *Magnetic Phase Transition in V_2O_3 Nanocrystals*, *Phys. Rev. B* 82 (2010) 094453
[\(<http://journals.aps.org/prb/pdf/10.1103/PhysRevB.82.094453>\)](http://journals.aps.org/prb/pdf/10.1103/PhysRevB.82.094453) IF: 3.664
15. V. A. Blagojevic, Y. R. Chen, M. L. Steigerwald, R. Friesner, L. E. Brus, *Quantum Chemical Investigation of Cluster Models for TiO_2 Nanoparticles with Water-Derived Ligand Passivation: Studies of Excess Electron States and Implications for Charge Transport in the Graetzel Cell*; *J. Phys. Chem. C* 113 (46) (2009) 19806-19811
[\(<http://pubs.acs.org/doi/pdf/10.1021/jp905332z>\)](http://pubs.acs.org/doi/pdf/10.1021/jp905332z) IF: 4.853

Рад у истакнутом међународном часопису M22

1. N. N. Begović, N. N. Stojanović, S. B. Ostojić, A. M. Radulović, V. A. Blagojević, D. M. Minić, *Thermally induced polymerization of binuclear $[Ni_2(en)_2(H_2O)_6(pyr)] \cdot 4H_2O$ complex*, *Thermochimica Acta* 607 (2015) 82-91
[\(<http://www.sciencedirect.com/science/article/pii/S0040603114004730>\)](http://www.sciencedirect.com/science/article/pii/S0040603114004730) IF: 2.105
2. N. N. Begović, V. A. Blagojević, S. B. Ostojić, D. M. Micić, N. Filipović, K. Andjelković, D. M. Minić, *Thermally Induced Structural Transformations of a Series of Palladium(II) Complexes with N-Heteroaromatic Bidentate Hydrazone Ligands*, *Thermochimica Acta* 592 (2014) 23 – 30
[\(<http://www.sciencedirect.com/science/article/pii/S004060311400361X>\)](http://www.sciencedirect.com/science/article/pii/S004060311400361X) IF: 2.105
3. M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, *Kinetics and mechanism of thermally induced crystallization of amorphous $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ alloy*, *Thermochim. Acta* 584 (2014) 1-7
[\(<http://www.sciencedirect.com/science/article/pii/S0040603114001191>\)](http://www.sciencedirect.com/science/article/pii/S0040603114001191) IF: 2.105

4. M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, *Mechanism of Thermal Stabilization of Fe₈₁Si₄B₁₃C₂ amorphous alloy*, Thermochim. Acta, 572 (2013) 45-50 (<http://www.sciencedirect.com/science/article/pii/S0040603113004917>) IF: 2.105
5. M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, *Mechanism of Thermal Stabilization of Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} Amorphous Alloy*, Thermochim. Acta, 562 (2013) 35-41 (<http://www.sciencedirect.com/science/article/pii/S0040603113001792>) IF: 2.105
6. V. A. Blagojević, M. Vasić, D. M. Minić, D. M. Minić, *Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe₇₅Ni₂Si₈B₁₃C₂ alloy*, Thermochim. Acta, 549 (2012) 35-41 (<http://www.sciencedirect.com/science/article/pii/S0040603112004418>) IF: 2.105
7. D. G. Minić, V. A. Blagojević, Lj. E. Mihajlović, V. R. Čosović, D. M. Minić, *Kinetics and mechanism of structural transformations of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy induced by thermal treatment*, Thermochim. Acta, 519(2011) 83-89 (<http://www.sciencedirect.com/science/article/pii/S0040603111001523>) IF: 2.105

Рад у часопису међународног значаја М23

1. M. Šumar-Ristović, M. Gruden-Pavlović, M. Zlatar, V. Blagojević, K. Andjelković, D. Poleti, D. Minić, *Kinetics, mechanism and DFT calculations of thermal degradation of Zn(II) complex with N-benzyloxycarbonylglycinato ligand*, Monatshefte für Chemie - Chemical Monthly, 143 (2012) 1133-1139 (<http://link.springer.com/article/10.1007/s00706-012-0793-6>) IF: 1.347
2. N. Begović, M. Vasić, A. Grković, V. Blagojević, Dragica Minić, *Isokinetic parameters of thermal degradation of powder of [Cd(N-Boc-gly)₂(H₂O)₂]_n*, Sci. Sintering, 46(3) (2014) (http://www.iiss.sanu.ac.rs/download/vol46_3/vol46_3_06.pdf) IF: 0.444
3. M. Šumar-Ristović, D. M. Minić, V. Blagojević, K. Andjelković, *Kinetics of Multi-Step Processes of Thermal Degradation of Co(II) Complex With N-Benzyl oxycarbonylglycinato Ligand. Deconvolution of DTG Curves*, Science of Sintering, 46(1) (2014) 37-53 (http://www.iiss.sanu.ac.rs/download/vol46_1/vol46_1_04.pdf) IF: 0.444
4. V. A. Blagojević, N. Obradović, N. Cvjetićanin, D. M. Minić, *Influence of dimensionality on phase transition in VO₂ nanocrystals*, Sci. Sintering, 45(3) (2013) 305-311 (http://www.iiss.sanu.ac.rs/download/vol45_3/vol45_3_06.pdf) IF: 0.444

Рад у часопису међународног значаја верификованог посебном одлуком M24

1. D. M. Minić, V. A. Blagojević, D. M. Minić, *Uticaj termičkog tretmana na strukturu i svojstva amorfne legure Fe₇₅Ni₂Si₈B₁₃C₂*, Hemijnska Industrija - Chemical Industry, 66(5) (2012) 769-780
(http://www.ache.org.rs/HI/2012/No5/HEMIND_Vol66_%20No5_p769-779_Sep-Oct_2012.pdf) IF: 0.562

Рад у часопису националног значаја M52

1. D. Minić, V. Blagojević, D. Minić, *Uticaj zagrevanja na funkcionalna svojstva amorfne legure Fe₈₁B₁₃Si₄C₂*, Tehnika 3/2013 (2013) 439-450
(<http://www.sits.org.rs/include/data/docs0435.pdf>)

Монографска студија/поглавље у књизи М11 или рад у тематском зборнику водећег међународног значаја М13

1. D. M. Minić, V. A. Blagojević, D. M. Minić, *Mechanism and kinetics of crystallization of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy*, Amorphous Materials: New Research, Nova Science, ISBN: 978-1-62417-718-7 (2013)

Монографска студија/поглавље у књизи М12 или рад у тематском зборнику међународног значаја М14

1. V. A. Blagojević, J. Grbović-Novaković, D. G. Minić, D. M. Minić, *Hydrogen Economy: Modern Concepts, Challenges and Perspectives*, Hydrogen Energy - Challenges and Perspectives, Editor: D. M. Minić, InTech, ISBN 980-953-307-277-2, (2013) doi: 10.5772/46098
(<http://www.intechopen.com/books/hydrogen-energy-challenges-and-perspectives/hydrogen-economy-modern-concepts-challenges-and-perspectives>)
2. D. M. Minić, V. A. Blagojević, D. M. Minić, *Fe-Based Nanocomposite Formed by Thermal Treatment of Amorphous Fe₈₁B₁₃Si₄C₂ Alloy*, Crystallization - Science and Technology, Editor: M. R. B. Andreeta, InTech, ISBN 979-953-307-624-8 (2012)
(<http://www.intechopen.com/books/crystallization-science-and-technology/fe-based-nanocomposite-formed-by-thermal-treatment-of-rapid-quenched-fe81b13si4c2-alloy>)

Саопштење са међународног скупа штампано у целини МЗ3

1. V. Blagojević, A. Maričić, B. Jordović, D. Minić, *Synthesis and Characterization of Amorphous Cobalt Powders*, Science of Sintering: Current Problems and New trends, Proceedings of WRTCS: X World Round Table Conference on Sintering, Serbian Academy of Sciences and Arts, Belgrade, (2003) 465-469
2. D.M. Minić, M. Šumar-Ristović, A. Grković, V. Blagojević, D. Poleti, K. Andjelković, *Mechanism and Kinetics of degradation of d-Metal Complexes with N-benzyloxycarbonylglycinato Ligand*, 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2012, Volume I, p.191-193.
3. D.M. Minić, S. Meseldžija, M. Vasić, V.A. Blagojević, *Microstructure and Crystal Growth in Thermally Treated Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Alloy*, 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2012, Volume I, p.474-476.
4. D.M. Minić, L.Vesce, D.G. Minić, A.Di Carlo, V.A. Blagojević, *Effect of Deposition of Vanadium Oxide Nanolayer on Perfomance of TiO₂ Dye-sensitized Solar Cell Electrode*, 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2012, Volume I, p.324-326.
5. Milica M. Vasić, Dušan M. Minić, Vladimir A. Blagojević, Tomáš Žák, Naděžda Pizúrová, Bohumil David, Dragica M. Minić, *Thermal stability and mechanism of thermally induced crystallization of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy*, 13th International Symposium on Physics of Materials, Prague, 31.8-4.9. 2014
6. Milica M. Vasić, Vladimir A. Blagojević, Dušan M. Minić, Bohumil David, Tomáš Žák, Dragica M. Minić, *Kinetics of crystallization of α-(Fe,Ni) phases in amorphous Fe_{37.5}Ni_{17.5}Cr₅Co₁₅B₁₅Si₁₀ alloy*, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2014
7. N. Begović, V. A. Blagojević, S. B. Ostojić, A. A. Radojević, D. Poleti and D. M. Minić, *Reversible 3D to 2D transformation of Ni-based coordination polymer*, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2014
8. A. Rašović, D. Minić, M. Baranac-Stojanović, V. Blagojević and Rade Marković, *Barrier to rotation around C=C bond as a means to quantify push-pull effects of selected*

Саопштење са међународног скупа штампано у изводу М34

1. Blagojevic V., Steigerwald M. L., Brus L. E., *Metal-Insulator Phase Transition and Synthesis of VO₂ Nanoribbons*, Gordon Research Conference, Solid State I, Colby-Sawyer College, New London, NH, USA, 2006
2. I. Herman, S. Banerjee, V. Blagojevic, K. Petersen, M. Malhotra, M. Steigerwald, L. Brus , *Dielectrophoretic alignment of VO₂ nanowires in device geometries*, APS Meeting Abstracts 2007/3, vol. 1, 43009
3. JP Carlo, YJ Uemura, V Blagojevic, ML Steigerwald, LE Brus, SJL Billinge, W Zhou, GM Luke, AA Aczel, GJ MacDougall, PW Stephens, *Concurrent structural and magnetic phase transition in nanopowder V₂O₃*, APS Meeting Abstracts 2009/3, vol. 1, 30002
4. M. Šumar-Ristović, V. Blagojević, M. Gruden-Pavlović, K. Anđelković, D. Poleti, D. M. Minić; *Kinetics and Mechanism of Thermal Degradation of Zn(II) Complex with N-benzyloxycarbonyl-glycinato ligand*; 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry, Craiova, Romania, September 6-10, 2011. Book of Abstracts PS1.41.
5. D. M. Minić, N. Filipović, V. A. Blagojević, *Kinetics of Crystallization and Phase Transformation of Fe75Ni2Si8B13C2 Amorphous Alloy*; YUCOMAT 2011, Herceg Novi, Montenegro, September 5-9, 2011, Program and the book of abstracts, P.S.A.39.
6. V. Blagojević, M. Vasić, A. Grković, D. Minić, D. Minić, *Influence of Thermally Induced Structural Transformations on Magnetic Properties of Fe₇₅Ni₂Si₈B₁₃C₂ Alloy*, The First Serbian Ceramic Society Conference „Advanced Ceramics and Application” Beograd 2012, Program and the book of abstracts, p12.
7. Milica M. Vasić, Vladimir A. Blagojević, Dušan M. Minić, Dragica M. Minić, *Kinetics of Crystallization of Fe89.8Ni1.5Si5.2B3C0.5 Amorphous Alloy*, Joint event of 11th Young Researchers' Conference: Materials Science and Engineering and the 1st European Early Stage on Hyrogen Storage, Belgrade (2012), E17, p 158

8. Dragica M. Minić Dejan G. Minić, Vladimir A. Blagojević, *Vanadium Oxide as Hydrogen Technology Material*, Joint event of 11th Young Researchers' Conference: Materials Science and Engineering and the 1st European Early Stage on Hyrogen Storage, Belgrade (2012) p 58
9. N. Begović, J. Tanasijević, N. Stojanović, M. Vasić, V. Blagojević, D. Poleti, D. Minić, *Thermal Degradation of [Ni₂(btc)(dipyra)₂(H₂O)₆]·4H₂O Complex*, 2nd Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania (2013), PS3.85
10. M. Vasić, D. Minić, V. Blagojević, D. Minić, *Mechanism and kinetics of crystallization of Fe₈₁B₁₃Si₄C₂ amorphous alloy*, 2nd Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania (2013)
11. Dragica M. Minić, Milica Vasić, Dušan M. Minić, Bohumil David, Vladimir A. Blagojević, Tomáš Žák, *Thermally Induced Structural Transformations of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Amorphous Alloy*, Advanced Ceramics and Applications III conference, Belgrade 2014.
12. Milica M. Vasić, Vladimir A. Blagojević, Dragica M. Minić, *Thermally induced structural transformations of Fe₄₀Ni₄₀P₁₄B₆ amorphous alloy*, 13th Young Researchers Conference – Materials Science and Engineering, Belgrade 2014.

Извештај о цитираности др Владимира Благојевића

(према индексним базама Scopus и Google Scholar)

Радови др Владимира Благојевића су цитирани укупно 83 пута (52 хетероцитата и 31 аутоцитата)

V. A. Blagojevic, Y. R. Chen, M. L. Steigerwald, R. Friesner, L. E. Brus, *Quantum Chemical Investigation of Cluster Models for TiO₂ Nanoparticles with Water-Derived Ligand Passivation: Studies of Excess Electron States and Implications for Charge Transport in the Graetzel Cell*; J. Phys. Chem. C (2009) 113 (46) 19806-19811

Хетероцитати:

1. Berardo, E., Hu, H.-S., Van Dam, H.J.J., Shevlin, S.A., Woodley, S.M., Kowalski, K., Zwijnenburg, M.A., Describing Excited State Relaxation and Localization in TiO₂ Nanoparticles Using TD-DFT, J. Chem. Theory Comput. 10 (2014) 5538-5548.
2. Berardo, E., Hu, H.-S., Shevlin, S.A., Woodley, S.M., Kowalski, K., Zwijnenburg, M.A., Modeling Excited States in TiO₂ Nanoparticles: On the Accuracy of a TD-DFT Based Description, J. Chem. Theory Comput. 10 (2014) 1189-1199.
3. SB Novir, SM Hashemianzadeh, Computational investigation of low band gap dyes based on 2-styryl-5-phenylazo-pyrrole for dye-sensitized solar cells, Current Applied Physics 14 (2014) 1401-1410.
4. Jerome, S.V., Hughes, T.F., Friesner, R.A. Accurate pKa Prediction in First-Row Hexaaqua Transition Metal Complexes using the B3LYP-DBLOC Method, Journal of Physical Chemistry B 118 (2014) 8008-8016.
5. Zhang, J., Steigerwald, M., Brus, L., Friesner, R.A. Covalent O-H bonds as Electron Traps in Proton-rich Rutile TiO₂ Nanoparticles, Nano Letters 14 (2014) 1785-1789.
6. M. Gałyńska, P. Persson, Material dependence of water interactions with metal oxide nanoparticles: TiO₂, SiO₂, GeO₂, and SnO₂, Advances in Quantum Chemistry, 69 (2014) 303-332
7. M. Gałyńska, P. Persson, Emerging polymorphism in nanostructured TiO₂: Quantum chemical comparison of anatase, rutile, and brookite clusters, (2013) International Journal of Quantum Chemistry, 113 (24), pp. 2611-2620
8. Makowska-Janusik, M., Gladil, O., Kassiba, A., Bouclé, J., Herlin-Boime, N. Cluster approach to model titanium dioxide as isolated or organic dye sensitized nanoobjects, (2014) Journal of Physical Chemistry C, 118 (12), pp. 6009-6018.
9. Dholabhai, P.P., Yu, H.-G. Electronic structure and quantum dynamics of photoinitiated dissociation of O₂ on rutile TiO₂ nanocluster, (2013) Journal of Chemical Physics, 138 (19), art. no. 194705.
10. Guo, Y., Kong, F., Wang, C., Chu, S., Yang, J., Wang, Y., Zou, Z. Molecule-induced gradient electronic potential distribution on a polymeric photocatalyst surface and improved photocatalytic performance, (2013) Journal of Materials Chemistry A, 1 (16), pp. 5142-5147.
11. Zhang, J., Hughes, T.F., Steigerwald, M., Brus, L., Friesner, R.A. Realistic cluster modeling of electron transport and trapping in solvated TiO₂ nanoparticles, (2012) Journal of the American Chemical Society, 134 (29), pp. 12028-12042.

12. Connelly, K.A., Idriss, H. The photoreaction of TiO₂ and Au/TiO₂ single crystal and powder surfaces with organic adsorbates. Emphasis on hydrogen production from renewables, (2012) *Green Chemistry*, 14 (2), pp. 260-280.
13. Nadeem, M.A., Connelly, K.A., Idriss, H. The photoreaction of TiO₂ and Au/TiO₂ single crystal and powder with organic adsorbates, (2012) *International Journal of Nanotechnology*, 9 (1-2), pp. 121-162.
14. Sahoo, S.K., Pal, S., Sarkar, P., Majumder, C. Size-dependent electronic structure of rutile TiO₂ quantum dots, (2011) *Chemical Physics Letters*, 516 (1-3), pp. 68-71.
15. Tarakeshwar, P., Finkelstein-Shapiro, D., Rajh, T., Mujica, V. Quantum confinement effects on the surface enhanced Raman spectra of hybrid systems molecule-TiO₂ nanoparticles, (2011) *International Journal of Quantum Chemistry*, 111 (7-8), pp. 1659-1670.
16. Tarakeshwar, P., Finkelstein-Shapiro, D., Hurst, S.J., Rajh, T., Mujica, V. Surface-enhanced Raman scattering on semiconducting oxide nanoparticles: Oxide nature, size, solvent, and pH effects, (2011) *Journal of Physical Chemistry C*, 115 (18), pp. 8994-9004.
17. Miller, K.L., Musgrave, C.B., Falconer, J.L., Medlin, J.W. Effects of water and formic acid adsorption on the electronic structure of anatase TiO₂(101), (2011) *Journal of Physical Chemistry C*, 115 (6), pp. 2738-2749.
18. Nadeem, M.A., Murdoch, M., Waterhouse, G.I.N., Metson, J.B., Keane, M.A., Llorca, J., Idriss, H. Photoreaction of ethanol on Au/TiO₂ anatase: Comparing the micro to nanoparticle size activities of the support for hydrogen production, (2010) *Journal of Photochemistry and Photobiology A: Chemistry*, 216 (2-3), pp. 250-255.
19. Nadeem, A.M., Waterhouse, G.I.N., Metson, J.B., Idriss, H. Hydrogen production by photoreaction of ethanol over Au/TiO₂ anatase. the effect of TiO₂ particle size, (2010) *Proceedings of SPIE - The International Society for Optical Engineering*, 7770, art. no. 777016

Blagojevic, VA; Carlo, JP; Brus, LE; Steigerwald, ML; Uemura, YJ; Billinge, SJL; Zhou, W; Stephens, PW; Aczel, AA; Luke, GM; Magnetic phase transition in V₂O₃ nanocrystals, *Physical review. B, Condensed matter and materials physics*, (2010) 82(9) 094453.

Хетероцитати:

1. G Xu, X Wang, X Chen, L Jiao, Facile Synthesis and Phase Transition of V₂O₃ Nanobelts, *RSC Advances*, (2015) 5, 17782-17785.
2. Ovsyannikov, S.V., Trots, D.M., Kurnosov, A.V., Morgenroth, W., Liermann, H.-P., Dubrovinsky, L. Anomalous compression and new high-pressure phases of vanadium sesquioxide, V₂O₃, (2013) *Journal of Physics Condensed Matter*, 25 (38), art. no. 385401.
3. Bai, Y., Jin, P., Ji, S., Luo, H., Gao, Y. Preparation and characterization of V₂O₃ micro-crystals via a one-step hydrothermal process, (2013) *Ceramics International*, 39 (7), pp. 7803-7808.
4. P. Billik, A. Cigáň, M. Čaplovičová, M. Škrátek, A. Dvurečenskij, M. Majerová, R. Bystríký, P. Antal, J. Maňka, V₂O₃ nanocrystals prepared by mechanochemical-thermal reduction and their magnetic properties, (2013) *Materials Letters*, 110, pp. 24-26.
5. Bergerud, A., Buonsanti, R., Jordan-Sweet, J.L., Milliron, D.J. Synthesis and phase stability of metastable bixbyite V₂O₃ colloidal nanocrystals, (2013) *Chemistry of Materials*, 25 (15), pp. 3172-3179.

6. Chen, X.-B., Shin, J.-H., Kim, H.-T., Lim, Y.-S. Raman analyses of co-phasing and hysteresis behaviors in V₂O₃ thin film, (2012) *Journal of Raman Spectroscopy*, 43 (12), pp. 2025-2028.
7. Ishiwata, Y., Suehiro, S., Kida, T., Ishii, H., Tezuka, Y., Oosato, H., Watanabe, E., Tsuya, D., Inagaki, Y., Kawae, T., Nantoh, M., Ishibashi, K. Spontaneous uniaxial strain and disappearance of the metal-insulator transition in monodisperse V₂O₃ nanocrystals, (2012) *Physical Review B - Condensed Matter and Materials Physics*, 86 (3), art. no. 035449.
8. Zhang, Y., Fan, M., Liu, X., Huang, C., Li, H. Beltlike V₂O₃@C core-shell-structured composite: Design, preparation, characterization, phase transition, and improvement of electrochemical properties of V₂O₃, (2012) *European Journal of Inorganic Chemistry*, (10), pp. 1650-1659.
9. Ishiwata, Y., Shiraishi, T., Ito, N., Suehiro, S., Kida, T., Ishii, H., Tezuka, Y., Inagaki, Y., Kawae, T., Oosato, H., Watanabe, E., Tsuya, D., Nantoh, M., Ishibashi, K. Metal-insulator transition sustained by Cr-doping in V₂O₃ nanocrystals, (2012) *Applied Physics Letters*, 100 (4), art. no. 043103.
10. Lee, D.J., Kim, D.H., Park, J.W., Lee, Y.S. Room-temperature Violet-blue emission for SrZrO₃ nanocrystals synthesized by using the combustion method, (2011) *Journal of the Korean Physical Society*, 59 (4), pp. 2797-2800.
11. Ard, S., Dibble, C.J., Akin, S.T., Duncan, M.A. Ligand-coated vanadium oxide clusters: Capturing gas-phase magic numbers in solution, (2011) *Journal of Physical Chemistry C*, 115 (14), pp. 6438-6447.

Minic, DG; Blagojevic, VA; Mihajlovic, Lj E; Cosovic, VR; Minic, DM; Kinetics and mechanism of structural transformations of Fe75Ni2Si8B13C2 amorphous alloy induced by thermal treatment, *Thermochimica Acta* (2011) 519, 83-89.

Хетероцитати:

1. Men, K., Li, K., Luo, Y., Yu, D., Zhang, K., Jin, J., Mao, Y. The crystallization behavior of as-quenched Nd₉Fe₈₅Nb_{0.5}B_{5.5} alloys, (2015) *Journal of Alloys and Compounds*, 635, pp. 61-65.
2. Cheng, S., Wang, C., Ma, M., Shan, D., Guo, B. Non-isothermal crystallization kinetics of Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni₁₀Be_{22.5} amorphous alloy, (2014) *Thermochimica Acta*, 587, pp. 11-17.
3. Hou, K., Huang, Q., Bi, X.-F. High resolution transmission electron microscope and crystallization kinetics study of nanocrystallization of α -Fe in Fe₈₃Zr₇B₉Mn₁ amorphous alloy, (2013) *Gongneng Cailiao/Journal of Functional Materials*, 44 (2), pp. 270-274.

Аутоцитати:

4. Blagojević, V.A., Vasić, M., Minić, D.M., Minić, D.M., Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe₇₅Ni₂Si₈B₁₃C₂ alloy, (2012) *Thermochimica Acta*, 549, pp. 35-41.
5. Minić, D.M., Blagojević, V.A., Minić, D.M. Influence of thermal treatment on structure and properties of Fe 75Ni 2Si 8B 13C 2 amorphous alloy [Uticaj termičkog tretmana na strukturu i svojstva amorfne legure Fe 75Ni 2Si 8B 13C 2], (2012) *Hemijска Industrija*, 66 (5), pp. 769-779.

6. Minic, D.M., Blagojevic, V.A., Minic, D.M., David, B., Pizúrová, N., Žák, T. Nanocrystal growth in thermally treated Fe75Ni2Si8B13C2 amorphous alloy, (2012) Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 43 (9), pp. 3062-3069.
7. Minic, D.M., Blagojevic, V.A., Minic, D.M., David, B., Pizúrová, N., Žák, T. Influence of thermal treatment on microstructure of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Intermetallics, 25, pp. 75-79.
8. Minić, D.M., Blagojević, V.A., Maričić, A.M., Žák, T., Minić, D.M. Influence of structural transformations on functional properties of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Materials Chemistry and Physics, 134 (1), pp. 111-115.
9. Blagojević, V.A., Minić, D.M., Žák, T., Minić, D.M. Influence of thermal treatment on structure and microhardness of Fe 75Ni2Si8B13C2 amorphous alloy, (2011) Intermetallics, 19 (12), pp. 1780-1785.

Blagojević, V.A., Minić, D.M., Žák, T., Minić, D.M. Influence of thermal treatment on structure and microhardness of Fe 75Ni2Si8B13C2 amorphous alloy, (2011) Intermetallics, 19 (12), pp. 1780-1785.

Хетероцитати:

1. Guo, W., Wu, Y., Zhang, J., Hong, S., Li, G., Ying, G., Guo, J., Qin, Y. Fabrication and Characterization of Thermal-Sprayed Fe-Based Amorphous/Nanocrystalline Composite Coatings: An Overview, (2014) Journal of Thermal Spray Technology, 23 (7), pp. 1157-1180.
2. Zhang, Y., Yan, B., Yang, Y., Wang, Y. Non-isothermal nanocrystallization kinetics study on (Fe 0.8Ni0.15M0.05)78Si 8B14 (M = Nb, Ta, W) amorphous alloys, (2013) Journal of Alloys and Compounds, 574, pp. 556-559.
3. Boichyshyn, L., Kovbuz, M., Hertsyk, O., Nosenko, V., Kotur, B. Influence of structurization of amorphous metallic alloys Al87Y5 - xGdxNi8 - y (x = 0, 1, 5; y = 0, 4) on their mechanical properties, (2013) Physics of the Solid State, 55 (2), pp. 243-246.

Аутоцитати:

4. Blagojević, V.A., Vasić, M., Minić, D.M., Minić, D.M. Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe 75Ni 2Si 8B 13C 2 alloy, (2012) Thermochimica Acta, 549, pp. 35-41.
5. Minić, D.M., Blagojević, V.A., Minić, D.M. Influence of thermal treatment on structure and properties of Fe 75Ni 2Si 8B 13C 2 amorphous alloy [Uticaj termičkog tretmana na strukturu i svojstva amorfne legure Fe75Ni2Si8B13C2], (2012) Hemijska Industrija, 66 (5), pp. 769-779.
6. Minic, D.M., Blagojevic, V.A., Minic, D.M., David, B., Pizúrová, N., Žák Nanocrystal growth in thermally treated Fe75Ni2Si8B13C2 amorphous alloy (2012) Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 43 (9), pp. 3062-3069.
7. Minic, D.M., Blagojevic, V.A., David, B., Pizúrová, N., Žák, Minic, D.M. Influence of thermal treatment on microstructure of Fe 75Ni 2Si 8B 13C 2 amorphous alloy, (2012) Intermetallics, 25, pp. 75-79.

8. Minić, D.M., Blagojević, V.A., Maričić, A.M., Žák, T., Minić, D.M. Influence of structural transformations on functional properties of Fe 75Ni 2Si 8B 13C 2 amorphous alloy, (2012) Materials Chemistry and Physics, 134 (1), pp. 111-115.

Maričić, A.M., Minić, D.M., Blagojević, V.A., Kalezić-Glišović, A., Minić, D.M. Effect of structural transformations preceding crystallization on functional properties of Fe73.5Cu1Nb3Si 15.5B7 amorphous alloy, (2012) Intermetallics, 21 (1), pp. 45-49.

Хетероцитати:

1. Jordović, B., Nedeljković, B., Mitrović, N., Živanić, J., Maričić, A. Effect of heat treatment on structural changes in metastable AlSi10Mg alloy, (2014) Journal of Mining and Metallurgy, Section B: Metallurgy, 50 (2), pp. 133-137.
2. Ribić-Zelenović, L., Ćirović, N., Spasojević, M., Mitrović, N., Maričić, A., Pavlović, V. Microstructural properties of electrochemically prepared Ni-Fe-W powders, (2012) Materials Chemistry and Physics, 135 (1), pp. 212-219.

Аутоцитати:

3. Blagojević, V.A., Vasić, M., David, B., Minić, D.M., Minić, D.M., Pizúrová, N., Žák, T. Microstructure and functional properties of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy, (2014) Materials Chemistry and Physics, 145 (1-2), pp. 12-17.
4. Minić, D.M., Blagojević, V.A., Vasić, M., David, B., Minić, D.M., Pizúrová, N., Žák, T. Thermally induced crystallization of Fe73.5Cu1Nb 3Si15.5B7 amorphous alloy, (2014) Intermetallics, 45, pp. 53-59.
5. Minić, D.M., Blagojević, V.A., Minić, D.M. Influence of thermal treatment on structure and properties of Fe 75Ni 2Si 8B 13C 2 amorphous alloy [Uticaj termičkog tretmana na strukturu i svojstva amorfne legure Fe 75Ni 2Si 8B 13C 2], (2012) Hemijska Industrija, 66 (5), pp. 769-779.
6. Minić, D.M., Blagojević, V.A., David, B., Pizúrová, N., Žák, T., Minić, D.M. Influence of thermal treatment on microstructure of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Intermetallics, 25, pp. 75-79.
7. Minić, D.M., Blagojević, V.A., Maričić, A.M., Žák, T., Minić, D.M. Influence of structural transformations on functional properties of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Materials Chemistry and Physics, 134 (1), pp. 111-115.

Minić, D.M., Blagojević, V., Minić, D.G., Gavrilović, A., Rafailović, L. Influence of thermally induced structural transformations on hardness in Fe89.8Ni1.5Si5.2B3C0.5 amorphous alloy, (2011) Journal of Alloys and Compounds, 509 (33), pp. 8350-8355.

Хетероцитати:

1. Duman, N., Akdeniz, M.V., Mekhrabov, A.O. Magnetic monitoring approach to nanocrystallization kinetics in Fe-based bulk amorphous alloy, (2013) Intermetallics, 43, pp. 152-161.

Аутоцитати:

2. Blagojević, V.A., Minić, D.M., Vasić, M., Minić, D.M. Thermally induced structural transformations and their effect on functional properties of Fe89.8Ni1.5Si5.2B3C0.5 amorphous alloy, (2013) Materials Chemistry and Physics, 142 (1), pp. 207-212.
3. Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism of thermal stabilization of Fe89.8Ni 1.5Si5.2B3C0.5 amorphous alloy, (2013) Thermochimica Acta, 562, pp. 35-41.

Minić, D.M., Blagojević, V.A., Minić, D.M., Žák, T. Influence of microstructural inhomogeneity of individual sides of Fe 81Si4B13C2 amorphous alloy ribbon on thermally induced structural transformations, (2011) Materials Chemistry and Physics, 130 (3), pp. 980-985.

Аутоцитати:

1. Minić, D.M., Blagojević, V.A., David, B., Pizúrová, N., Žák, T., Minić, D.M. Influence of thermal treatment on microstructure of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Intermetallics, 25, pp. 75-79.

Minić, D.M., Blagojević, V.A., Minić, D.M., Gavrilović, A., Rafailović, L., Žak, T. Influence of Microstructure on Microhardness of Fe81Si 4B13C2 Amorphous Alloy after Thermal Treatment, (2011) Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 42 (13), pp. 4106-4112.

Аутоцитати:

1. Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism and kinetics of crystallization of amorphous Fe81B13Si4C2 alloy, (2013) Thermochimica Acta, 572, pp. 45-50.

Minić, D.M., Blagojević, V.A., Maričić, A.M., Žák, T., Minić, D.M. Influence of structural transformations on functional properties of Fe75Ni2Si8B13C2 amorphous alloy, (2012) Materials Chemistry and Physics, 134 (1), pp. 111-115.

Аутоцитати:

1. Blagojević, V.A., Vasić, M., Minić, D.M., Minić, D.M. Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe75Ni2Si8B13C2 alloy, (2012) Thermochimica Acta, 549, pp. 35-41.
2. Minić, D.M., Blagojević, V.A., Minić, D.M. Influence of thermal treatment on structure and properties of Fe 75Ni 2Si 8B 13C 2 amorphous alloy [Uticaj termičkog tretmana na strukturu i svojstva amorfne legure Fe 75Ni 2Si 8B 13C 2], (2012) Hemijska Industrija, 66 (5), pp. 769-779.

Minić, D.M., Blagojević, V.A., David, B., Pizúrová, N., Žák, T., Minić, D.M. Influence of thermal treatment on microstructure of Fe 75Ni 2Si 8B 13C 2 amorphous alloy, (2012) *Intermetallics*, 25, pp. 75-79.

Хетероцитати:

1. Tang, C.-Y., Xiao, Z.-Y., Luo, F., Zhuang, Z.-F., Chen, X.-Y., Zhang, X. Effect of annealing temperature on microstructure and soft magnetic properties of melt-spun Fe-Co-(Nb, V)-B-Cu amorphous alloys, (2014) *Cailiao Rechuli Xuebao/Transactions of Materials and Heat Treatment*, 35 (7), pp. 27-31.

Ristović, M.S., Pavlović, M.G., Zlatar, M., Blagojević, V., Andelković, K., Poleti, D., Minić, D.M. Kinetics, mechanism, and DFT calculations of thermal degradation of a Zn(II) complex with iV-benzyloxycarbonylglycinato ligands, (2012) *Monatshefte fur Chemie*, 143 (8), pp. 1133-1139.

Хетероцитати:

1. Xia, L., Zuo, L., Zha, S., Jiang, S., Guan, R., Lu, D. Kinetic research on low-temperature cure of epoxy adhesive, (2014) *International Journal of Adhesion and Adhesives*, 50, pp. 255-264.
2. Sbirrazzuoli, N. Determination of pre-exponential factors and of the mathematical functions $f(\alpha)$ or $G(\alpha)$ that describe the reaction mechanism in a model-free way, (2013) *Thermochimica Acta*, 564, pp. 59-69.

Автоцитати:

3. Šumar Ristović, M., Minić, D.M., Blagojević, V., Andelković, K. Kinetics of multi-step processes of thermal degradation of Co(II) complex with N-benzyloxycarbonylglycinato Ligand. deconvolution of DTG curves, (2014) *Science of Sintering*, 46 (1), pp. 37-53.

Minic, D.M., Blagojevic, V.A., Minic, D.M., David, B., Pizúrová, N., Žák, T. Nanocrystal growth in thermally treated Fe75Ni2Si8B13C2 amorphous alloy, (2012) *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 43 (9), pp. 3062-3069.

Хетероцитати:

1. Zhang, Y., Yan, B., Yang, Y., Wang, Y. Non-isothermal nanocrystallization kinetics study on (Fe 0.8Ni0.15M0.05)78Si 8B14 (M = Nb, Ta, W) amorphous alloys, (2013) *Journal of Alloys and Compounds*, 574, pp. 556-559.

Автоцитати:

2. Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism of thermal stabilization of Fe89.8Ni 1.5Si5.2B3C0.5 amorphous alloy, (2013) *Thermochimica Acta*, 562, pp. 35-41.

Blagojević, V.A., Vasić, M., Minić, D.M., Minić, D.M. Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe 75Ni 2Si 8B 13C 2 alloy, (2012) *Thermochimica Acta*, 549, pp. 35-41.

Хетероцитати:

1. Zhang, Y., Yan, B., Yang, Y., Wang, Y. Non-isothermal nanocrystallization kinetics study on (Fe 0.8Ni0.15M0.05)78Si 8B14 (M = Nb, Ta, W) amorphous alloys, (2013) *Journal of Alloys and Compounds*, 574, pp. 556-559.
2. Wang, L., Li, R., Wang, H. Study on thermal decomposition kinetics of sulfonamide potentiator-trimethoprim, (2014) *Asian Journal of Chemistry*, 26 (2), pp. 486-488.

Автоцитати:

3. Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism of thermal stabilization of Fe89.8Ni 1.5Si5.2B3C0.5 amorphous alloy, (2013) *Thermochimica Acta*, 562, pp. 35-41.

Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism of thermal stabilization of Fe89.8Ni 1.5Si5.2B3C0.5 amorphous alloy, (2013) *Thermochimica Acta*, 562, pp. 35-41.

Хетероцитати:

1. Bao, X.-Q., Zhanf, Z., Gao, X.-X. Microstructure, magnetic and micromechanical properties of Fe-Cu-Nb-Si-B melt-spun ribbons, (2014) *Beijing Keji Daxue Xuebao/Journal of University of Science and Technology Beijing*, 36 (11), pp. 1514-1519.
2. Tian, L., Chen, H., Chen, Z., Wang, X., Zhang, S. A study of non-isothermal kinetics of limestone decomposition in air (O₂/N₂) and oxy-fuel (O₂/CO₂) atmospheres, (2014) *Journal of Thermal Analysis and Calorimetry*, 115 (1), pp. 45-53.
3. Alvi, M. A. Study of phase separation in amorphous Se–Te–Bi material, *Superlattices and Microstructures* (2014) 73, pp 1-11.

Автоцитати:

4. Vasić, M.M., Minić, D.M., Blagojević, V.A., Minic, D.M. Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy, (2014) *Thermochimica Acta*, 584, pp. 1-7.

Minić, D.M., Blagojević, V.A. Hydrothermal synthesis and controlled growth of vanadium oxide nanocrystals, (2013) *CrystEngComm*, 15 (33), pp. 6617-6624.

Автоцитати:

1. Blagojević, V.A., Obradović, N., Cvjetićanin, N., Minić, D.M. Influence of dimensionality on phase transition in VO₂ nanocrystals, (2013) *Science of Sintering*, 45 (3), pp. 305-311.

Blagojević, V.A., Minić, D.M., Vasić, M., Minić, D.M. Thermally induced structural transformations and their effect on functional properties of Fe89.8Ni1.5Si5.2B 3C0.5 amorphous alloy (2013) Materials Chemistry and Physics, 142 (1), pp. 207-212.

Аутоцитати:

1. Vasić, M.M., Minić, D.M., Blagojević, V.A., Minic, D.M. Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy, (2014) Thermochimica Acta, 584, pp. 1-7.

Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism and kinetics of crystallization of amorphous Fe 81B13Si4C2 alloy (2013) Thermochimica Acta, 572, pp. 45-50.

Хетероцитати:

1. Wu, Z.; Lu, Z.; Ni, X.; Li, D.; Shuo F.; Qi Y. Effect of Heat Treatment on Corrosion Behaviour of Amorphous Metal Fibers, Journal of Iron and Steel Research, International, (2014) 21, pp. 1030-1034.
2. J.S. Blázquez, C.F. Conde, A. Conde, On the use of classical JMAK crystallization kinetic theory to describe simultaneous processes leading to the formation of different phases in metals, International Journal of Thermal Sciences (2015) 88, pp. 1-6.

Аутоцитати:

3. Vasić, M.M., Minić, D.M., Blagojević, V.A., Minic, D.M. Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy, (2014) Thermochimica Acta, 584, pp. 1-7.

Šumar Ristović, M., Minić, D.M., Blagojević, V., Andelković, K. Kinetics of multi-step processes of thermal degradation of Co(II) complex with N-benzyloxycarbonylglycinato Ligand. deconvolution of DTG curves, (2014) Science of Sintering, 46 (1), pp. 37-53.

Аутоцитати:

1. Begović, N., Vasić, M.M., Grković, A., Blagojević, V.A., Minić, D.M. Isokinetic parameters of thermal degradation of powder of [Cd(N-Boc-gly)₂(H₂O)₂]_n, (2014) Science of Sintering, 46 (3), pp. 323-330.

Minić, D.M., Blagojević, V.A., Vasić, M., David, B., Minić, D.M., Pizúrová, N., Žák, T. Thermally induced crystallization of Fe73.5Cu1Nb 3Si15.5B7 amorphous alloy, (2014) *Intermetallics*, 45, pp. 53-59.

Хетероцитати:

1. Neamțu, B.V., Marinca, T.F., Chicinăș, I., Isnard, O. Structural, magnetic and thermal characterization of amorphous FINEMET powders prepared by wet mechanical alloying, (2015) *Journal of Alloys and Compounds*, 626, pp. 49-55.

Автоцитати:

2. Vasić, M.M., Minić, D.M., Blagojević, V.A., Minic, D.M. Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy, (2014) *Thermochimica Acta*, 584, pp. 1-7.

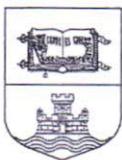
Blagojević, V.A., Vasić, M., David, B., Minić, D.M., Minić, D.M., Pizúrová, N., Žák, T. Microstructure and functional properties of Fe73.5Cu 1Nb3Si15.5B7 amorphous alloy, (2014) *Materials Chemistry and Physics*, 145 (1-2), pp. 12-17.

Хетероцитати:

1. Neamțu, B.V., Marinca, T.F., Chicinăș, I., Isnard, O. Structural, magnetic and thermal characterization of amorphous FINEMET powders prepared by wet mechanical alloying, (2015) *Journal of Alloys and Compounds*, 626, pp. 49-55.

Автоцитати:

2. Vasić, M.M., Minić, D.M., Blagojević, V.A., Minic, D.M. Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy, (2014) *Thermochimica Acta*, 584, pp. 1-7.



УНИВЕРЗИТЕТ У БЕОГРАДУ

Адреса: Студентски трг 1, 11000 Београд, Република Србија
Тел.: 011 3207400; Факс: 011 2638818; E-mail: officebu@rect.bg.ac.rs

Београд, 16.07.2014. године
Број: 06-61302-2597/3-14
МЧБ

На основу члана 104. став 5. Закона о високом образовању (“Службени гласник РС”, бр. 76/05, 100/07-аутентично тумачење, 97/08, 44/10, 93/12 и 89/13), члана 11. Правилника о признавању страних високошколских исправа (“Гласник Универзитета у Београду” бр. 129/06 и 145/08) и одлуке Комисије Универзитета за признавање страних високошколских исправа бр. 06-61302-2597/2-14, од 17. јуна 2014. године, доносим

РЕШЕЊЕ

ПРИЗНАЈЕ СЕ високошколска исправа **Columbia University in the city of New York, Њујорк, САД**, од 17.10.2007. године, на којем је **Владимир (Александар) Благојевић** стекао образовање, као диплома докторских академских студија (180 ЕСПБ), са стручним називом доктор наука – физичкохемијске науке.

Образложење

Универзитету у Београду, преко Факултета за физичку хемију, обратио се **Владимир (Александар) Благојевић**, рођен 27.10.1976. године у Београду, Република Србија, захтевом за признавање дипломе **Columbia University in the city of New York, Њујорк, САД**, на којем је именовани, након окончаних петогодишњих докторских академских студија, стекао звање Doctor of Philosophy.

Стручни органи Факултета размотрили су све списе предмета и предложили Комисији Универзитета доношење одлуке којом се предметна диплома признаје као диплома докторских академских студија са стручним називом доктор наука – физичкохемијске науке. Комисија Универзитета у Београду, узимајући у обзир став стручних органа Факултета и утврђена правила о признавању јавних исправа, донела је одлуку као у диспозитиву.

УПУТСТВО О ПРАВНОМ СРЕДСТВУ:

Ово решење је коначно у управном поступку, па се против њега може покренути управни спор код Управног суда, у року од 30 дана од дана пријема решења.

РЕКТОР

Проф. др Владимир Бумбашировић