

Институт техничких наука САНУ

Кнез Михаилова 35

Београд

Молба

Молим да ми се дозволи обављање избора у звање вишег научног сарадника на Институту техничких наука САНУ. Тренутно сам незапослен и у текућем конкурсy за пројекте Фонда за науку ИДЕЈЕ моје учешће у предложеном пројекту FILAMENT се реализује преко Института техничких наука САНУ. Стога молим да предстојећи избор у звање обавим на Институту техничких наука САНУ.

У Београду, 21.05.2021.

С поштовањем,



Др Владимир Благојевић

Научном већу
Института техничких наука САНУ
Кнез Михаилова 35, Београд

Молба

Молим Научно веће Института техничких наука САНУ да у складу са Правилником о стицању истраживачких и научних звања („Службени гласник РС“, број 159/20) покрене поступак за избор у звање др Владимира Благојевића у звање виши научни сарадник.

За чланове Комисије за припрему извештаја Научном већу предлажем:

1. др Дарко Косановић, виши научни сарадник Института техничких наука САНУ
2. проф. др Тамара Тодоровић, ванредни професор Хемијског Факултета Универзитета у Београду
3. проф. др Наталија Половић, ванредни професор Хемијског Факултета Универзитета у Београду

У прилогу достављам:

1. Стручну биографију
2. Библиографију
3. Цитираност
4. Одлуку о стицању звања научног сарадника

С поштовањем,

У Београду, 21.05.2021.


др Владимир Благојевић
научни сарадник

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 (САД), одсек за хемију. Докторирао је одбранивши 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 мултифероичних 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). У периоду од априла 2017. до краја 2019. је био на позицији Chief Technical Officer-а компаније Mazzaroth LLC (Њујорк, САД) која се бавила предиктивном аналитиком у финансијском сектору и применом вештачке интелигенције.

Запослен је у Институту техничких наука САНУ од 1. априла 2015. године до 30. септембра 2019. године. Као научни сарадник је био ангажован на пројекту ОИ 172057 под називом „Усмерена синтеза, структура и својства мултифункционалних материјала“, којим руководи проф. др Владимир Павловић од 2015. до 2019. године. Од 1. октобра 2019. је спољни сарадник Института техничких наука САНУ. Тренутно је ангажован на пројекту SASA-SAS-21-01 билатералне сарадње академија наука и уметности Словачке и Србије.

Аутор је 48 радова у међународним часописима, који су цитирани 219 пута у радовима у међународним часописима, уз h-index од 8 (закључно са 15.03.2021.)

Ужа област интересовања су обновљиви извори енергије, теоријско моделовање система (DFT, MD, Monte Carlo, Random Forest, Deep Learning, Gradient Boosting Machine, Docking) и развој нових каталитичких материјала.

Рецензент је часописа Materials Science and Engineering B, Materials Chemistry and Physics, International Journal of Hydrogen Energy, Journal of Molecular Structure, Materials Research Express, Journal of Physics: Energy, Reviews in Chemical Engineering (Publons страна: <https://publons.com/researcher/1343982/vladimir-bлагоjevic/>).

Библиографија

Објављени радови у периоду 2011-2020

Монографска студија/поглавље у књизи M11 или рад у тематском зборнику водећег међународног значаја M13

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 M12 или рад у тематском зборнику међународног значаја M14

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. Andreetta, 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>)

Радови у међународним часописима изузетних вредности M21a

1. J. Živojinović, V. P. Pavlović, D. Kosanović, S. Marković, J. Krstić, V. A. Blagojević, V. B. Pavlović, "The influence of mechanical activation on structural evolution of nanocrystalline SrTiO₃ powders", Journal of Alloys and Compounds, 695 (2017) 863-870,
<http://dx.doi.org/10.1016/j.jallcom.2016.10.159>, IF: 3.779, Metallurgy & Metallurgical Engineering: 4/75
2. D. Kosanović, V. A. Blagojević, A. Maričić, S. Aleksić, V. P. Pavlović, V. B. Pavlović, B. Vlahović, "Influence of mechanical activation on functional properties of barium hexaferrite

ceramics", *Ceramics International*, 44, 6 (2018) 6666-6672,
<https://doi.org/10.1016/j.ceramint.2018.01.078>, IF: 3.450, *Materials Science, Ceramics*: 2/28

Радови у врхунском међународном часопису M21

1. B. Rašković, S. Vatić, B. Anđelković, V. Blagojević, N. Polović, Optimizing storage conditions to prevent cold denaturation of trypsin for sequencing and to prolong its shelf life, *Biochemical Engineering Journal, Part A*, 150 (2016) 168–176, <http://dx.doi.org/10.1016/j.bej.2015.09.018>, IF: 2.892, *Engineering, Chemical*: 33/135
2. M.M. Vasić, P. Roupcová, N. Pizúrová, S. Stevanović, V.A. Blagojević, T., Žák, D.M. Minić, Thermally Induced Structural Transformations of Fe₄₀Ni₄₀P₁₄B₆ Amorphous Alloy, *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 47(1), 260-267, 2016, <http://dx.doi.org/10.1007/s11661-015-3226-4>, IF: 1.874, *Metallurgy & Metallurgical Engineering*: 16/74
3. M. M. Vasić, V. A. Blagojević, N. N. Begović, T. Žák, V. B. Pavlović, D. M. Minić, Thermally induced crystallization of amorphous Fe₄₀Ni₄₀P₁₄B₆ alloy, *Thermochimica Acta* 614 (2015) 129-136, <http://dx.doi.org/10.1016/j.tca.2015.06.015>, IF: 1.938, *Thermodynamics*: 16/58
4. V. A. Blagojević, V. Lukić, N. N. Begović, A. M. Maričić, D. M. Minić, "Hydrogen storage in a layered flexible [Ni₂(btc)(en)₂]_n coordination polymer", *International Journal of Hydrogen Energy* 41 (2016) 22171-22181, <http://dx.doi.org/10.1016/j.ijhydene.2016.08.203>, IF: 3.582, *Electrochemistry*: 7/29
5. J. D. Zdravković, D. D. Poleti, J. R. Rogan, V. A. Blagojević, K. Mészáros Szécsényi, D. M. Minić, The influence of alkaline cations on the mechanism and kinetics of dehydration of polymeric phthalatocuprate (II) dihydrates, *Journal of Analytical and Applied Pyrolysis*, 126 (2017) 323-331, <https://doi.org/10.1016/j.jaap.2017.05.014>, IF: 3.468, *Chemistry, Analytical*: 15/81
6. N. Obradović, V. Blagojević, N. Đorđević, S. Filipović, D. Kosanović, S. Marković, M. Kachlik, K. Maca, V. Pavlović, Kinetics of thermally activated processes in cordierite-based ceramics, *Journal of Thermal Analysis and Calorimetry*, 138 (5) (2019) 2989-2998, <https://doi.org/10.1007/s10973-018-7924-1>, IF: 2.731, *Thermodynamics*: 18/61
7. P. Ristić, V. Blagojević, G. Janjić, M. Rodić, P. Vulić, M. Donnard, M. Gulea, A. Chylewska, M. Makowski, T. Todorović, N. Filipović, Influence of C–H/X (X = S, Cl, N, Pt/Pd) Interactions on the Molecular and Crystal Structures of Pt(II) and Pd(II) Complexes with Thiomorpholine-4-carbonitrile: Crystallographic, Thermal, and DFT Study, *Crystal Growth & Design* 20 (5), (2020), 3018-3033, <https://doi.org/10.1021/acs.cgd.9b01661>, IF: 4.089, *Materials Science, Multidisciplinary*: 92/314
8. Ristić, P.; Todorović, T. R.; Blagojević, V.; Klisurić, O. R.; Marjanović, I.; Holló, B. B.; Vulić, P.; Gulea, M.; Donnard, M.; Monge, M.; Rodríguez-Castillo, M.; López-de-Luzuriaga, J. M.; Filipović, N. R., 1D and 2D Silver-Based Coordination Polymers with Thiomorpholine-4-carbonitrile and Aromatic Polyoxoacids as Coligands: Structure, Photocatalysis, Photoluminescence, and TD-DFT Study, *Crystal Growth & Design* 20 (7), (2020) 4461-4478, <https://doi.org/10.1021/acs.cgd.0c00287>, IF: 4.089, *Materials Science, Multidisciplinary*: 92/314

9. N. Obradović, W. G Fahrenholtz, S. Filipović, S. Marković, V. Blagojević, S. Lević, S. Savić, A. Đorđević, V. Pavlović, Formation kinetics and cation inversion in mechanically activated MgAl₂O₄ spinel ceramics, *Journal of Thermal Analysis and Calorimetry* 140 (1), (2020) 95-107, <https://doi.org/10.1007/s10973-019-08846-w>, IF: 2.731, Thermodynamics: 18/61
10. N. N. Begović, V. A. Blagojević, S. B. Ostojić, A. M. Radulović, D. Poleti, D. M. Minić, *Thermally activated 3D to 2D structural transformation of [Ni-2(en)(2)(H₂O)(6)(pyr)] center dot 4H (2) O flexible coordination polymer*, *Mat. Chem. Phys* 149-150 (2015), 105-112. (<http://www.sciencedirect.com/science/article/pii/S0254058414006348>) IF: 2.129
11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. D. M. Minić, V. A. Blagojević, D. M. Minić, A. Gavrilović, T. Žák, *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
19. 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}Cu₁Nb₃Si_{15.5}B₇*, *Intermetallics* 21 (2012) 45-49 (<http://www.sciencedirect.com/science/article/pii/S0966979511003013>) IF: 2.119
20. V. A. Blagojević, D. M. Minić, T. Žák, D. M. Minić, *Influence of thermal treatment on structure and microhardness of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy*, *Intermetallics* 19 (2011)

1780-1785

(<http://www.sciencedirect.com/science/article/pii/S0966979511002500>) IF: 2.119

21. D. M. Minić, V. A. Blagojević, D. M. Minić, A. Gavrilović, L. Rafailović, T. Žak, *Influence of microstructure on microhardness of Fe₈₁Si₄B₁₃C₂ amorphous alloy after thermal treatment*, Metall. Mater. Trans. A, 42 (2011) 4106-4112
(<http://link.springer.com/article/10.1007/s11661-011-0795-8>) IF: 1.730
22. 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}B₃C_{0.5} amorphous alloy*, J. Alloys. Compd. 509 (2011) 8350-8355
(<http://www.sciencedirect.com/science/article/pii/S0925838811005676>) IF: 2.726

Рад у истакнутом међународном часопису M22

1. J. D. Zdravković, D. Poleti, J. Rogan, N. N. Begović, V. A. Blagojević, M. M. Vasić, D.M., Minić, *Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(μ 2-pyromellitato)dinickel(II) tetrahydrate*, Journal of Thermal Analysis and Calorimetry, 123(2) (2016) 1715-1726 <http://dx.doi.org/10.1007/s10973-015-5007-0>, IF: 1.953, Thermodynamics: 20/58
2. A. Rašović, V. Blagojević, M. Baranac Stojanović, E. Kleinpeter, R. Marković, and D. M. Minić, *Quantification of the push–pull effect in 2-alkylidene-4-oxothiazolidines by using NMR spectral data and barriers to rotation around the C=C bond*, New Journal of Chemistry, 40 (2016) 6364-6373, <http://dx.doi.org/10.1039/C6NJ00901H>, IF: 3.269, Chemistry, Multidisciplinary: 52/166
3. N. R. Filipović, S. Bjelogrić, T. R. Todorović, V. Blagojevic, C. D. Muller, A. Marinković, M. Vujčić, B. Janovic, A. Malesevic, N. Begović, M. Sencanski and D. Minic, *Ni(II) complex with bishydrazone ligand: synthesis, characterization, DNA-binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines*, RSC Advances (2016) 6, 108726-108740, <http://dx.doi.org/10.1039/C6RA24604D>, IF: 3.108, Chemistry, Multidisciplinary: 59/166
4. N. N. Begovic, M. M. Vasic, V. A. Blagojevic, N. R. Filipovic, A. D. Marinkovic, A. Malesevic, D. M. Minic, *Synthesis and thermal stability of cis-dichloro[(E)-ethyl-2-(2-((8-hydroxyquinolin-2-yl)methylene)hidrazinyl)acetate-η²N]-palladium(II) complex*, Journal of Thermal Analysis and Calorimetry 130 (2017) 701–711, <https://doi.org/10.1007/s10973-017-6458-2>, IF: 2.209, Thermodynamics: 18/59
5. Peles A P, Aleksic O S, Pavlovic V P, Djokovic V A, Dojcilovic R J, Nikolic Z, Marinkovic F S, Mitric M N, Blagojevic V A, Vlahovic B, Pavlovic V B; *Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films*; Physica Scripta, Volume 93, Number 10 (M22), 105801 (2018) <https://doi.org/10.1088/1402-4896/aad749>, IF: 1.985, Physics, Multidisciplinary: 31/81
6. Živojinović, J., Pavlović, V.P., Labus, N.J., Blagojević, V.A., Kosanović, D., Pavlović, V.B., *Analysis of the initial-stage sintering of mechanically activated SrTiO₃*, Science of Sintering 51 (2) (2019) 199-208, <http://www.doiserbia.nbs.bg.ac.yu/Article.aspx?id=0350-820X0701003N>, IF: 1.172, Materials Science, Ceramics: 14/28

7. D. Kosanović, N. Labus, J. Živojinović, A. Peleš Tadić, V. A Blagojević, V. B Pavlović, Effects of Mechanical Activation on the Formation and Sintering Kinetics of Barium Strontium Titanate Ceramics, *Science of Sintering* 52 (4), (2020), 371-385, <https://doi.org/10.2298/SOS2004371K> , IF: 1.172, Materials Science, Ceramics: 14/28
8. 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>) IF: 2.105
9. 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>) IF: 2.105
10. 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>) IF: 2.105
11. M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, *Mechanism of Thermal Stabilization of $Fe_{81}Si_4B_{13}C_2$ amorphous alloy*, *Thermochim. Acta*, 572 (2013) 45-50
(<http://www.sciencedirect.com/science/article/pii/S0040603113004917>) IF: 2.105
12. M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, *Mechanism of Thermal Stabilization of $Fe_{89.8}Ni_{1.5}Si_{5.2}B_3C_{0.5}$ Amorphous Alloy*, *Thermochim. Acta*, 562 (2013) 35-41
(<http://www.sciencedirect.com/science/article/pii/S0040603113001792>) IF: 2.105
13. V. A. Blagojević, M. Vasić, D. M. Minić, D. M. Minić, *Kinetics and thermodynamics of thermally induced structural transformations of amorphous $Fe_{75}Ni_2Si_8B_{13}C_2$ alloy*, *Thermochim. Acta*, 549 (2012) 35-41
(<http://www.sciencedirect.com/science/article/pii/S0040603112004418>) IF: 2.105
14. D. G. Minić, V. A. Blagojević, Lj. E. Mihajlović, V. R. Čosović, D. M. Minić, *Kinetics and mechanism of structural transformations of $Fe_{75}Ni_2Si_8B_{13}C_2$ 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 M23

1. Vasić, M.M., Minić, D.M., Blagojević, V.A., Žák, T., Pizúrová, N., David, B., Minić, D.M., Thermal stability and mechanism of thermally induced crystallization of $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ amorphous alloy, *Acta Physica Polonica A* 128(4) (2015) 657-660, <https://dais.sanu.ac.rs/handle/123456789/3518> , IF: 0.525, Physics, Multidisciplinary: 66/79
2. D. A. Kosanović, V. A. Blagojević, N. J. Labus, N. B. Tadić, V. B. Pavlović, Momčilo M. Ristić, Effect of Chemical Composition on Microstructural Properties and Sintering Kinetics of (Ba,Sr)TiO₃ Powders, *Science of Sintering* Vol 50 No 1 (2018) 29-38, <https://doi.org/10.2298/SOS1801029K>, IF: 0.885, Materials Science, Ceramics: 17/28
3. 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

4. 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
5. M. Šumar-Ristović, D. M. Minić, V. Blagojević, K. Anđelković, *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
6. V. A. Blagojević, N. Obradović, N. Cvjetičanin, 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*, Hemijska 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

Уређивање међународног научног часописа - M29a

др Владимир Благојевић - Editorial Board Secretariat

списак чланова редакције на сајту Народне библиотеке:

<http://doiserbia.nb.rs/journal.aspx?issn=0350-820X>;

списак чланова редакције на сајту часописа:

<http://ojs.itn.sanu.ac.rs/index.php/scisint/about/editorialTeam>

Саопштење са међународног скупа штампано у целини M33

1. 2. D.M. Minić, M.Šumar-Ristović, A. Grković, V. Blagojević, D. Poleti, K. Anđelković, *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., <http://www.socphyschemserb.org/enclosures/pc2012.pdf>
2. 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., <http://www.socphyschemserb.org/enclosures/pc2012.pdf>

3. 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., <http://www.socphyschemserb.org/enclosures/pc2012.pdf>
4. 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
5. 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, <http://www.socphyschemserb.org/enclosures/pc2014.pdf>
6. 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, <http://www.socphyschemserb.org/enclosures/pc2014.pdf>
7. 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 2-alkylidene-4-oxythiazolidines, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade 2014, <http://www.socphyschemserb.org/enclosures/pc2014.pdf>

Саопштење са међународног скупа штампано у изводу M34

1. 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.
2. 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., <http://mrs-serbia.org.rs/index.php/yucomat-2011/y2011b>
3. V. Blagojević, M. Vasić, A. Grković, D. Minić, D. Minić, Influence of Thermalz 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., <http://www.itn.sanu.ac.rs/images/ACAI.pdf>
4. Milica M. Vasić, Vladimir A. Blagojević, Dušan M. Minić, Dragica M. Minić, Kinetics of Crystallization of Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} Amorphous Alloy, Joint event of 11th Young Researchers, Conference: Materials Science and Engineering and the 1st European Early Stage on

Hydrogen Storage, Belgrade (2012), E17, p 158, <http://mrs-serbia.org.rs/index.php/yrp-books-of-abstracts/11yrp2012>

5. 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 Hydrogen Storage, Belgrade (2012) p 58, <http://mrs-serbia.org.rs/index.php/yrp-books-of-abstracts/11yrp2012>
6. N. Begović, J. Tanasijević, N. Stojanović, M. Vasić, V. Blagojević, D. Poleti, D. Minić, Thermal Degradation of $[\text{Ni}_2(\text{btc})(\text{dipy})_2(\text{H}_2\text{O})_6]\cdot 4\text{H}_2\text{O}$ Complex, 2nd Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania (2013), PS3.85, <http://www.ceec-tac.org/download.php?f=../download/BofA%20CEEC-TAC2.pdf>
7. M. Vasić, D. Minić, V. Blagojević, D. Minić, Mechanism and kinetics of crystallization of $\text{Fe}_{81}\text{B}_{13}\text{Si}_4\text{C}_2$ amorphous alloy, 2nd Eastern European Conference on Thermal Analysis and Calorimetry, Vilnius, Lithuania (2013), <http://www.ceec-tac.org/download.php?f=../download/BofA%20CEEC-TAC2.pdf>
8. Dragica M. Minić, Milica Vasić, Dušan M. Minić, Bohumil David, Vladimir A. Blagojević, Tomáš Žák, Thermally Induced Structural Transformations of $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$ Amorphous Alloy, Advanced Ceramics and Applications III conference, Belgrade 2014., <http://serbianceramicsociety.rs/doc/ACAIII.pdf>
9. Milica M. Vasić, Vladimir A. Blagojević, Dragica M. Minić, Thermally induced structural transformations of $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$ amorphous alloy, 13th Young Researchers Conference – Materials Science and Engineering, Belgrade 2014., <http://mrs-serbia.org.rs/index.php/yrp-books-of-abstracts/13th-young-researchers-conference>
10. N. Obradović, N. Đorđević, S. Filipović, D. Kosanović, S. Marković, V. Blagojević, V. Pavlović, "Kinetics and thermodynamics of thermally activated processes in cordierite-based ceramics", 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry, CEEC-TAC4, Chisinau, Moldova, Book of abstracts, (2017)
11. N. Obradović, W. G. Fahrenholtz, S. Filipović, S. Marković, V. Blagojević, S. Lević, A. Đorđević, V. Pavlović, "Influence of mechanical activation on kinetics and formation of spinel monitored by DTA", 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis, 27-30 August, Roma, Italy, Programme and the book of abstracts, (2019), p. 70.

Рад у часопису националног значаја М52

1. D. Minić, V. Blagojević, D. Minić, *Uticaј zagrevanja na funkcionalna svojstva amorfnе legure $\text{Fe}_{81}\text{B}_{13}\text{Si}_4\text{C}_2$* , Tehnika 3/2013 (2013) 439-450 (<http://www.sits.org.rs/include/data/docs0435.pdf>)

Објављени радови пре 2011. године

1. 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 V₂O₃ Nanocrystals, Phys. Rev. B 82 (2010) 09445
(<http://journals.aps.org/prb/pdf/10.1103/PhysRevB.82.094453>) IF: 3.664 (M21)
2. 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 113 (46) (2009) 19806-1981 (<http://pubs.acs.org/doi/pdf/10.1021/jp905332z>) IF: 4.853 (M21)

Услов за стицање звања

У складу са чланом 33. Правилника о стицању истраживачких и научних звања, кандидат је дужан да испуни два пута више минималних квантитативних резултата по сваком од критеријума, за свако научно звање за које није био биран појединачно у периоду од десет година за звање виши научни сарадник.

Сабирање бодова по категоријама

Ознака групе	Број радова	Вредност индикатора	Укупна вредност / Нормирана вредност*
M13	1	7	7 / 7,0
M14	2	4	8 / 8,0
M21a	2	10	20 / 20,0
M21	22	8	176 / 163,5
M22	14	5	70 / 65,3
M23	6	3	18 / 18,0
M24	1	3	3 / 3,0
M29a	1	1,5	1,5 / 1,5
M33	7	1	7 / 7,0
M34	11	0,5	5,5 / 5,4
M52	1	1,5	1,5 / 1,5
Укупно			317.5 / 300.2

* нормирани радови са бројем аутора преко 7 по формули $k/(1+0,2(n-7))$

Критеријуми за избор у научно звање виши научни сарадник (према члану 33. Правилника)

Потребан услов	Остварено/ Нормирана вредност
$M10+M20+M31+M32+M33+M41+M42+M90 \geq 100$ ($2 \times 40 + 2 \times 10$)	316 / 298,7
$M11+M12+M21a+M21+M22+M23 \geq 70$ ($2 \times 30 + 2 \times 5$)	299 / 281,8
Укупно ≥ 132 ($2 \times 50 + 2 \times 16$)	317.5 / 300,2

Извештај о цитираниости др Владимира Благојевића

(према индексним базама Scopus)

Радови др Владимира Благојевића су цитирани укупно 219 пута (без аутоцитата) у радовима у међународним часописима закључно са 15.03.2021.

- (1) *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*

Цитати:

1. Dash, D., Pandey, C.K., Chaudhary, S., Tripathy, S.K.; Structural, electronic, and mechanical properties of anatase titanium dioxide: An ab-initio approach; 2019; Multidiscipline Modeling in Materials and Structures; 15; 2; 306; 316; <https://doi.org/10.1108/MMMS-03-2018-0043>
2. Soichi Shirai, Shunsuke Sato, Tomiko M. Suzuki, Ryosuke Jinnouchi, Nobuko Ohba, Ryoji Asahi, and Takeshi Morikawa; Effects of Ta₂O₅ Surface Modification by NH₃ on the Electronic Structure of a Ru-Complex/N-Ta₂O₅ Hybrid Photocatalyst for Selective CO₂ Reduction; 2018; Journal of Physical Chemistry C; 122; 4; 1921; 1929; <https://doi.org/10.1021/acs.jpcc.7b09670>
3. Enrico Berardo, Ferdinand Kaplan, Kiran Bhaskaran-Nair, William A. Shelton, Michiel J. van Setten, Karol Kowalski, and Martijn A Zwijnenburg; Benchmarking the Fundamental Electronic Properties of small TiO₂ Nanoclusters by GW and Coupled Cluster Theory Calculations; 2017; J. Chem. Theory Comput; 13; 8; 3814; 3828; <https://doi.org/10.1021/acs.jctc.7b00538>
4. Richard B. Wang, Sabine Körbel, Santanu Saha, Silvana Botti, and Natalia V. Skorodumova; Structure and Optical Properties of Small (TiO₂)_n Nanoparticles, n = 21–24; 2017; J. Phys. Chem. C; 121; 17; 9528; 9536; <https://doi.org/10.1021/acs.jpcc.6b11461>
5. Erik G. Brandt, Lorenzo Agosta and Alexander Lyubartsev; Reactive wetting properties of TiO₂ nanoparticles predicted by ab initio molecular dynamics simulations; 2016; Nanoscale; 8; 13385; 13398; <https://doi.org/10.1039/C6NR02791A>
6. Samaneh Bagheri Novir, Seyed Majid Hashemianzadeh; Computational study of new azo dyes with different anchoring groups for dye-sensitised solar cells; 2016; Molecular Physics; 114; 5; 650; 662; <https://doi.org/10.1080/00268976.2015.1110629>
7. Steven V. Jerome, Thomas F. Hughes and Richard A. Friesner; Successful application of the DBLOC method to the hydroxylation of camphor by cytochrome p450; 2016; Protein Science; 25; 1; 277; 285; <https://doi.org/10.1002/pro.2819>
8. E Berardo, MA Zwijnenburg; Modelling the Water Splitting Activity of a TiO₂ Rutile Nanoparticle; 2015; Journal of Physical Chemistry C; 119; 24; 13384; 13393; <https://doi.org/10.1021/acs.jpcc.5b01512>
9. Enrico Berardo, Han-Shi Hu, Hubertus J.J. van Dam, Stephen Andrew Shevlin, Scott M. Woodley, Karol Kowalski, and Martijn A Zwijnenburg; Describing Excited State Relaxation and Localization in TiO₂ Nanoparticles Using TD-DFT; 2014; J. Chem. Theory Comput.; 10; 12; 5538; 5548; <https://doi.org/10.1021/ct500787x>

10. Enrico Berardo , Han-Shi Hu , Hubertus J.J. van Dam , Stephen Andrew Shevlin , Scott M. Woodley , Karol Kowalski , and Martijn A Zwijnenburg; Modeling Excited States in TiO₂ Nanoparticles: On the Accuracy of a TD-DFT Based Description; 2014; J. Chem. Theory Comput.; 10; 3; 1189; 1199; <https://doi.org/10.1021/ct4010273>
11. SB Novir, SM Hashemianzadeh; Computational investigation of low band gap dyes based on 2-styryl-5-phenylazo-pyrrole for dye-sensitized solar cells; 2014; Current Applied Physics; 14; 10; 1401; 1410; <https://doi.org/10.1016/j.cap.2014.07.016>
12. Steven V. Jerome , Thomas F. Hughes , and Richard A Friesner; Accurate pKa Prediction in First-Row Hexaaqua Transition Metal Complexes using the B3LYP-DBLOC Method; 2014; Journal of Physical Chemistry B; 118; 28; 8008; 8016; <https://doi.org/10.1021/jp501086h>
13. Jing Zhang , Michael L. Steigerwald , Louis E. Brus , and Richard A Friesner; Covalent O-H bonds as Electron Traps in Proton-rich Rutile TiO₂ Nanoparticles; 2014; Nano Letters; 14; 4; 1785; 1789; <https://doi.org/10.1021/nl404307n>
14. M. Gałyńska, P. Persson; Material dependence of water interactions with metal oxide nanoparticles: TiO₂, SiO₂, GeO₂, and SnO₂; 2014; Advances in Quantum Chemistry; 69; 303; 332; <https://doi.org/10.1016/B978-0-12-800345-9.00008-8>
15. Malgorzata Makowska-Janusik , Olga Gladii , Abdelhadi Kassiba , Johann Bouclé , and Nathalie Herlin-Boime; Cluster approach to model titanium dioxide as isolated or organic dye sensitized nanoobjects; 2014; Journal of Physical Chemistry C; 118; 12; 6009; 6018; <https://doi.org/10.1021/jp4104855>
16. 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; 2611; 2620; <https://doi.org/10.1002/qua.24522>
17. 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; 194705; <https://doi.org/10.1063/1.4805000>
18. 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; 5142; 5147; <https://doi.org/10.1039/C3TA10528H>
19. 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; 12028; 12042; <https://doi.org/10.1021/ja3013787>
20. 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; 260; 280; <https://doi.org/10.1039/C1GC15992E>
21. 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; 121; 162; <https://doi.org/10.1504/IJNT.2012.044833>
22. Sahoo, S.K., Pal, S., Sarkar, P., Majumder, C.; Size-dependent electronic structure of rutile TiO₂ quantum dots; 2011; Chemical Physics Letters; 516; 2/3; 68; 71; <https://doi.org/10.1016/j.cplett.2011.09.047>
23. 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; 1659; 1670;
<https://doi.org/10.1002/qua.22889>
24. 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; 8994; 9004;
<https://doi.org/10.1021/jp202590e>
 25. 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; 2738; 2749; <https://doi.org/10.1021/jp109014a>
 26. 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; 250; 255;
<https://doi.org/10.1016/j.jphotochem.2010.07.007>
 27. Filonenko, O.V., Demianenko, E.M. and Lobanov, V.V.; Квантово-хімічне моделювання центрів адсорбції ортофосфорної кислоти на гідратованій поверхні анатазу; 2020; Surface; 12; 27; 20; 35; <https://doi.org/10.15407/Surface.2020.12.020>
- (2) *Blagojevic, VA; Carlo, JP; Brus, LE; Steigerwald, ML; Uemura, YJ; Billinge, SJJ; 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.*

Цитати:

1. Kengni-Zanguim, Brice, Loïc Joly, Fabrice Scheurer, Philippe Ohresser, Jean-François Dayen, Corinne Ulhaq-Bouillet, Joseph Uzan, Bohdan Kundys, Hicham Majjad, and David Halley; Magnetic phase and magneto-resistive effects in vanadium oxide epitaxial nanoclusters; 2020; Applied Physics Letters; 116; 4; 42404; <https://doi.org/10.1063/1.5131829>
2. Reznitsky, L.Z., Sklyarov, E.V., Suvorova, L.F., Barash, I.G.; Solid solutions of karelianite and eskolaite (Slyudyanka complex, southern baikal area): Genesis and a possible petrogenetic indicator; 2019; Russian Geology and Geophysics; 60; 11; 1229; 1246;
<https://doi.org/10.15372/RGG2019114>
3. Benjamin A. Frandsen, Yoav Kalcheim, Ilya Valmianski, Alexander S. McLeod, Z. Guguchia, Sky C. Cheung, Alannah M. Hallas, Murray N. Wilson, Yipeng Cai, Graeme M. Luke, Z. Salman, A. Suter, T. Prokscha, Taito Murakami, Hiroshi Kageyama, D. N. Basov, Ivan K. Schuller, and Yasutomo J. Uemura; Intertwined magnetic, structural, and electronic transitions in V₂O₃; 2019; Physical Review B - Condensed Matter and Materials Physics; 100; 235136;
<https://doi.org/10.1103/PhysRevB.100.235136>
4. YD Wu, GH Zhang, R Xu, Y Wang, KC Chou; Fabrication of pure V₂O₃ powders by reducing V₂O₅ powders with CO-CO₂ mixed gases; 2019; Ceramics International; 45; 2; 2117; 2123; <https://doi.org/10.1016/j.ceramint.2018.10.117>
5. H Ji, D Liu, H Cheng, L Yang, C Zhang, W Zheng; Facile synthesis and electrical switching properties of V₂O₃ powders; 2017; Materials Science and Engineering: B; 217; 1; 6;
<https://doi.org/10.1016/j.mseb.2017.01.003>
6. Frandsen Benjamin A., Liu Lian, Cheung Sky C., Guguchia Zurab, Khasanov Rustem, Morenzoni Elvezio, Munsie Timothy J. S., Hallas Alannah M., Wilson Murray N., Cai Yipeng,

- Luke Graeme M., Chen Bijuan, Li Wenmin, Jin Changqing, Ding Cui, Guo Shengli, Ning Fanlong, Ito Takashi, Higemoto Wataru, Billinge Simon J. L., Sakamoto Shoya, Fujimori Atsushi, Murakami Taito, Kageyama Hiroshi, Alonso Jose Antonio, Kotliar Gabriel, Imada Masatoshi and Uemura Yasuotomo J.; Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning; 2016; Nature Communications; 7; 12519; <https://doi.org/10.1038/ncomms12519>
7. Y Zhang, C Huang, C Meng, T Hu; A novel route for synthesis and growth formation of metal oxides microspheres: Insights from V₂O₃ microspheres; 2016; Materials Chemistry and Physics; 177; 543; 553; <https://doi.org/10.1016/j.matchemphys.2016.04.067>
 8. G Xu, X Wang, X Chen, L Jiao; Facile Synthesis and Phase Transition of V₂O₃ Nanobelts; 2015; RSC Advances; 5; 17782; 17785; <https://doi.org/10.1039/C4RA13707H>
 9. P. Billik, A. Cigáň, M. Čaplovičová, M. Škrátek, A. Dvurečenskij, M. Majerová, R. Bystrický, P. Antal, J. Maňka; V₂O₃ nanocrystals prepared by mechanochemical–thermal reduction and their magnetic properties; 2013; Materials Letters; 110; 24; 26; <https://doi.org/10.1016/j.matlet.2013.07.111>
 10. Amy Bergerud, Raffaella Buonsanti, Jean L. Jordan-Sweet, and Delia J. Milliron; Synthesis and Phase Stability of Metastable Bixbyite V₂O₃ Colloidal Nanocrystals; 2013; Chemistry of Materials; 25; 15; 3172; 3179; <https://doi.org/10.1021/cm401530t>
 11. 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; 385401; <https://iopscience.iop.org/article/10.1088/0953-8984/25/38/385401/meta>
 12. Bai, Y., Jin, P., Ji, S., Luo, H., Gao, Y.; Preparation and characterization of V₂O₃ microcrystals via a one-step hydrothermal process; 2013; Ceramics International; 39; 7; 7803; 7808; <https://doi.org/10.1016/j.ceramint.2013.03.040>
 13. 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; 2025; 2028; <https://doi.org/10.1002/jrs.4112>
 14. 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; 35449; <https://doi.org/10.1103/PhysRevB.86.035449>
 15. 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; 1650; 1659; <https://doi.org/10.1002/ejic.201101266>
 16. 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; 43103; <https://doi.org/10.1063/1.3679396>
 17. 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; 2797; 2800;

18. 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; 6438; 6447; <https://doi.org/10.1021/jp200691k>

(3) *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, Thermochemica Acta (2011) 519, 83-89.*

Цитати:

1. Kengni-Zanguim, Brice, Loïc Joly, Fabrice Scheurer, Philippe Ohresser, Jean-François Dayen, Corinne UlhaqHou, 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; 270; 274; https://en.cnki.com.cn/Article_en/CJFDTotal-GNCL201302026.htm
2. S Cheng, C Wang, M Ma, D Shan, B Guo; Non-isothermal crystallization kinetics of Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni₁₀Be_{22.5} amorphous alloy; 2014; Thermochemica Acta; 519; 2; 11; 17; <https://doi.org/10.1016/j.tca.2014.04.009>
3. 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; 61; 65; <https://doi.org/10.1016/j.jallcom.2015.02.046>
4. MA Abdel-Rahim, MM Hafiz, AZ Mahmoud; Crystallization kinetics of overlapping phases in Se₇₀Te₁₅Sb₁₅ using isoconversional methods; 2015; Progress in Natural Science: Materials International; 25; 2; 169; 177; <https://doi.org/10.1016/j.pnsc.2015.03.001>
5. K Men, D Yu, Y Luo, J Jin, K Zhang, K Li; Effect of wheel speed on the crystallization behavior of as-quenched Nd-Fe-B alloys; 2016; AIP Advances; 6; 025306; <https://doi.org/10.1063/1.4942039>
6. M. Ansariniya, A. Seifoddini, S. Hasani; (Fe_{0.9}Ni_{0.1})₇₇Mo₅P₉C_{7.5}B_{1.5} bulk metallic glass matrix composite produced by partial crystallization: The non-isothermal kinetic analysis; 2018; Journal of Alloys and Compounds; 763; 606; 612; <https://doi.org/10.1016/j.jallcom.2018.05.360>
7. Saeed Hasani, Mahsa Ansariniya, Amir Seifoddini; Enhancement of mechanical properties of a soft magnetic Fe-based metallic glass; 2019; Materials Science and Technology ; 35; 7; 865; 871; <https://doi.org/10.1080/02670836.2019.1594552>
8. Chen Z, Zhu QK, Zhang SL, Zhang KW, Jiang Y; Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys; 2019; Chinese Physics B; 28; 8; 087502; <https://doi.org/10.1088/1674-1056/28/8/087502>
9. B Wang, MY Jiang, Y Xu, J Hu, J Wang, C Zhou; Microstructure and Properties of Fe-based Amorphous/Nanocrystalline Coating Prepared by Arc Surface Welding; 2020; JOM; 72; 2; 665; 672; <https://doi.org/10.1007/s11837-019-03927-5>
10. Z Chen, Q Zhu, K Zhang, Y Jiang; The non-isothermal and isothermal crystallization behavior and mechanism of Fe-Ni alloys; 2020; Crystal Growth & Design; 20; 4; 2187; 2193; <https://doi.org/10.1021/acs.cgd.9b01059>
11. Shoab, Mohd, Raja Saifu Rahman, Zubair Aslam, and Mohammad Zulfequar; Effect of bismuth incorporation on thermal properties of quaternary chalcogenide glass Se₈₀Te₁₅-

xCd₅Bix (x= 0, 5, 10) alloys; 2020; Ceramics International;
<https://doi.org/10.1016/j.ceramint.2020.06.269>

- (4) *N. R. Filipović, S. Bjelogrić, T. R. Todorović, V. Blagojević, C. D. Muller, A. Marinković, M. Vujčić, B. Janović, A. Malešević, N. Begović, M. Sencanski and D. Minic, Ni(II) complex with bishydrazone ligand: synthesis, characterization, DNA-binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines, RSC Advances (2016) 6, 108726-108740*

Цитати:

1. Y Li, Z Yang, M Zhou, Y Li, J He, X Wang, Z Lin; Ni(II) and Co(II) complexes of an asymmetrical aroylhydrazone: synthesis, molecular structures, DNA binding, protein interaction, radical scavenging and cytotoxic activity; 2017; RSC Advances; 7; ; 41527; 41539; <https://doi.org/10.1039/C7RA05504H>
2. Hadian Rasanani, Sara, Mahboube Eslami Moghadam, Esmail Soleimani, Adeleh Divsalar, and Ali Akbar Tarlani; Improving activity of anticancer oxalipalladium analog by the modification of oxalate group with isopentyl glycine.; 2017; Journal of Coordination Chemistry ; 70; 22; 3769; 3789; <https://doi.org/10.1080/00958972.2017.1395417>
3. Snežana Bjelogrić, Tamara R.Todorović, Ilija Cvijetić, Marko V.Rodić, Miroslava Vujčić, Sanja Marković, Jovana Araškov, Barbara Janović, Fathi Emhemmed, Christian D.Muller, Nenad R.Filipović; A novel binuclear hydrazone-based Cd(II) complex is a strong pro-apoptotic inducer with significant activity against 2D and 3D pancreatic cancer stem cells; 2019; Journal of Inorganic Biochemistry; 190; 45; 66; <https://doi.org/10.1016/j.jinorgbio.2018.10.002>
4. Y Li, Y Li, Z Yang, N Wang, M Zhou, Z Xia, Q Gong, Q Gao; Distinct supramolecular assemblies of Fe(III) and Ni(II) complexes constructed from the o-vanillin salicylhydrazone ligand: syntheses, crystal structures, DNA/protein interaction, and antioxidant and cytotoxic activity; 2019; New Journal of Chemistry; 43; 21; 8024; 8043; <https://doi.org/10.1039/C8NJ06530F>
5. S. Seyfi, R. Alizadeh, M. D. Ganji, V. Amani; Polymorphism of Palladium(II) Complexes : Crystal Structure Determination, Luminescence Properties, Hirshfeld Surface Analyses and DFT/TD-DFT Studies; 2019; ChemistrySelect; 4; 20; 6209; 6218; <https://doi.org/10.1002/slct.201900804>
6. L.-Y. Xie, Y. Zhang, H. Xu, C.-D. Gong, X.-L. Du, Y. Li, M. Wang and J. Qin; Synthesis, structure and bioactivity of Ni²⁺ and Cu²⁺ acyl-hydrazone complexes; 2019; Acta Crystallographica Section C; 75; 927; 934; <https://doi.org/10.1107/S2053229619008040>
7. Yun Li, Yueqin Li, Nana Wang, Dong Lin, Xiaohui Liu, Yong Yang, Qinwei Gao; Synthesis, DNA/BSA binding studies and in vitro biological assay of nickel(II) complexes incorporating tridentate aroylhydrazone and triphenylphosphine ligands; 2019; Journal of Biomolecular Structure and Dynamics; <https://doi.org/10.1080/07391102.2019.1694995>
8. Snežana K. Bjelogrić, Tamara R. Todorović, Milan Kojić, Milan Senčanski, Milan Nikolić, Aleksandar Višnjevac, Jovana Araškov, Marija Miljković, Christian D. Muller, Nenad R. Filipović; Pd(II) complexes with N-heteroaromatic hydrazone ligands: Anticancer activity, in silico and experimental target identification; 2019; Journal of Inorganic Biochemistry; 199; 110758; <https://doi.org/10.1016/j.jinorgbio.2019.110758>

9. Gao, E., Li, Z., Zhu, X., Ma, Z. and Zhu, M.; Synthesis, characterization, DNA binding, cytotoxicity and molecular docking properties of three novel butterfly-like complexes with nitrogen-containing heterocyclic ligands.; 2020; Applied Organometallic Chemistry; <https://doi.org/10.1002/aoc.5655>
 10. Kadu, P., Pandey, S., Neekhara, S., Kumar, R., Gadhe, L., Srivastava, R., Sastry, M. and Maji, S.K.; Machine-Free Polymerase Chain Reaction with Triangular Gold and Silver Nanoparticles.; 2020; The Journal of Physical Chemistry Letters; 11; 10489; 10496; <https://doi.org/10.1021/acs.jpcllett.0c02708>
- (5) *Blagojević, V.A., Minić, D.M., Žák, T., Minić, D.M. Influence of thermal treatment on structure and microhardness of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy, (2011) Intermetallics, 19 (12), pp. 1780-1785.*

Цитати:

1. F Xie, Q Chen, J Gao, Y Li; Laser 3D Printing of Fe-Based Bulk Metallic Glass: Microstructure Evolution and Crack Propagation; 2019; Journal of Materials Engineering and Performance; 28; 6; 3478; 3486; <https://doi.org/10.1007/s11665-019-04103-1>
2. Huang, F., Kang, J.J., Yue, W., Liu, X.B., Fu, Z.Q., Zhu, L.N., She, D.S., Ma, G.Z., Wang, H.D., Liang, J. and Weng, W.; Effect of heat treatment on erosion–corrosion of Fe-based amorphous alloy coating under slurry impingement; 2020; Journal of Alloys and Compounds; 820; 153132; <https://doi.org/10.1016/j.jallcom.2019.153132>
3. C.Dong, A.Inoue, X.H.Wang, F.L.Kong, E.N.Zanaeva, F.Wang, A.I.Bazlov, S.L.Zhu, Q.Li; Soft magnetic properties of Fe₈₂₋₈₃B₁₄₋₁₅Si₂C_{0.5-1} amorphous alloys with high saturation magnetization above 1.7 T; 2018; Journal of Non-Crystalline Solids; 500; 173; 180; <https://doi.org/10.1016/j.jnoncrysol.2018.07.072>
4. S.L.Wang, Z.Y.Zhang, Y.B.Gong, G.M.Nie; Microstructures and corrosion resistance of Fe-based amorphous/nanocrystalline coating fabricated by laser cladding; 2017; Journal of Alloys and Compounds; 728; 1116; 1123; <https://doi.org/10.1016/j.jallcom.2017.08.251>
5. A Seiffodini, S Zaremehrijardi; Effects of heat treatment on crystallization behavior, microstructure and the resulting microhardness of a (Fe_{0.9}Ni_{0.1})₇₇Mo₅P₉C_{7.5}B_{1.5} bulk metallic glass composite; 2016; Journal of Non-Crystalline Solids; 432; B; 313; 318; <https://doi.org/10.1016/j.jnoncrysol.2015.10.023>
6. Jiecheng Diao, Bo Chen, Wei Lin, Qiang Luo, Xianping Liu, Jun Shen and Ian Robinson; Nucleation of Fractal Nanocrystallites upon Annealing of Fe-based Metallic Glass; 2017; Journal of Materials Research; 32; 10; 1880; 1887; <http://doi.org/10.1557/jmr.2017.79>
7. Wenmin Guo, Yuping Wu, Jianfeng Zhang, Sheng Hong, Gaiye Li, Guobing Ying, Ji Guo, Yujiao Qin ; Fabrication and Characterization of Thermal-Sprayed Fe-Based Amorphous/Nanocrystalline Composite Coatings: An Overview; 2014; Journal of Thermal Spray Technology; 23; 7; 1157; 1180; <https://doi.org/10.1007/s11666-014-0096-z>
8. Yu Zhang, Biao Yan, Ying Yang, Yuxin Wang; Non-isothermal nanocrystallization kinetics study on (Fe_{0.8}Ni_{0.15}M_{0.05})₇₈Si₈B₁₄ (M = Nb, Ta, W) amorphous alloys; 2013; Journal of Alloys and Compounds; 574; 556; 559; <https://doi.org/10.1016/j.jallcom.2013.03.119>
9. 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; 243; 246;
<https://doi.org/10.1134/S1063783413020054>

- (6) *V. A. Blagojević, V. Lukić, N. N. Begović, A. M. Maričić, D. M. Minić, "Hydrogen storage in a layered flexible [Ni₂(btc)(en)₂]_n coordination polyme", Int. J. Hydr. Energy 41 (2016) 22171-22181*

Цитати:

1. [Abdel-Hameed, S. A. M., N. Ismail, H. F. Youssef, H. E. H. Sadek, and M. A. Marzouk; Preparation and characterization of mica glass-ceramics as hydrogen storage materials; 2017; International Journal of Hydrogen Energy; 42; 10; 6829; 6839; <http://dx.doi.org/10.1016/j.ijhydene.2016.11.190>](#)
2. [K Pareek, R Rohan, Z Chen, D Zhao, H. Cheng; Ambient temperature hydrogen storage in porous materials with exposed metal sites; 2017; International Journal of Hydrogen Energy; 42; 10; 6801; 6809; <http://dx.doi.org/10.1016/j.ijhydene.2017.01.209>](#)
3. [Berenguer-Murcia, Ángel, Juan Pablo Marco-Lozar, and Diego Cazorla-Amorós; Hydrogen Storage in Porous Materials: Status, Milestones, and Challenges; 2018; The Chemical Record; 18; 8-Jul; 900; 912; <https://doi.org/10.1002/tcr.201700067>](#)
4. [W Zheng, CS Tsang, LYS Lee, KY Wong; Two-dimensional metal-organic framework and covalent-organic framework: synthesis and their energy-related applications; 2019; Materials Today Chemistry; 12; 34; 60; <https://doi.org/10.1016/j.mtchem.2018.12.002>](#)
5. [Andrew R.LaDuca, Jack J.Przybyla, Angela R.Porta, Robert L.LaDuca; Nitroaromatic detecting zinc cyclohexyldicarboxylate coordination polymers with a long spanning dipyriddy tethering ligand; 2019; Polyhedron; 165; 143; 151; <https://doi.org/10.1016/j.poly.2019.03.018>](#)
6. [NA Bahari, WNRW Isahak, MS Masdar, Z Yaakob; Clean hydrogen generation and storage strategies via CO₂ utilization into chemicals and fuels: A review; 2019; International Journal of Energy Research; 43; 10; 5128; 5150; <https://doi.org/10.1002/er.4498>](#)
7. [CJ Kalman, BS Stone, RL LaDuca; Structural diversity and variable temperature magnetic properties in copper dimethylmalonate coordination polymers containing dipyriddy-type coligands; 2019; Polyhedron; 170; 674; 682; <https://doi.org/10.1016/j.poly.2019.06.018>](#)
8. [Du, Z., Nie, X., Deng, S., Zhao, L., Li, S., Zhang, Y. and Zhao, J; Comparative analysis of calculation method of adsorption isosteric heat: Case study of CO₂ capture using MOFs; 2020; Microporous and Mesoporous Materials; 298; 110053; <https://doi.org/10.1016/j.micromeso.2020.110053>](#)
9. [C Guo, C Wang; The effect of charge on the dihydrogen storage capacity of Sc₂-C₆H₆; 2021; International Journal of Hydrogen Energy; 46; 1; 955; 966; <https://doi.org/10.1016/j.ijhydene.2020.10.007>](#)

- (7) *J. Živojinović, V. P. Pavlović, D. Kosanović, S. Marković, J. Krstić, V. A. Blagojević, V. B. Pavlović, "The influence of mechanical activation on structural evolution of nanocrystalline SrTiO₃ powders", Journal of Alloys and Compounds, 695 (2017) 863-870*

Цитати:

1. T Zhang, Z Pan, Y Wang; Low-temperature synthesis of zircon by soft mechano–chemical activation-assisted sol–gel method; 2017; Journal of Sol-Gel Science and Technology; 84; 1; 118; 128; <https://doi.org/10.1007/s10971-017-4480-2>
2. Yuichi Yamaguchi, Sho Usuki, Yoshihiro Kanai, Kenji Yamatoya, Norihiro Suzuki, Ken-ichi Katsumata, Chiaki Terashima, Tomonori Suzuki, Akira Fujishima, Hideki Sakai, Akihiko Kudo, and Kazuya Nakata; Selective Inactivation of Bacteriophage in the Presence of Bacteria by Use of Ground Rh-Doped SrTiO₃ Photocatalyst and Visible Light; 2017; ACS Applied Materials & Interfaces; 9; 37; 31393; 31400; <https://doi.org/10.1021/acsami.7b07786>
3. Yuichi Yamaguchi, Sho Usuki, Kenji Yamatoya, Norihiro Suzuki, Ken-ichi Katsumata, Chiaki Terashima, Akira Fujishima, Akihiko Kudo and Kazuya Nakata; Efficient photocatalytic degradation of gaseous acetaldehyde over ground Rh–Sb co-doped SrTiO₃ under visible light irradiation; 2018; RSC Advances; 8; 5331; 5337; <https://doi.org/10.1039/C7RA11337D>
4. Trabelsi H., Bejar M., Dhahri E., Graça M.P.F., Valente M.A., Khirouni K.; Structure, Raman, dielectric behavior and electrical conduction mechanism of strontium titanate; 2018; Physica E: Low-Dimensional Systems and Nanostructures; 99; 75; 81; <https://doi.org/10.1016/j.physe.2018.01.019>
5. Mahmoud S. Alkathy, K.C. James Raju; Enhancement of dielectric properties and energy storage density of bismuth and lithium co-substituted strontium titanate ceramics; 2018; Ceramics International; 44; 9; 10367; 10375; <https://doi.org/10.1016/j.ceramint.2018.03.049>
6. Carvalho, M.H., Piton, M.R., Lemine, O.M., Bououdina, M., Galeti, H.V., Souto, S., Pereira, E.C., Gobato, Y.G. and de Oliveira, A.J.; Effects of strain, defects and crystal phase transition in mechanically milled nanocrystalline In₂O₃ powder; 2019; Materials Research Express; 6; 2; 25017; <https://doi.org/10.1088/2053-1591/aec62>
7. D.Stoyanova, I.Stambolova, V.Blaskov, K.Zaharieva, I.Avramova, O.Dimitrov, S.Vassilev, A.Eliyas, N.Nedyalkov; Mechanical milling of hydrothermally obtained CaTiO₃ powders— morphology and photocatalytic activity; 2019; Nano-Structures & Nano-Objects; 18; 100301; <https://doi.org/10.1016/j.nanoso.2019.100301>
8. Stoyanova D.D., Stambolova I.D.; Effect of mechanical activation of caTiO₃ powder on some physicochemical properties; 2018; Comptes Rendus de L'Academie Bulgare des Sciences; 71; 12; 1623; 1628; http://www.proceedings.bas.bg/cgi-bin/mitko/0DOC_abs.pl?2018_c_05
9. Kapsalamova F.R., Kenzhaliyev B.K., Mironov V.G., Krasikov S.A.; Structural and phase transformations in wear resistant Fe-Ni-Cr-Cu-Si-B-C coatings; 2019; Journal of the Balkan Tribological Association; 25; 1; 95; 103; <https://scibulcom.net/en/article/FPxQo4izLwzXiH7R1GJ5>

(8) *D. M. Minić, V. A. Blagojević, Hydrothermal Synthesis and Ligand Controlled Growth of Vanadium Oxide Nanostructures, CrystEngComm, 2013, 15 (33), 6617 – 6624*

Цитати:

1. D Majumdar, M Mandal, SK Bhattacharya; V₂O₅ and Its Carbon-Based Nanocomposites for Supercapacitor Applications; 2019; ChemElectroChem; 6; 6; 1623; 1648; <https://doi.org/10.1002/celec.201801761>
2. M Li, S Magdassi, Y Gao, Y Long; Hydrothermal Synthesis of VO₂ Polymorphs: Advantages, Challenges and Prospects for the Application of Energy Efficient Smart Windows; 2017; Small; 13; 36; 1701147; <https://doi.org/10.1002/smll.201701147>

3. N Steunou, J Livage; Rational design of one-dimensional vanadium(V) oxide nanocrystals: an insight into the physico-chemical parameters controlling the crystal structure, morphology and size of particles.; 2015; CrystEngComm; 17; 6780; 6795; <https://doi.org/10.1039/C5CE00554J>
4. Muhammad Hussain, M. Nadeem, Hongyu Sun, Shafqat Karim, Amjad Nisar, Maaz Khan, Mashkoor Ahmad; Electrical transport properties of single crystal vanadium pentoxide nanowires; 2015; Materials Chemistry and Physics; 159; 19; 24; <https://doi.org/10.1016/j.matchemphys.2015.03.036>
5. Zhang, Y., Huang, C., Meng, C., Hu, T. ; A novel route for synthesis and growth formation of metal oxides microspheres: Insights from V₂O₃ microspheres; 2016; Materials Chemistry and Physics; 177; 543; 553; <https://doi.org/10.1016/j.matchemphys.2016.04.067>
6. R Shi, N Shen, J Wang, W Wang, A Amini, N Wang, C. Cheng; Recent advances in fabrication strategies, phase transition modulation, and advanced applications of vanadium dioxide; 2019; Applied Physics Reviews; 6; 11312; <https://doi.org/10.1063/1.5087864>
7. L Yang, X Li, X Zhang, C Huang; Supercritical solvothermal synthesis and formation mechanism of V₂O₃ microspheres with excellent catalytic activity on the thermal decomposition of ammonium perchlorate; 2019; Journal of Alloys and Compounds; 806; 1394; 1402; <https://doi.org/10.1016/j.jallcom.2019.07.083>
8. Wu, X., Weng, X., Yuan, L., Zhang, J., Qi, L., & Wei, B.; Phase-and shape-controlled synthesis of VO₂ by a hydrothermal-calcination method.; 2020; Vacuum; 109352; <https://doi.org/10.1016/j.vacuum.2020.109352>

----- h-index = 8 -----

(9) *M. M. Vasić, V. A. Blagojević, N. N. Begović, T. Žák, V. B. Pavlović, D. M. Minić, Thermally induced crystallization of amorphous Fe₄₀Ni₄₀P₁₄B₆ alloy, Thermochemica Acta 614 (2015) 129-136, <http://dx.doi.org/10.1016/j.tca.2015.06.015>*

Цитати:

1. R Svoboda, J Málek; How nucleation-growth kinetics is influenced by initial degree of material crystallinity; 2016; Thermochemica Acta; 631; 28; 35; <https://doi.org/10.1016/j.tca.2016.03.017>
2. Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of Fe₇₂Si₁₅B₈V₄Cu₁ Alloy; 2017; Metallurgical and Materials Transactions A; 48; 9; 4393; 4402; doi:10.1007/s11661-017-4182-y
3. EB Yekta, M Adineh, H Nasiri, H Shalchian; A new soft magnetic Fe₇₅Ta₅C₂₀ amorphous alloy: Modelling and Kinetics approach; 2019; Journal of Alloys and Compounds; 773; 537; 547; <https://doi.org/10.1016/j.jallcom.2018.09.188>
4. Chen Z, Zhu QK, Zhang SL, Zhang KW, Jiang Y; Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys; 2019; Chinese Physics B; 28; 8; 087502; <https://doi.org/10.1088/1674-1056/28/8/087502>
5. R Svoboda, G Luciano; Complex process activation energy evaluated by combined utilization of differential and integral isoconversional methods; 2020; Journal of Non-Crystalline Solids; 535; 120003; <https://doi.org/10.1016/j.jnoncrysol.2020.120003>

6. Vasić MM, Žák T, Pizúrová N, Simatović IS, Minić DM.; Influence of Thermal Treatment on Microstructure and Corrosion Behavior of Amorphous Fe 40 Ni 40 B 12 Si 8 Alloy.; 2020; Metallurgical and Materials Transactions A.; <https://doi.org/10.1007/s11661-020-06079-3>
7. Z Chen, Q Zhu, Z Li, Q Guo, K Zhang, Y Jiang; Effects of Si/B ratio on the isothermal crystallization behavior of FeNiSiBCuNb amorphous alloys; 2021; Thermochemica Acta; 697; 178854; <https://doi.org/10.1016/j.tca.2020.178854>

(10) *Blagojević, V.A., Vasić, M., Minić, D.M., Minić, D.M. Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe75Ni2Si8B13C2 alloy, (2012) Thermochemica Acta, 549, pp. 35-41.*

Цитати:

1. Yu Zhang, Biao Yan, Ying Yang, Yuxin Wang; Non-isothermal nanocrystallization kinetics study on (Fe_{0.8}Ni_{0.15}M_{0.05})₇₈Si₈B₁₄ (M = Nb, Ta, W) amorphous alloys; 2013; Journal of Alloys and Compounds; 574; 556; 559; <https://doi.org/10.1016/j.jallcom.2013.03.119>
2. Wang, L., Li, R., Wang, H. ; Study on thermal decomposition kinetics of sulfonamide potentiator- trimethoprim; 2014; Asian Journal of Chemistry; 26; 2; 486; 488; http://www.asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=26_3_41
3. Lin Wang; Qichao Yang; Hongwei Wang; Zhanping Qiao; Thermal Decomposition Kinetics of 2CsBr·LaBr₃·10H₂O; 2015; Asian Journal of Chemistry; 27; 10; 3767; 3769; http://www.asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=27_10_50
4. M Tomellini; Modeling the kinetics of consecutive phase transitions in the solid state; 2016; Journal of Materials Science; 51; 2; 809; 821; <https://doi.org/10.1007/s10853-015-9404-3>
5. Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of Fe₇₂Si₁₅B₈V₄Cu₁ Alloy; 2017; Metallurgical and Materials Transactions A; 48; 9; 4393; 4402; <https://doi.org/10.1007/s11661-017-4182-y>
6. Z Chen, Q Zhu, K Zhang, Y Jiang; The non-isothermal and isothermal crystallization behavior and mechanism of Fe-Ni alloys; 2020; Crystal Growth & Design; <https://doi.org/10.1021/acs.cgd.9b01059>

- (11) 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 Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy, (2012) Intermetallics, 21 (1), pp. 45-49.

Цитати:

1. L. Ribić-Zelenović, N. Ćirović, M. Spasojević, N. Mitrović, A. Maričić, V. Pavlović; Microstructural properties of electrochemically prepared Ni-Fe-W powders; 2012; Materials Chemistry and Physics; 135; 1; 212; 219; <https://doi.org/10.1016/j.matchemphys.2012.04.061>
2. 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; 133; 137; <http://www.doiserbia.nb.rs/Article.aspx?id=1450-53391400011J#.YC6gzzbPxII>
3. Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of Fe₇₂Si₁₅B₈V₄Cu₁ Alloy; 2017; Metallurgical and Materials Transactions A; 48; 9; 4393; 4402; <https://doi.org/10.1007/s11661-017-4182-y>
4. Ke Wang, Fujin Ling, Dongmei Gong, Guangqing Wang, Ruofei Chen, Ya Huang; Temperature effects on magnetic, electrical and optical properties of CoFeAlSi Heusler alloy thin films; 2018; Materials Chemistry and Physics; 214; 355; 358; <https://doi.org/10.1016/j.matchemphys.2018.05.002>
5. Guo, L. Y., X. Wang, K. C. Shen, K. B. Kim, S. Lan, X. L. Wang, and W. M. Wang; Structure modification and recovery of amorphous Fe_{73.5}Si_{13.5}B₉Nb₃Cu₁ magnetic ribbons after autoclave treatment: SAXS and Thermodynamic analysis; 2019; Journal of Materials Science & Technology; 35; 1; 118; 126; <https://doi.org/10.1016/j.jmst.2018.09.010>
6. Vasic M.M., Kalezic-Glisovic A.S., Milincic R., Maricic A.M., Minic D.M.; Influence of mechanical activation and heat treatment on magnetic properties of nano structured mixture Ni 85.8 Fe 10.6 Cu 2.2 W 1.4; 2019; Journal of Mining and Metallurgy, Section B: Metallurgy; 55; 1; 85; 93; <http://scindeks.ceon.rs/article.aspx?artid=1450-53391901085V>

- (12) 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.

Цитати:

1. Yeonjoo Lee, Jonggyu Jeon, Seungjin Nam, Teasuk Jang, Hwijun Kim, Minwoo Lee, Yongjin Kim, Dongyeol Yang, Kyeongsik Min, Hyunjoo Choi; Soft magnetic properties of Fe-based amorphous/nanocrystalline hybrid materials; 2018; Powder Technology; 339; 440; 445; <https://doi.org/10.1016/j.powtec.2018.08.037>
2. M. Ansariniya, A. Seifoddini, S. Hasani; (Fe_{0.9}Ni_{0.1})₇₇Mo₅P₉C_{7.5}B_{1.5} bulk metallic glass matrix composite produced by partial crystallization: The non-isothermal kinetic analysis; 2018; Journal of Alloys and Compounds; 763; 606; 612; <https://doi.org/10.1016/j.jallcom.2018.05.360>

3. P Rezaei-Shahreza, A Seifoddini, S Hasani; Thermal stability and crystallization process in a Fe-based bulk amorphous alloy: The kinetic analysis; 2017; Journal of Non-Crystalline Solids; 471; 286; 294; <https://doi.org/10.1016/j.jnoncrysol.2017.05.044>
4. Z WU, Z LU, X NI, D LI, F Shuo, Y QI; Effect of Heat Treatment on Corrosion Behaviour of Amorphous Metal Fibers; 2014; Journal of Iron and Steel Research, International; 21; 11; 1030; 1034; [https://doi.org/10.1016/S1006-706X\(14\)60179-5](https://doi.org/10.1016/S1006-706X(14)60179-5)
5. 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; 2015; International Journal of Thermal Sciences; 88; 1; 6; <https://doi.org/10.1016/j.ijthermalsci.2014.09.004>
6. Ren, L., Zeng, H., Zhang, F., Wang, Z., Zeng, X., Radwan, A.R.A., Wang, Y., Zhang, J., Xie, J. and Fu, Z; Fabrication of mullite nano ceramic through addition of long-chain carbohydrates; 2020; Materials Today Communications; 25; 101196; <https://doi.org/10.1016/j.mtcomm.2020.101196>

(13) *M. Vasić, D. M. Minić, V. A. Blagojević, D. M. Minić, Kinetics and mechanism of thermally induced crystallization of amorphous Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ alloy, Thermochim. Acta 584 (2014) 1-7*

Цитати:

1. M.I. Oshtrakh , Z. Klencsár, V.A. Semionkin, E. Kuzmann, Z. Homonnay, L.K. Varga; Annealed FINEMET ribbons: Structure and magnetic anisotropy as revealed by the high velocity resolution Mössbauer spectroscopy; 2016; Materials Chemistry and Physics; 180; 66; 74; <https://doi.org/10.1016/j.matchemphys.2016.05.032>
2. Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of Fe₇₂Si₁₅B₈V₄Cu₁ Alloy; 2017; Metallurgical and Materials Transactions A; 48; 9; 4393; 4402; <https://doi.org/10.1007/s11661-017-4182-y>
3. C Xie, W Li, J Luo, Y Yang, S Li ; Development of magnetic and ductile Fe-Co-Zr-Mo-Cr glassy alloy without metalloid elements; 2018; Journal of Non-Crystalline Solids; 482; 213; 216; <https://doi.org/10.1016/j.jnoncrysol.2017.12.042>
4. Chunxiao Xie, Wen Li, Donghai Zheng, Jianying Luo, Xiaochang Cao, Shouyan Zhong, Sheng Li; Non-isothermal Crystallization Kinetics and Magnetic Properties of FeCoNiCrZr Metallic Glass; 2018; Journal of Superconductivity and Novel Magnetism; 31; 9; 2977; 2982; <https://doi.org/10.1007/s10948-018-4566-2>
5. Xie, Chunxiao, Wen Li, Fanghua Shen, Yu Liu, Li Xie, Zilong Liao, and ShouYan Zhong; Plastic deformation behavior of a novel Fe-based metallic glass under different mechanical testing techniques.; 2018; Journal of Non-Crystalline Solids; 499; 58; 61; <https://doi.org/10.1016/j.jnoncrysol.2018.07.013>
6. EB Yekta, M Adineh, H Nasiri, H Shalchian; A new soft magnetic Fe₇₅Ta₅C₂₀ amorphous alloy: Modelling and Kinetics approach; 2019; Journal of Alloys and Compounds; 773; 537; 547; <https://doi.org/10.1016/j.jallcom.2018.09.188>

- (14) 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'

Цитати:

1. R. Svoboda; Tangential area-proportional baseline interpolation for complex-process DSC data—Yes or no?; 2017; *Thermochimica Acta*; 658; ; 55; 62; <https://doi.org/10.1016/j.tca.2017.10.011>
2. Daniela Brandová, Roman Svoboda, Zuzana Olmrová Zmrhalová, Jozef Chovanec, Roman Bulánek, Jana Romanová; Crystallization kinetics of glassy materials: the ultimate kinetic complexity?; 2018; *Journal of Thermal Analysis and Calorimetry*; 134; 1; 825; 834; <https://doi.org/10.1007/s10973-018-7078-1>
3. Ibanphylla Syiemlieh, Arvind Kumar, Sunshine D. Kurbah, Ram A. Lal; Synthesis and characterization of $[Mn(phen)(H_2O)_4] \cdot SO_4 \cdot 2H_2O$; 2018; *Journal of Molecular Structure*; 1166; 102; 109; <https://doi.org/10.1016/j.molstruc.2018.04.027>
4. R. Svoboda; Importance of proper baseline identification for the subsequent kinetic analysis of derivative kinetic data: Part 3; 2019; *Journal of Thermal Analysis and Calorimetry*; 136; 3; 1307; 1314; <https://doi.org/10.1007/s10973-018-7738-1>
5. R. Svoboda; Kinetic analysis of particle-size based complex kinetic processes; 2020; *Journal of Non-Crystalline Solids*; 533; 119903; <https://doi.org/10.1016/j.jnoncrysol.2020.119903>
6. Svoboda, R., Maqueda, L.P., Podzemná, V., Perejon, A. and Svoboda, O; Influence of DSC thermal lag on evaluation of crystallization kinetics; 2020; *Journal of Non-Crystalline Solids*; 528; 119738; <https://doi.org/10.1016/j.jnoncrysol.2019.119738>

- (15) Peles A P, Aleksic O S, Pavlovic V P, Djokovic V A, Dojcilovic R J, Nikolic Z, Marinkovic F S, Mitric M N, Blagojevic V A, Vlahovic B, Pavlovic V B; Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films; *Physica Scripta, Volume 93, Number 10 (M22), 105801 (2018)*

Цитати:

1. Kornienko, V.S. , Tsipotan, A.S. , Aleksandrovsy, A.S.; Brownian dynamics of the self-assembly of complex nanostructures in the field of quasi-resonant laser radiation; 2019; *Photonics and Nanostructures - Fundamentals and Applications*; 35; 100707; <https://doi.org/10.1016/j.photonics.2019.100707>
2. Mondal, S., Paul, T., Maiti, S., Das, B.K. and Chattopadhyay, K.K.; Human motion interactive mechanical energy harvester based on all inorganic perovskite-PVDF; 2020; *Nano energy*; 74; 104870; <https://doi.org/10.1016/j.nanoen.2020.104870>
3. Sahoo, R., Mishra, S., Ramadoss, A., Mohanty, S., Mahapatra, S. and Nayak, S.K.; Temperature-dependent dielectric properties of metal-doped ZnO nanofiller reinforced PVDF nanocomposites.; 2020; *Materials Research Bulletin*; 132; 111005; <https://doi.org/10.1016/j.materresbull.2020.111005>
4. Popa, A., Toloman, D., Stan, M., Stefan, M., Radu, T., Vlad, G., Ulinici, S., Baisan, G., Macavei, S., Barbu-Tudoran, L. and Pana, O.; Tailoring the RhB removal rate by modifying the PVDF membrane surface through ZnO particles deposition.; 2020; *Journal of Inorganic and Organometallic Polymers and Materials*; <https://doi.org/10.1007/s10904-020-01795-0>

5. Bianca Pedroso Silva Santos, Jose Jonathan Rubio Arias, Fábio Elias Jorge, Raphael Értola Pereira de Deus Santos, Beatriz da Silva Fernandes, Ludmila da Silva Candido, Augusto Cesar de Carvalho Peres, Erica Gervasoni Chaves, Maria de Fátima Vieira Marques; Preparation, characterization and permeability evaluation of poly(vinylidene fluoride) composites with ZnO particles for flexible pipelines; 2021; Polymer Testing; 94; 107064; <https://doi.org/10.1016/j.polymertesting.2021.107064>
6. Pavlović, V.P., Tošić, D., Dojčilović, R., Dudić, D., Dramićanin, M.D., Medić, M., McPherson, M.M., Pavlović, V.B., Vlahović, B. and Djoković, V.; PVDF-HFP/NKBT Composite Dielectrics: Perovskite Particles Induce the Appearance of an Additional Dielectric Relaxation Process in Ferroelectric Polymer Matrix; 2021; Polymer Testing; 96; 107093; <https://doi.org/10.1016/j.polymertesting.2021.107093>

(16) *D. Kosanović, V. A. Blagojević, A. Maričić, S. Aleksić, V. P. Pavlović, V. B. Pavlović, B. Vlahović, "Influence of mechanical activation on functional properties of barium hexaferrite ceramics", Ceramics International, 44, 6 (2018) 6666-6672*

Цитати:

1. Sachin Kumar Godara, Harsimranjeet Singh, Parambir Singh Malhi, Varinder Kaur, S.B.Narang, Ashwani Kumar Sood, Gopala Ram Bhadu, Jayesh C.Chaudhari; Synthesis and Characterization of Zn²⁺-Zr⁴⁺ Substituted Barium Hexaferrite by Sol Gel Auto Combustion Method; 2019; Materials Today; 17; 1; 371; 379; <https://doi.org/10.1016/j.matpr.2019.06.444>
2. Kumar Godara, S, Kaur, V, Narang, S.B, Singh, M, Bhadu, G.R, Chaudhari, J.C, Mudsainiyan, R.K, Sood, A.K; Tunable M-type nano barium hexaferrite material by Zn²⁺/Zr⁴⁺ co-doping.; 2019; Materials Research Express; 6; 11; 116111; <https://iopscience.iop.org/article/10.1088/2053-1591/ab4894/meta>
3. S Kumar, R Laha, M Kar; Raman Characterization of polycrystalline barium hexaferrite nanoparticles: SERS of nanoparticles in powder form; 2020; Physica B: Condensed Matter; 579; 411833; <https://doi.org/10.1016/j.physb.2019.411833>
4. Darwish MA, Kostishyn VG, Korovushkin VV, Isaev IM, Morchenko AT, Panina L, Trukhanov SV, Astapovich KA, Turchenko VA, Trukhanov AV; Tuning the magnetic order in Sc-substituted barium hexaferrites; 2019; IEEE Magnetics Letters; 10; 2509805; <https://doi.org/10.1109/LMAG.2019.2955632>
5. Shahbaz M, Sadiq I, Butt MM, Javaid AB, Idrees M, Hussain S, Sadiq F, Riaz S, Naseem S, Khan HM.; Peculiar magnetic behavior and structural, electrical, dielectric properties of substituted R-type hexagonal ferrites; 2020; Journal of Magnetism and Magnetic Materials; 499; 166309; <https://doi.org/10.1016/j.jmmm.2019.166309>
6. Trukhanov, A.V., Astapovich, K.A., Almessiere, M., Turchenko, V.A., Trukhanova, E.L., Korovushkin, V.V., Amirov, A.A., Darwish, M.A., Karpinsky, D.V., Vinnik, D.A. and Klygach, D.S.; Peculiarities of the magnetic structure and microwave properties in Ba(Fe_{1-x}Sc_x)₁₂O₁₉ (x<0.1) hexaferrites; 2020; Journal of Alloys and Compounds; 822; 153575; <https://doi.org/10.1016/j.jallcom.2019.153575>

(17) V. A. Blagojević, N. Obradović, N. Cvjetičanin, D. M. Minić, Influence of dimensionality on phase transition in VO₂ nanocrystals, Sci. Sintering, 45(3) (2013) 305-311

Цитати:

1. K Lonhus, L Budianska, L Lisetski; Meaning of activation energy in phospholipid multibilayers phase transitions; 2017; Chemistry and Physics of Lipids; 206; 53; 59; <https://doi.org/10.1016/j.chemphyslip.2017.04.011>
2. H Zhang, H Yu, Z Chen, H Luo, Y Gao; Thermal kinetic analysis of metal–insulator transition mechanism in W-doped VO₂; 2016; Journal of Thermal Analysis and Calorimetry; 126; 2; 949; 957; <https://doi.org/10.1007/s10973-016-5579-3>
3. Nandi, S.K., Das, S.K., Estherby, C., Gentle, A. and Elliman, R.G.; Understanding modes of negative differential resistance in amorphous and polycrystalline vanadium oxides; 2020; Journal of Applied Physics; 128; 24; 244103; <https://doi.org/10.1063/5.0027875>
4. Calvi, L., Leufkens, L., Yeung, C.P., Habets, R., Mann, D., Elen, K., Hardy, A., Van Bael, M.K. and Buskens, P; A comparative study on the switching kinetics of W/VO₂ powders and VO₂ coatings and their implications for thermochromic glazing; 2021; Solar Energy Materials and Solar Cells; 224; 110977; <https://doi.org/10.1016/j.solmat.2021.110977>
5. Verma, D., Uniyal, P., Singh, D., Verma, S.K., Kumar, N. and Balakrishnan, V; Dynamic mechanical response of VO₂-UHMWPE polymer composite across the phase transition.; 2021; Materials Today Communications; 6; 102003; <https://doi.org/10.1016/j.mtcomm.2020.102003>

(18) B. Rašković, S. Vatić, B. Anđelković, V. Blagojević, N. Polović, Optimizing storage conditions to prevent cold denaturation of trypsin for sequencing and to prolong its shelf life, Biochemical Engineering Journal, Part A, 150 (2016) 168–176

Цитати:

1. BG Janković, NĐ Polović; The protein folding problem; 2017; Biologia Serbica; 39; 1; 105; 111; https://ojs.pmf.uns.ac.rs/index.php/dbe_serbica/article/view/6530
2. J Milošević, B Janković, R Prodanović, N Polović; Comparative stability of ficin and papain in acidic conditions and the presence of ethanol; 2019; Amino acids; 51; 829; 838; <https://doi.org/10.1007/s00726-019-02724-3>
3. J Milošević, J Petrić, B Jovčić, B Janković, N Polović; Exploring the potential of infrared spectroscopy in qualitative and quantitative monitoring of ovalbumin amyloid fibrillation; 2020; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy; 229; 117882; <https://doi.org/10.1016/j.saa.2019.117882>
4. Marković, S., Milošević, J., Đurić, M., Lolić, A. and Polović, N.; One-step purification and freeze stability of papain at acidic pH values; 2021; Archives of Biological Sciences; 73; <https://doi.org/10.2298/ABS201217001M>
5. J Milošević, R Prodanović, N Polović; On the Protein Fibrillation Pathway: Oligomer Intermediates Detection Using ATR-FTIR Spectroscopy; 2021; Molecules; 26; 4; 970; <https://doi.org/10.3390/molecules26040970>

(19) A. Rašović, V. Blagojević, M. Baranac Stojanović, E. Kleinpeter, R. Marković, and D. M. Minić, Quantification of the push–pull effect in 2-alkylidene-4-oxothiazolidines by using NMR spectral data and barriers to rotation around the C=C bond, New. J. Chem 40 (2016) 6364-6373

Цитати:

1. Mariia B. Litvinchuk, Anton V. Bentya, Nataliia Yu. Slyvka, Mykhailo V. Vovk; Synthesis and functionalization of 2-alkylidene-5-(bromomethyl)-2,3-dihydro-1,3-thiazole derivatives; 2018; Chemistry of Heterocyclic Compounds; 54; 5; 559; 567; <https://doi.org/10.1007/s10593-018-2304-0>
2. Tishyasoumya Bera, Bandana Singh, Trevor A. Hamlin, Subash C. Sahoo, Jaideep Saha; One-Step Assembly of Functionalized Morpholinones and 1,4-Oxazepane-3-ones via [3+3]- and [3+4]-Annulation of Aza-oxyallyl Cation and Amphoteric Compounds; 2019; Journal of Organic Chemistry; 84; 23; 15255; 15266; <https://doi.org/10.1021/acs.joc.9b02269>
3. KL Obydenov, TV Glukhareva; Synthesis and properties of bi-and tricyclic 1, 3-thiazoline/thiazolidine assemblies linked by an exocyclic C= C double bond; 2019; Chemistry of Heterocyclic Compounds; <https://doi.org/10.1007/s10593-019-02571-w>
4. A Afonin, D Rusinska-Roszak; Molecular Tailoring Approach–New Guide to Quantify the Energy of Push-Pull Effect: Case Study on the (E) 3-(1H-pyrrol-2-yl) prop-2-enones; 2020; Physical Chemistry Chemical Physics; <https://doi.org/10.1039/D0CP04432F>
5. MB Litvinchuk, AV Bentya, NY Slyvka, MV Vovk; 2-Ylidene-1, 3-thiazolidines and their nonhydrogenated analogs: methods of synthesis and chemical properties; 2020; Chemistry of Heterocyclic Compounds; 56; 9; 1130; 1145; <https://doi.org/10.1007/s10593-020-02787-1>

(20) *D. A. Kosanović, V. A. Blagojević, N. J. Labus, N. B. Tadić, V. B. Pavlović, Momčilo M. Ristić, Effect of Chemical Composition on Microstructural Properties and Sintering Kinetics of (Ba,Sr)TiO₃ Powders, Sci. Sint. Vol 50 No 1 (2018) 29-38*

Цитати:

1. Xiao-Fei Zhang, Xiao-Bin Xie, Qing Xu, Min Chen, Dong-Chu Chen, Duan-Ping Huang, Feng Zhang; Enhanced sintering and nonlinear dielectric properties of Ba_{0.6}Sr_{0.4}TiO₃ ceramics with a small amount of lithium additive; 2019; Science of Sintering; 51; 3; 295; 307; <http://147.91.97.5/index.php/scisint/article/view/419>
2. Obradović, Nina, William G. Fahrenheit, Suzana Filipović, Cole Corlett, Pavle Đorđević, Jelena Rogan, Predrag J. Vulić, Vladimir Buljak, and Vladimir B. Pavlović; Characterization of MgAl₂O₄ sintered ceramics; 2019; Science of Sintering; 51; 4; 363; 376; <http://aspace.agrif.bg.ac.rs/handle/123456789/5150>
3. Stojanović, J.N., Smiljanić, S.V., Grujić, S.R., Vulić, P.J., Matijašević, S.D., Nikolić, J.D. and Savić, V; Structure and microstructure characterization of the La₂SrB₁₀O₁₉ glass-ceramics; 2019; Science of Sintering; 51; 4; 389; 399; <http://147.91.97.5/index.php/scisint/article/view/464>
4. Zelaya-Angel, O., Melendez-Lira, M., Reséndiz-Muñoz, J., Fernández-Muñoz, J.L. and Caballero-Briones, F; Local hardening of Raman phonons in Ba_xSr_{1-x}TiO₃ thin films deposited by rf sputtering; 2020; Materials Research Express; 7; 4; 46402; <https://doi.org/10.1088/2053-1591/ab81bd>
5. Filipović, S., Anđelković, L., Jeremić, D., Vulić, P., Nikolić, A.S., Marković, S., Paunović, V., Lević, S. and Pavlović, V.; Structure and Properties of Nanocrystalline Tetragonal BaTiO₃ Prepared by Combustion Solid State Synthesis.; 2020; Science of Sintering; 52; 3; 1; 12; <https://dais.sanu.ac.rs/handle/123456789/9449>

(21) Minić, D.M., Vasić, M., Minić, D.M., Blagojević, V.A. Mechanism of thermal stabilization of Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} amorphous alloy, (2013) *Thermochimica Acta*, 562, pp. 35-41.

Цитати:

1. L Tian, H Chen, Z Chen, X Wang, S Zhang; 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; 45; 53; <https://doi.org/10.1007/s10973-013-3316-8>
2. MA Alvi; Study of phase separation in amorphous Se–Te–Bi material; 2014; *Superlattices and Microstructures*; 73; 1; 11; <https://doi.org/10.1016/j.spmi.2014.05.004>
3. 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; 1514; 1519; https://en.cnki.com.cn/Article_en/CJFDTotal-JSRC201701031.htm
4. David Eitan Barlaz and Edmund G. Seebauer; Solid phase epitaxial regrowth of (001) anatase titanium dioxide; 2016; *Journal of Vacuum Science & Technology A*; 34; 020603; <https://doi.org/10.1116/1.4941446>

(22) Minić, D.M., Blagojević, V., Minić, D.G., Gavrilović, A., Rafailović, L. Influence of thermally induced structural transformations on hardness in Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} amorphous alloy, (2011) *Journal of Alloys and Compounds*, 509 (33), pp. 8350-8355.

Цитати:

1. Duman, N., Akdeniz, M.V., Mekhrabov, A.O.; Magnetic monitoring approach to nanocrystallization kinetics in Fe-based bulk amorphous alloy; 2013; *Intermetallics*; 43; 152; 161; <https://doi.org/10.1016/j.intermet.2013.07.021>
2. S.L.Wang, Z.Y.Zhang, Y.B.Gong, G.M.Nie; Microstructures and corrosion resistance of Fe-based amorphous/nanocrystalline coating fabricated by laser cladding; 2017; *Journal of Alloys and Compounds*; 728; 1116; 1123; <https://doi.org/10.1016/j.jallcom.2017.08.251>
3. C.Dong, A.Inoue, X.H.Wang, F.L.Kong, E.N.Zanaeva, F.Wang, A.I.Bazlov, S.L.Zhu, Q.Li; Soft magnetic properties of Fe₈₂₋₈₃B₁₄₋₁₅Si₂C_{0.5-1} amorphous alloys with high saturation magnetization above 1.7 T; 2018; *Journal of Non-Crystalline Solids*; 500; 173; 180; <https://doi.org/10.1016/j.jnoncrysol.2018.07.072>
4. F Xie, Q Chen, J Gao, Y Li; Laser 3D Printing of Fe-Based Bulk Metallic Glass: Microstructure Evolution and Crack Propagation; 2019; *Journal of Materials Engineering and Performance*; 28; 6; 3478; 3486; <https://doi.org/10.1007/s11665-019-04103-1>

(23) 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

Цитати:

1. BV Neamțu, TF Marinca, I Chicinaș, O Isnard; Structural, magnetic and thermal characterisation of amorphous FINEMET powders prepared by wet mechanical alloying; 2015; Journal of Alloys and Compounds; 626; 49; 55; <https://doi.org/10.1016/j.jallcom.2014.11.158>
2. M.I. Oshtrakh, Z. Klencsár, V.A. Semionkin, E. Kuzmann, Z. Homonnay, L.K. Varga; Annealed FINEMET ribbons: Structure and magnetic anisotropy as revealed by the high velocity resolution Mössbauer spectroscopy; 2016; Materials Chemistry and Physics; 180; 66; 74; <https://doi.org/10.1016/j.matchemphys.2016.05.032>
3. Shun-Xing Liang, Zhe Jia, Yu-Jing Liu, Wenchang Zhang, Weimin Wang, Jian Lu, Lai-Chang Zhang; Compelling Rejuvenated Catalytic Performance in Metallic Glasses; 2018; Advanced Materials; <https://doi.org/10.1002/adma.201802764>
4. Guo, L. Y., X. Wang, K. C. Shen, K. B. Kim, S. Lan, X. L. Wang, and W. M. Wang; Structure modification and recovery of amorphous Fe₇₃. 5Si₁₃. 5B₉Nb₃Cu₁ magnetic ribbons after autoclave treatment: SAXS and Thermodynamic analysis; 2019; Journal of Materials Science & Technology; 35; 1; 118; 126; <https://doi.org/10.1016/j.jmst.2018.09.010>

(24) 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

Цитати:

1. Alvarez KL, Martín JM, Burgos N, Ipatov M, Domínguez L, González J; Structural and magnetic properties of amorphous and nanocrystalline Fe–Si–B–P–Nb–Cu alloys produced by gas atomization; 2019; Journal of Alloys and Compounds; 810; 151754; <https://doi.org/10.1016/j.jallcom.2019.151754>
2. K Wang, S Dong, Y Huang, Y Qiu; Magnetic and thermal properties of amorphous TbFeCo alloy films; 2017; Journal of Magnetism and Magnetic Materials; 434; 169; 173; <https://doi.org/10.1016/j.jmmm.2017.03.064>
3. K Wang, Z Xu, Y Huang, Y Qiu, S Dong; Magnetic, thermal, electrical properties and crystallization kinetics of Co₆₀Fe₂₀B₂₀ alloy films; 2016; Science China Materials; 59; 639; 647; <https://doi.org/10.1007/s40843-016-5052-1>
4. BV Neamțu, TF Marinca, I Chicinaș, O Isnard; Structural, magnetic and thermal characterisation of amorphous FINEMET powders prepared by wet mechanical alloying; 2015; Journal of Alloys and Compounds; 626; 49; 55; <https://doi.org/10.1016/j.jallcom.2014.11.158>

(25) 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-benzoyloxycarbonylglycinato ligand, Monatshefte für Chemie - Chemical Monthly, 143 (2012) 1133-1139

Цитати:

1. Shi-Chao Qi, Jun-ichiro Hayashi and Lu Zhang; Recent application of calculations of metal complexes based on density functional theory; 2016; RSC Advances; 6; 77375; 77395; <https://doi.org/10.1039/C6RA16168E>

- 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; 255; 264; <https://doi.org/10.1016/j.ijadhadh.2014.02.005>
- Sbirrazzuoli, N.; Determination of pre-exponential factors and of the mathematical functions $f(\hat{I}\pm)$ or $G(\hat{I}\pm)$ that describe the reaction mechanism in a model-free way; 2013; Thermochemica Acta; 564; 59; 69; <https://doi.org/10.1016/j.tca.2013.04.015>

(26) *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*

Цитати:

- Y Song, Y Yang; Analysis of Magnetic Take-up Roll Employed in Amorphous Alloy Ribbon Production Line; 2015; Materials and Manufacturing Processes; 30; 5; 631; 636; <https://doi.org/10.1080/10426914.2014.973577>
- Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of Fe₇₂Si₁₅B₈V₄Cu₁ Alloy; 2017; Metallurgical and Materials Transactions A; 48; 9; 4393; 4402; <https://doi.org/10.1007/s11661-017-4182-y>
- Andrew K. Stemshorn, Yogesh K. Vohra, and Spencer J. Smith; High pressure high temperature devitrification of Fe₇₈B₁₃Si₉ metallic glass with simultaneous x-ray structural characterization; 2018; Journal of Applied Physics; 123; 21; 215901; <https://doi.org/10.1063/1.5024941>

(27) *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, Thermochemica Acta 592 (2014) 23 – 30*

Цитати:

- AA Soliman, AM Sayed, OI Alajrawy, W Linert; New palladium (II) formamidine complexes: preparation, characterization, theoretical calculations and cytotoxic activity; 2017; Journal of Molecular Structure; 1137; 453; 460; <https://doi.org/10.1016/j.molstruc.2017.02.062>
- M. G. Sumdani, M. R. Islam, A. N. A. Yahaya; Effects of variation of steric repulsion between multiwall carbon nanotubes and anionic surfactant in epoxy nanocomposites; 2018; Journal of Applied Polymer Science; <https://doi.org/10.1002/app.46883>
- MG Sumdani, MR Islam, ANA Yahaya; The effects of anionic surfactant on the mechanical, thermal, structure and morphological properties of epoxy–MWCNT composites; 2019; Polymer Bulletin; 76; 11; 5919; 5938; <https://doi.org/10.1007/s00289-019-02695-1>

- (28) P. Ristić, V. Blagojević, G. Janjić, M. Rodić, P. Vulić, M. Donnard, M. Gulea, A. Chylewska, M. Makowski, T. Todorović, N. Filipović, Influence of C–H/X (X = S, Cl, N, Pt/Pd) Interactions on the Molecular and Crystal Structures of Pt(II) and Pd(II) Complexes with Thiomorpholine-4-carbonitrile: Crystallographic, Thermal, and DFT Study, *Crystal Growth & Design* 20 (5), (2020), 3018-3033

Цитати:

1. Leng X, Li W, Liu X, Wang L.; Direct observation of meta-selective CH activation on Pd (1 1 1) by scanning tunneling microscopy.; 2020; Chemical Physics.; 539; 110981; <https://doi.org/10.1016/j.chemphys.2020.110981>
2. Reddy JP.; Crystal structure and Hirshfeld surface analysis of dichlorido (methanol-κO) bis (2-methylpyridine-κN) copper (II).; 2020; Acta Crystallographica Section E: Crystallographic Communications.; 76; 11; 1771; 1774; <https://scripts.iucr.org/cgi-bin/paper?yk2140>
3. Ristić P, Rodić M, Filipović N, Mitić D, Anđelković K, Todorović T.; Structural study of Pt (II) and Pd (II) complexes with quinoline-2-carboxaldehyde thiosemicarbazone.; 2020; Journal of the Serbian Chemical Society; 85; 5; <https://shd-pub.org.rs/index.php/JSCS/article/download/10076/1232>

- (29) J. D. Zdravković, D. Poletić, J. Rogan, N. N. Begović, V. A. Blagojević, M. M. Vasić, D.M., Minić, Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(μ 2-pyromellitato)dinickel(II) tetrahydrate, *Journal of Thermal Analysis and Calorimetry*, 123(2), 1715-1726, 2016

Цитати:

1. R Svoboda; Crystallization kinetics in Se-Te glassy system– effect of long-term material degradation; 2016; Thermochemica Acta; 639; ; 108; 119; <https://doi.org/10.1016/j.tca.2016.07.014>
2. Radovanović L, Zdravković JD, Simović B, Radovanović Ž, Mihajlovski K, Dramićanin MD, Rogan J.; Zinc oxide nanoparticles prepared by thermal decomposition of zinc benzenepolycarboxylato precursors: photoluminescent, photocatalytic and antimicrobial properties.; 2020; Journal of the Serbian Chemical Society; 85; 5; ; <https://doi.org/10.2298/JSC200629048R>

- (30) M. Šumar-Ristović, D. M. Minić, V. Blagojević, K. Anđelković, 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

Цитати:

1. Sanja S. Krstić, Milan M. Kragović, Vladimir M. Dodevski, Aleksandar D. Marinković, Branka V. Kaluđerović, Gregor Žerjav, Albin Pintar, Maja C. Pagnacco, Marija D. Stojmenović; Influence of Temperature and Different Hydroxides on Properties of Activated Carbon Prepared From Saccharose. Characterization, Thermal Degradation Kinetic and Dyes Removal From Water Solutions; 2018; Science of Sintering; 50; 2; 255; 273; <http://147.91.97.5/index.php/scisint/article/view/255>

- Mariam Khachani, Adnane El Hamidi, Mohammed Kacimi, Mohammed Halim, Said Arsalane; Kinetic approach of multi-step thermal decomposition processes of iron (III) phosphate dihydrate $\text{FePO}_4 \cdot 2\text{H}_2\text{O}$; 2015; *Thermochimica Acta*; 610; 29; 36; <https://doi.org/10.1016/j.tca.2015.04.020>

(31) 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*

Цитати:

- Milica M. Vasić, Radoslav Surla, Dušan M. Minić, Ljubica Radović, Nebojša Mitrović, Aleksa Maričić, Dragica M. Minić; Thermally Induced Microstructural Transformations of $\text{Fe}_{72}\text{Si}_{15}\text{B}_8\text{V}_4\text{Cu}_1$ Alloy; 2017; *Metallurgical and Materials Transactions A*; 48; 9; 4393; 4402; <https://doi.org/10.1007/s11661-017-4182-y>
- Leonid A. Bulavin, Volodymyr Karbivskyy, Viktor Artemyuk, Love Karbivska; Relaxation and Vitrification Processes of Disordered Iron Based Systems; 2018; *Modern Problems of Molecular Physics. Springer Proceedings in Physics*, Springer, Cham; 197; 331; 372; https://doi.org/10.1007/978-3-319-61109-9_14

(32) N. N. Begovic, M. M. Vasic, V. A. Blagojevic, N. R. Filipovic, A. D. Marinkovic, A. Malesevic, D. M. Minic, *Synthesis and thermal stability of cis-dichloro[(E)-ethyl-2-(2-((8-hydroxyquinolin-2-yl)methylene)hidrazinyl)acetate-j₂N]-palladium(II) complex, Journal of Thermal Analysis and Calorimetry 130 (2017) 701–711*

Цитати:

- J Magyari, BB Holló, MV Rodić, IM Szilágyi, KM Szécsényi; Synthesis and characterization of diazine-ring containing hydrazones and their Zn(II) complexes; 2018; *Journal of Thermal Analysis and Calorimetry*; 133; 1; 443; 452; <https://doi.org/10.1007/s10973-017-6908-x>
- Galwey, Andrew K; Thermal reactions involving solids: a personal view of selected features of decompositions, thermal analysis and heterogeneous catalysis; 2020; *Journal of Thermal Analysis and Calorimetry*; <https://doi.org/10.1007/s10973-020-09461-w>

(33) N. Obradović, W. G Fahrenholtz, S. Filipović, S. Marković, V. Blagojević, S. Lević, S. Savić, A. Đorđević, V. Pavlović, *Formation kinetics and cation inversion in mechanically activated MgAl₂O₄ spinel ceramics, Journal of Thermal Analysis and Calorimetry 140 (1), (2020) 95-107*

Цитати:

- Obradović, Nina, William G. Fahrenholtz, Suzana Filipović, Cole Corlett, Pavle Đorđević, Jelena Rogan, Predrag J. Vulić, Vladimir Buljak, and Vladimir B. Pavlović; Characterization of MgAl_2O_4 sintered ceramics; 2019; *Science of Sintering*; 51; 4; 363; 376; <http://aspace.agrif.bg.ac.rs/handle/123456789/5150>
- Nikolaev, E.V., Lysenko, E.N., Surzhikov, A.P., Ghyngazov, S.A., Bordunov, S.V. and Nikolaeva, S.A.; Dilatometric and kinetic analysis of sintering Li–Zn ferrite ceramics from

milled reagents.; 2020; Journal of Thermal Analysis and Calorimetry; 142; 5; 1783; 1789;
<https://doi.org/10.1007/s10973-020-10326-5>

(34) Ristić, P.; Todorović, T. R.; Blagojević, V.; Klisurić, O. R.; Marjanović, I.; Holló, B. B.; Vulić, P.; Gulea, M.; Donnard, M.; Monge, M.; Rodríguez-Castillo, M.; López-de-Luzuriaga, J. M.; Filipović, N. R., 1D and 2D Silver-Based Coordination Polymers with Thiomorpholine-4-carbonitrile and Aromatic Polyoxoacids as Coligands: Structure, Photocatalysis, Photoluminescence, and TD-DFT Study, Crystal Growth & Design 20 (7), (2020) 4461-4478

Цитати:

1. Liu YF, Hu JH, Lee WT, Yang XK, Chen JD.; Structural Transformations of Cobalt (II) Coordination Polymers Constructed from N, N'-Di-3-pyridyladipoamide and Tetracarboxylic Acids: Disentanglement upon Water Coordination.; 2020; Crystal Growth & Design; 20; 11; 7211; 7218; <https://doi.org/10.1021/acs.cgd.0c00878>
2. Hou, H., Sun, Y., Meng, X. and Zhang, W; Tuning photoelectric response of pyrene-based coordination polymers by optimizing charge transfer.; 2021; Inorganic Chemistry Frontiers; <https://doi.org/10.1039/D1QI00004G>

(35) 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

Цитати:

1. Yu Zhang, Biao Yan, Ying Yang, Yuxin Wang; Non-isothermal nanocrystallization kinetics study on (Fe_{0.8}Ni_{0.15}M_{0.05})₇₈Si₈B₁₄ (M = Nb, Ta, W) amorphous alloys; 2013; Journal of Alloys and Compounds; 574; 556; 559; <https://doi.org/10.1016/j.jallcom.2013.03.119>

(36) 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

Цитати:

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; 27; 31; http://caod.oriprobe.com/articles/42419592/Effect_of_annealing_temperature_on_microstructure_and_soft_magnetic_pr.htm

(37) 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

Цитати:

1. Turgut, Z.; Lucas, M.S. ; Michel, E. ; Semiatin, S.L. ; Horwath, J.C.; High Temperature Properties of Highly Electrical Resistive (Fe_{0.81}Co_{0.19})₈₄Ta₉B₇ Alloy Cast in Air; 2016; Magnetism, IEEE Transactions on; 52; 2; 2000305; <https://doi.org/10.1109/TMAG.2015.2480738>

(38) *N. N. Begović, V. A. Blagojević, S. B. Ostojić, A. M. Radulović, D. Poleti, D. M. Minić, Thermally activated 3D to 2D structural transformation of [Ni-2(en)(2)(H₂O)(6)(pyr)] center dot 4H(2)O flexible coordination polymer, Mat. Chem. Phys 149-150 (2015), 105-112.*

Цитати:

1. N Zhao, P Li, X Mu, C Liu, F Sun, G Zhu; Facile synthesis of an ultra-stable metal-organic framework with excellent acid and base resistance; 2017; Faraday Discussions; 201; 63; 70; <https://doi.org/10.1039/C7FD00017K>

(39) *J. D. Zdravković, D. D. Poleti, J. R. Rogan, V. A. Blagojević, K. Mészáros Szécsényi, D. M. Minić, The influence of alkaline cations on the mechanism and kinetics of dehydration of polymeric phthalatocuprate (II) dihydrates, Journal of Analytical and Applied Pyrolysis, 126 (2017) 323-331*

Цитати:

1. Zdravković, J.D., Radovanović, L., Poleti, D., Rogan, J.R., Vulić, P.J., Radovanović, Ž., Minić, D.M.; Mechanism and degradation kinetics of zinc complex containing isophthalato and 2,2'-dipyridylamine ligands under different atmospheres ; 2018; Solid State Sciences; 80; 123; 131; <https://doi.org/10.1016/j.solidstatesciences.2018.04.013>

(40) *D. M. Minić, V. A. Blagojević, D. M. Minić, A. Gavrilović, L. Rafailović, T. Žak, Influence of microstructure on microhardness of Fe₈₁Si₄B₁₃C₂ amorphous alloy after thermal treatment, Metall. Mater. Trans. A, 42 (2011) 4106-4112*

Цитати:

1. Meng Zhang, Zhenjiang Li, Ting Wang, Shiqi Ding, Guanying Song, Jian Zhao, Alan Meng, Hongyuan Yu, Qingdang Li; Preparation and electromagnetic wave absorption performance of Fe₃Si/SiC@SiO₂ nanocomposites; 2019; Chemical Engineering Journal; 362; 619; 627; <https://doi.org/10.1016/j.cej.2019.01.039>

(41) *N. Obradović, V. Blagojević, N. Đorđević, S. Filipović, D. Kosanović, S. Marković, M. Kachlik, K. Maca, V. Pavlović, Kinetics of thermally activated processes in cordierite-based ceramics, Journal of Thermal Analysis and Calorimetry, 138 (5) (2019) 2989-2998*

Цитати:

1. N.Obradović, W.G.Fahrenheitz, S.Filipović, D.Kosanović, A.Dapčević, A.Đorđević, I.Balać, V.B.Pavlović; The effect of mechanical activation on synthesis and properties of MgAl₂O₄ ceramics; 2019; Ceramics International; 45; 9; 12015; 12021; <https://doi.org/10.1016/j.ceramint.2019.03.095>

(42) Živojinović, J., Pavlović, V.P., Labus, N.J., Blagojević, V.A., Kosanović, D., Pavlović, V.B., Analysis of the initial-stage sintering of mechanically activated SrTiO₃, Sci. Sint. 51 (2) (2019) 199-208

Цитати:

1. Obradović, Nina, William G. Fahrenholtz, Suzana Filipović, Cole Corlett, Pavle Đorđević, Jelena Rogan, Predrag J. Vulić, Vladimir Buljak, and Vladimir B. Pavlović; Characterization of MgAl₂O₄ sintered ceramics; 2019; Science of Sintering; 51; 4; 363; 376; <http://aspace.agrif.bg.ac.rs/handle/123456789/5150>

(43) Vasić, M.M., Minić, D.M., Blagojević, V.A., Žák, T., Pizúrová, N., David, B., Minić, D.M., Thermal stability and mechanism of thermally induced crystallization of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy, Acta Physica Polonica A 128(4) (2015) 657-660

Цитати:

1. R Svoboda, G Luciano; Complex process activation energy evaluated by combined utilization of differential and integral isoconversional methods; 2020; Journal of Non-Crystalline Solids; 535; 120003; <https://doi.org/10.1016/j.jnoncrysol.2020.120003>

Квалитативна оцена научног доприноса

Заједничке публикације са докторантима из њихових теза:

1. Peles A P, Aleksic O S, Pavlovic V P, Djokovic V A, Dojcilovic R J, Nikolic Z, Marinkovic F S, Mitric M N, Blagojevic V A, Vlahovic B, Pavlovic V B; Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films; Physica Scripta, Volume 93, Number 10 (M22), 105801 (2018)
<https://doi.org/10.1088/1402-4896/aad749>
2. J. Živojinović, V. P. Pavlović, D. Kosanović, S. Marković, J. Krstić, V. A. Blagojević, V. B. Pavlović, "The influence of mechanical activation on structural evolution of nanocrystalline SrTiO₃ powders", Journal of Alloys and Compounds, 695 (2017) 863-870,
<http://dx.doi.org/10.1016/j.jallcom.2016.10.159>,
3. J. D. Zdravković, D. D. Poleti, J. R. Rogan, V. A. Blagojević, K. Mészáros Szécsényi, D. M. Minić, The influence of alkaline cations on the mechanism and kinetics of dehydration of polymeric phthalatocuprate (II) dihydrates, Journal of Analytical and Applied Pyrolysis, 126 (2017) 323-331, <https://doi.org/10.1016/j.jaap.2017.05.014>,
4. J. D. Zdravković, D. Poleti, J. Rogan, N. N. Begović, V. A. Blagojević, M. M. Vasić, D.M., Minić, Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(μ 2-pyromellitato)dinickel(II) tetrahydrate, Journal of Thermal Analysis and Calorimetry, 123(2) (2016) 1715-1726 <http://dx.doi.org/10.1007/s10973-015-5007-0>
5. Vasić, M.M., Minić, D.M., Blagojević, V.A., Žák, T., Pizúrová, N., David, B., Minić, D.M., Thermal stability and mechanism of thermally induced crystallization of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy, Acta Physica Polonica A 128(4) (2015) 657-660,
<https://dais.sanu.ac.rs/handle/123456789/3518>
6. M.M. Vasić, P. Roupcová, N. Pizúrová, S. Stevanović, V.A. Blagojević, T., Žák, D.M. Minić, Thermally Induced Structural Transformations of Fe₄₀Ni₄₀P₁₄B₆ Amorphous Alloy, Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 47(1), 260-267, 2016, <http://dx.doi.org/10.1007/s11661-015-3226-4>

Организација међународних конференција:

Advanced Ceramics and Applications IV – 2015.

(http://www.serbianceramicsociety.rs/act_aca2015.htm)

Advanced Ceramics and Applications VI – 2017. (<http://www.serbianceramicsociety.rs/doc/aca01-10/aca6/ACA-VI-Program-and-Book-of-Abstracts.pdf>)

Advanced Ceramics and Applications VII – 2018 (<http://www.serbianceramicsociety.rs/doc/aca01-10/aca7/ACA-VII-Book-of-Abstracts.pdf>)



Completed Reviewer Assignments for Vladimir Blagojevic, Ph.D.

Page: 1 of 2 (34 total assignments)

1 2 >> >|

Display 25 results per page.

Action	My Reviewer Number	Manuscript Number	Article Type	Article Title	Status Date	Current Status	Date Reviewer Invited	Date Reviewer Agreed	Date Review Due	Date Review Submitted	Days Taken	Editor's Name	Corr. Author
Action Links	3	MSB-D-20-00668R1	Research paper	Enhanced Fluorescence of Zn-doped Carbon Quantum Dots Using Zinc Citrate Chelate as Precursor for Fluorescent Sensor Applications	11/17/2020	Completed - Accept	10/05/2020	10/08/2020	10/23/2020	10/22/2020	14	Junfeng Li, Ph.D	Junfeng Li, Ph.D
Action Links	3	MSB-D-20-00663	Research paper	Enhanced Fluorescence of Zn-doped Carbon Quantum Dots Using Zinc Citrate Chelate as Precursor for Fluorescent Sensor Applications	11/17/2020	Completed - Accept	08/14/2020	08/21/2020	09/11/2020	09/11/2020	21	Junfeng Li, Ph.D	Junfeng Li, Ph.D
Action Links	4	MSB-D-20-00593R1	Research paper	Rapid Catalytic Degradation of Amoxicillin drug using ZnFe2O4/PcZ Nanohybrids under Microwave Irradiation	08/13/2020	Completed - Accept	07/17/2020	07/18/2020	08/02/2020	08/02/2020	15	ufana riaz, phd	ufana riaz, phd
Action Links	4	MSB-D-20-00593	Research paper	Rapid Catalytic Degradation of Amoxicillin drug using ZnFe2O4/PcZ Nanohybrids under Microwave Irradiation	08/13/2020	Completed - Accept	04/24/2020	04/25/2020	05/16/2020	05/15/2020	20	ufana riaz, phd	ufana riaz, phd
Action Links	1	MSB-D-17-01816R2	Research paper	Tailoring the structural, optical and magnetic properties of BiFeO3 multiferroic nanoparticles by Ba, Cr co-doping	02/15/2019	Completed - Accept	01/14/2019	01/17/2019	02/01/2019	01/31/2019	14	Dibyaranjan Rout, Ph. D.	Dibyaranjan Rout, Ph. D.
Action Links	4	MSB-D-17-01732R3	Research paper	Synthesis, characterization and photocatalytic properties of nanoscale pyrochlore type Bi2Zr2O7	01/19/2019	Completed - Accept	01/08/2019	01/08/2019	01/23/2019	01/13/2019	5	Liyun Cao, Ph.D.	Liyun Cao, Ph.D.
Action Links	1	MSB-D-17-01816R1	Research paper	Tailoring the structural, optical and magnetic properties of BiFeO3 multiferroic nanoparticles by Ba, Cr co-doping	02/15/2019	Completed - Accept	03/30/2018	04/02/2018	04/17/2018	05/10/2018	38	Dibyaranjan Rout, Ph. D.	Dibyaranjan Rout, Ph. D.
Action Links	4	MSB-D-17-01732R1	Research paper	Synthesis, characterization and photocatalytic properties of nanoscale pyrochlore type Bi2Zr2O7	01/19/2019	Completed - Accept	12/17/2017	12/17/2017	01/07/2018	01/06/2018	20	Liyun Cao, Ph.D.	Liyun Cao, Ph.D.
Action Links	4	MSB-D-17-01489R1	Research paper	Novel anti fouling mixed matrix CeO2/Ce7O12 nanofiltration membranes for heavy metal uptake	11/20/2017	Completed - Reject	10/23/2017	10/23/2017	11/13/2017	11/13/2017	21	Tarek S. Jamil, PhD	Tarek S. Jamil, PhD
Action Links	5	MSB-D-17-01183R2	Research paper	Photocatalytic activity of ZnO coated magnetic crosslinked chitosan/ polyvinyl alcohol microspheres.	11/01/2017	Completed - Accept	09/27/2017	09/27/2017	10/12/2017	10/10/2017	13	Nourelhoda Abbas Abdelwahab	Nourelhoda Abbas Abdelwahab
Action Links	1	MSB-D-17-01174R1	Research paper	Application of synthesized nano-hydroxyapatite membrane for water desalination	09/12/2017	Completed - Reject	08/12/2017	08/14/2017	09/04/2017	09/04/2017	21	haram aboalimaged, Ph.D	haram aboalimaged, Ph.D
Action Links	5	MSB-D-17-01183R1	Research paper	Photocatalytic activity of ZnO coated magnetic crosslinked chitosan/ polyvinyl alcohol microspheres.	11/01/2017	Completed - Accept	08/17/2017	08/21/2017	09/11/2017	09/04/2017	14	Nourelhoda Abbas Abdelwahab	Nourelhoda Abbas Abdelwahab
Action Links	1	MSB-D-17-00636R3	Research paper	Influence of nanoparticle size on ethanol gas sensing performance of mesoporous α -Fe2O3 hollow spheres	07/26/2017	Completed - Accept	07/12/2017	07/12/2017	07/22/2017	07/22/2017	10	Changqing Jin	Changqing Jin
Action Links	1	MSB-D-17-00636R2	Research paper	Influence of nanoparticle size on ethanol gas sensing performance of mesoporous α -Fe2O3 hollow spheres	07/26/2017	Completed - Accept	06/10/2017	06/12/2017	06/27/2017	06/26/2017	14	Changqing Jin	Changqing Jin
Action Links	4	MSB-D-17-00795	Research paper	Light metal decoration on nitrogen/sulfur codoped graphene: An efficient strategy for designing hydrogen storage media	07/02/2017	Completed - Reject	05/18/2017	05/18/2017	06/08/2017	06/08/2017	21	Afsan Mohaheri, Ph.D	Afsan Mohaheri, Ph.D
Action Links	1	MSB-D-17-00636R1	Research paper	Influence of nanoparticle size on ethanol gas sensing performance of mesoporous α -Fe2O3 hollow spheres	07/26/2017	Completed - Accept	04/21/2017	04/22/2017	05/13/2017	05/12/2017	20	Changqing Jin	Changqing Jin
Action Links	4	MSB-D-16-01876R2	Research paper	Preparation of aligned W18O49 nanowires clusters with high photocatalytic activity	02/14/2017	Completed - Accept	01/22/2017	01/24/2017	02/08/2017	02/01/2017	8	Yafei Zhao, Ph.D	Yafei Zhao, Ph.D
Action Links	4	MSB-D-16-	Research paper	Preparation of aligned W18O49 nanowires clusters with high photocatalytic activity	02/14/2017	Completed - Accept	12/10/2016	12/12/2016	01/02/2017	12/30/2016	18	Yafei Zhao, Ph.D	Yafei Zhao, Ph.D

Completed Reviewer Assignments for Vladimir Blagojevic, Ph.D.

Page: 1 of 1 (22 total assignments)

Display 25 results per page.

Action	My Reviewer Number	Manuscript Number	Article Type	Article Title	Status Date	Current Status	Date Reviewer Invited	Date Reviewer Agreed	Date Review Due	Date Review Submitted	Days Taken	Editor's Name	Corr. Author
Action Links	2	MATCHEMPHY-S-D-20-03644	Full Length Article	Elastic Properties of TeO ₂ -ZnO-Ag ₂ O doped with Nd ₂ O ₃	Dec 21, 2020	Completed - Accept	Nov 01, 2020	Nov 06, 2020	Nov 27, 2020	Dec 04, 2020	28	salah Alazoumi	
Action Links	2	MATCHEMPHY-S-D-20-00566	Full Length Article	Investigation on the Effect of Neodymium Doping on the Magnetic, Dielectric and Microwave Absorption Properties of Strontium Hexaferrite Particles in X-Band	Aug 26, 2020	Completed - Accept	Jun 07, 2020	Jun 07, 2020	Jun 21, 2020	Jun 21, 2020	14	Sachin Tyagi, Ph.D.	
Action Links	1	MATCHEMPHY-S-D-19-02865	Full Length Article	Effective role of minor silicon addition on crystallization kinetics of Cu ₅₀ Zn ₄₃ Al ₇ bulk metallic glass	Nov 28, 2019	Completed - Reject	Oct 20, 2019	Oct 21, 2019	Nov 11, 2019	Nov 09, 2019	19	Mehdi Malekan, Ph.D.	
Action Links	4	MATCHEMPHY-S-D-19-01565R1	Full Length Article	Green allium fistulosum derived nitrogen self-doped carbon dots for quantum dot-sensitized solar cells	Sep 10, 2019	Completed - Accept	Aug 21, 2019	Aug 22, 2019	Sep 12, 2019	Sep 10, 2019	19	Shunjian Xu, Ph.D.	
Action Links	2	MATCHEMPHY-S-D-18-03130R1	Full Length Article	Modeling the melting temperature, melting entropy and melting enthalpy of freestanding metallic nanoparticles	Oct 07, 2019	Completed - Accept	Jul 19, 2019	Jul 21, 2019	Aug 11, 2019	Aug 01, 2019	11	Xiao Bao Jiang	
Action Links	4	MATCHEMPHY-S-D-19-01565	Full Length Article	Green allium fistulosum derived nitrogen self-doped carbon dots for quantum dot-sensitized solar cells	Sep 10, 2019	Completed - Accept	Jul 02, 2019	Jul 02, 2019	Jul 23, 2019	Jul 15, 2019	13	Shunjian Xu, Ph.D.	
Action Links	2	MATCHEMPHY-S-D-18-03489	Full Length Article	Synthesis and characterization of PBO containing lithium diborate glasses doped with Sm ³⁺ ions	Jul 19, 2019	Completed - Reject	May 24, 2019	May 25, 2019	Jun 15, 2019	Jun 12, 2019	18	Veerana Gowda V.C., Ph.D.	
Action Links	2	MATCHEMPHY-S-D-18-03130	Full Length Article	Modeling the melting temperature, melting entropy and melting enthalpy of freestanding metallic nanoparticles	Oct 07, 2019	Completed - Accept	Feb 08, 2019	Feb 09, 2019	Mar 02, 2019	Feb 28, 2019	19	Xiao Bao Jiang	
Action Links	1	MATCHEMPHY-S-D-18-03016	Short Communication	Preparation of Nanoporous Titania Particles Dispersible in Phosphate Buffered Saline	Dec 09, 2018	Completed - Reject	Nov 16, 2018	Nov 19, 2018	Dec 03, 2018	Nov 30, 2018	11	Kota Shiba, Ph.D.	
Action Links	1	MATCHEMPHY-S-D-18-01471	Full Length Article	Influence of main oxide components on structure and properties of geopolymers	Jul 22, 2018	Completed - Reject	Jun 20, 2018	Jun 20, 2018	Jul 04, 2018	Jul 04, 2018	14	Barbara Makic-Altrevic, Ph.D.	
Action Links	2	MATCHEMPHY-S-D-17-01918	Short Communication	Carbon-driven Synthesis of Bi-plasmonic Ag-Cu Nanocomposite Phosphate Glasses	Nov 27, 2017	Completed - Accept	Sep 07, 2017	Sep 07, 2017	Sep 21, 2017	Sep 21, 2017	14	José A Jimenez, PhD	
Action Links	1	MATCHEMPHY-S-D-15-02436	Full Length Article	Influence of defect pairs in Ga-based photovoltaic absorber: A DFT+SE06 Study	Oct 30, 2016	Completed - Reject	Sep 18, 2016	Sep 18, 2016	Oct 09, 2016	Oct 07, 2016	19	Sudhir Kumar, D.Phil.	
Action Links	3	MATCHEMPHY-S-D-16-00221	Full Length Article	Thermo-magnetic and structural properties of melt-spun (Fe _{1-x} V _x) ₇₅ P ₁₅ C ₁₀ amorphous ribbon	Apr 13, 2016	Completed - Reject	Mar 22, 2016	Mar 22, 2016	Apr 05, 2016	Apr 05, 2016	14	Mamataz Perveen, M.Phil.	
Action Links	2	MATCHEMPHY-S-D-15-03026	Full Length Article	Formation of Star Nanowires of Sulfur-doped Zinc Oxide: ab initio Calculations	Mar 13, 2016	Completed - Reject	Feb 01, 2016	Feb 03, 2016	Feb 24, 2016	Feb 22, 2016	19	Zi-Zhong Zhu, Ph.D.	
Action Links	2	MATCHEMPHY-S-D-15-01544	Full Length Article	Removing phosphorus from molten silicon: a thermodynamic evaluation of distillation by the electromagnetic levitation method	Aug 22, 2015	Completed - Reject	Jul 15, 2015	Jul 15, 2015	Aug 05, 2015	Aug 05, 2015	21	Simon Favre	
Action Links	2	MATCHEMPHY-S-D-14-02809R1	Short Communication	Theoretical insight into photo-induced intramolecular electron transfer in heterodinuclear Ru(II)-Co(III) complexes	May 16, 2015	Completed - Accept	Apr 25, 2015	Apr 26, 2015	May 17, 2015	May 11, 2015	15	Xiaoqing Lu, Ph.D.	
Action Links	2	MATCHEMPHY-S-D-	Short	Theoretical insight into photo-induced intramolecular electron transfer in	May 16, 2015	Completed	Feb 13, 2015	Feb 13, 2015	Mar 06, 2015	Mar 06, 2015	21	Xiaoqing Lu,	

Институт техничких наука САНУ
Кнез Михаилова 35/IV
11000 Београд
Србија

Допис о руковођењу пројектима и учешћу на пројектним задацима др Владимира
Благојевића

Овим потврђујем да је у оквиру пројекта 172057 ОИ – Усмерена синтеза, структура и својства мултифункционалних материјала, финансираног од стране Министарства за просвету, науку и технолошки развој Републике Србије, др Владимир Благојевић био руководилац пројектног задатка: Моделовање утицаја морфологије на функционална својства консолидованих механички активираних оксидних материјала.

Београд,
21. 05. 2021. год.

С поштовањем,



Проф. др. Владимир Б. Павловић
научни саветник
редовни професор Пољопривредног Факултета,
Универзитета у Београду
Руководилац пројекта 172057 ОИ

COLUMBIA UNIVERSITY

IN THE CITY OF NEW YORK

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME GREETING
BE IT KNOWN THAT

VLADIMIR BLAGOJEVIC, SR.

HAVING COMPLETED THE STUDIES AND SATISFIED THE REQUIREMENTS
FOR THE DEGREE OF

DOCTOR OF PHILOSOPHY

HAS ACCORDINGLY BEEN ADMITTED TO THAT DEGREE WITH ALL THE
RIGHTS PRIVILEGES AND IMMUNITIES THEREUNTO APPERTAINING IN
WITNESS WHEREOF WE HAVE CAUSED OUR CORPORATE SEAL TO BE HERE
AFFIXED IN THE CITY OF NEW YORK ON THE SEVENTEENTH DAY OF OCTOBER
IN THE YEAR TWO THOUSAND AND SEVEN

Henry C. Parkman
DEAN OF THE FACULTY OF
THE GRADUATE SCHOOL OF
ARTS AND SCIENCES



John C. Collins
PRESIDENT



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 Бумбаширевић

Република Србија
**МИНИСТАРСТВО ПРОСВЕТЕ,
НАУКЕ И ТЕХНОЛОШКОГ РАЗВОЈА**
Комисија за стицање научних звања

Број:660-01-00011/438
28.01.2016. године
Београд

На основу члана 22. става 2. члана 70. став 5. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 50. став 1. Закона о изменама и допунама Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 112/15) члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) и захтева који је поднео

Института техничких наука САНУ у Београду

Комисија за стицање научних звања на седници одржаној 28.01.2016. године, донела је

**ОДЛУКУ
О СТИЦАЊУ НАУЧНОГ ЗВАЊА**

Др Владимир Благојевић

стиче научно звање
Научни сарадник

у области природно-математичких наука - физичка хемија

О Б Р А З Л О Ж Е Њ Е

Института техничких наука САНУ у Београду

утврдио је предлог број 254/1 од 01.07.2015. године на седници Научног већа Института и поднео захтев Комисији за стицање научних звања број 289/1 од 27.07.2015. године за доношење одлуке о испуњености услова за стицање научног звања ***Научни сарадник***.

Комисија за стицање научних звања је по претходно прибављеном позитивном мишљењу Матичног научног одбора за хемију на седници одржаној 28.01.2016. године разматрала захтев и утврдила да именовани испуњава услове из члана 70. став 5. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05 и 50/06 – исправка и 18/10), члана 2. става 1. и 2. тачке 1 – 4.(прилози) и члана 38. Правилника о поступку и начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 38/08) за стицање научног звања ***Научни сарадник***, па је одлучила као у изреци ове одлуке.

Доношењем ове одлуке именовани стиче сва права која му на основу ње по закону припадају.

Одлуку доставити подносиоцу захтева, именованом и архиви Министарства просвете, науке и технолошког развоја у Београду.

ПРЕДСЕДНИК КОМИСИЈЕ

Др Станислава Стошић-Грујичић,
научни саветник

С. Стошић-Грујичић

