Vladimir A BlagojeviÄ

List of Publications by Year
in descending order

46 papers	393 citations	932766 10 h-index	940134 16 g-index
46 all docs	46 docs citations	46 times ranked	539 citing authors

#	Article	IF	Citations
1	2D and 3D silver-based coordination polymers with thiomorpholine-4-carbonitrile and piperazine-1,4-dicarbonitrile: structure, intermolecular interactions, photocatalysis, and thermal behavior. CrystEngComm, 2021, 23, 4799-4815.	1.3	7
2	Point defects and their effect on dielectric permittivity in strontium titanate ceramics. Science of Sintering, 2021, 53, 285-299.	0.5	1
3	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 and Design, 2020, 20, 4461-4478.	1.4	11
4	Influence of Câ€“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 and Design, 2020, 20, 3018-3033.	1.4	3
5	Effects of mechanical activation on the formation and sintering kinetics of barium strontium titanate ceramics. Science of Sintering, 2020, 52, 371-385.	0.5	6
6	Influence of mechanical activation on functional properties of barium hexaferrite ceramics. Ceramics International, 2018, 44, 6666-6672.	2.3	9
7	Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films. Physica Scripta, 2018, 93, 105801.	1.2	25
8	Effect of chemical composition on microstructural properties and sintering kinetics of (Ba,Sr)TiO3 powders. Science of Sintering, 2018, 50, 29-38.	0.5	2
9	Synthesis and thermal stability of cis-dichloro[(E)-ethyl-2-(2-((8-hydroxyquinolin-2-il)methylene)hidrazinyl)acetate-Î²2 N]-palladium(II) complex. Journal of Thermal Analysis and Calorimetry, 2017, 130, 701-711.	2.0	3
10	The influence of alkaline cations on the mechanism and kinetics of dehydration of polymeric phthalatocuprate(II) dihydrates. Journal of Analytical and Applied Pyrolysis, 2017, 126, 323-331.	2.6	1
11	The influence of mechanical activation on structural evolution of nanocrystalline SrTiO3 powders. Journal of Alloys and Compounds, 2017, 695, 863-870.	2.8	24
12	Quantification of the pushâ€“pull effect in 2-alkylidene-4-oxothiazolidines by using NMR spectral data and barriers to rotation around the Cî€€ bond. New Journal of Chemistry, 2016, 40, 6364-6373.	1.4	6
13	Hydrogen storage in a layered flexible [Ni2(btc)(en)2]n coordination polymer. International Journal of Hydrogen Energy, 2016, 41, 22171-22181.	3.8	13
14	Ni(<scp>ii</scp>) 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.	1.7	16
15	Thermally Induced Structural Transformations of Fe40Ni40P14B6 Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 260-267.	1.1	3
16	Optimizing storage conditions to prevent cold denaturation of trypsin for sequencing and to prolong its shelf life. Biochemical Engineering Journal, 2016, 105, 168-176.	1.8	6
17	Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(Î¼) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td 1715-1726.	2.0	3
18	Thermally induced crystallization of amorphous Fe40Ni40P14B6 alloy. Thermochimica Acta, 2015, 614, 129-136.	1.2	12

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19	Thermally induced polymerization of binuclear [Ni2(en)2(H2O)6(pyr)]Â·4H2O complex. Thermochimica Acta, 2015, 607, 82-91.	1.2	7
20	Thermally activated 3D to 2D structural transformation of [Ni2(en)2(H2O)6(pyr)]Â·4H2O flexible coordination polymer. Materials Chemistry and Physics, 2015, 149-150, 105-112.	2.0	6
21	Thermal Stability and Mechanism of Thermally Induced Crystallization of Fe73.5Cu1Nb3Si15.5B7Amorphous Alloy. Acta Physica Polonica A, 2015, 128, 657-660.	0.2	2
22	Kinetics and mechanism of thermally induced crystallization of amorphous Fe73.5Cu1Nb3Si15.5B7 alloy. Thermochimica Acta, 2014, 584, 1-7.	1.2	8
23	Thermally induced structural transformations of a series of palladium(II) complexes with N-heteroaromatic bidentate hydrazone ligands. Thermochimica Acta, 2014, 592, 23-30.	1.2	6
24	Microstructure and functional properties of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy. Materials Chemistry and Physics, 2014, 145, 12-17.	2.0	10
25	Thermally induced crystallization of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy. Intermetallics, 2014, 45, 53-59.	1.8	9
26	Kinetics of multi-step processes of thermal degradation of Co(II) complex with N-benzyloxycarbonylglycinato ligand. Deconvolution of DTG curves. Science of Sintering, 2014, 46, 37-53.	0.5	3
27	Isokinetic parameters of thermal degradation of powder of [Cd(N-Boc-gly)2(H2O)2]n. Science of Sintering, 2014, 46, 323-330.	0.5	0
28	Mechanism and kinetics of crystallization of amorphous Fe81B13Si4C2 alloy. Thermochimica Acta, 2013, 572, 45-50.	1.2	11
29	Hydrothermal synthesis and controlled growth of vanadium oxide nanocrystals. CrystEngComm, 2013, 15, 6617.	1.3	10
30	Mechanism of thermal stabilization of Fe89.8Ni1.5Si5.2B3C0.5 amorphous alloy. Thermochimica Acta, 2013, 562, 35-41.	1.2	8
31	Thermally induced structural transformations and their effect on functional properties of Fe89.8Ni1.5Si5.2B3C0.5 amorphous alloy. Materials Chemistry and Physics, 2013, 142, 207-212.	2.0	6
32	Influence of dimensionality on phase transition in VO2 nanocrystals. Science of Sintering, 2013, 45, 305-311.	0.5	6
33	Effect of structural transformations preceding crystallization on functional properties of Fe73.5Cu1Nb3Si15.5B7 amorphous alloy. Intermetallics, 2012, 21, 45-49.	1.8	11
34	Influence of thermal treatment on microstructure of Fe75Ni2Si8B13C2 amorphous alloy. Intermetallics, 2012, 25, 75-79.	1.8	4
35	Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe75Ni2Si8B13C2 alloy. Thermochimica Acta, 2012, 549, 35-41.	1.2	6
36	Nanocrystal Growth in Thermally Treated Fe75Ni2Si8B13C2 Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3062-3069.	1.1	6

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37	Kinetics, mechanism, and DFT calculations of thermal degradation of a Zn(II) complex with N-benzyloxycarbonylglycinato ligands. Monatshefte FÃ¼r Chemie, 2012, 143, 1133-1139.	0.9	4
38	Influence of structural transformations on functional properties of Fe75Ni2Si8B13C2 amorphous alloy. Materials Chemistry and Physics, 2012, 134, 111-115.	2.0	8
39	Influence of thermal treatment on structure and properties of Fe75Ni2Si8B13C2 amorphous alloy. Hemijska Industrija, 2012, 66, 769-779.	0.3	0
40	Influence of thermally induced structural transformations on hardness in Fe89.8Ni1.5Si5.2B3C0.5 amorphous alloy. Journal of Alloys and Compounds, 2011, 509, 8350-8355.	2.8	9
41	Influence of thermal treatment on structure and microhardness of Fe75Ni2Si8B13C2 amorphous alloy. Intermetallics, 2011, 19, 1780-1785.	1.8	22
42	Influence of microstructural inhomogeneity of individual sides of Fe81Si4B13C2 amorphous alloy ribbon on thermally induced structural transformations. Materials Chemistry and Physics, 2011, 130, 980-985.	2.0	5
43	Influence of Microstructure on Microhardness of Fe81Si4B13C2 Amorphous Alloy after Thermal Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 4106-4112.	1.1	5
44	Kinetics and mechanism of structural transformations of Fe75Ni2Si8B13C2 amorphous alloy induced by thermal treatment. Thermochimica Acta, 2011, 519, 83-89.	1.2	16
45	Magnetic phase transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>V</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mte Physical Review B, 2010, 82, .	1.1	22
46	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 Grätzel Cell. Journal of Physical Chemistry C, 2009, 113, 19806-19811.	1.5	32