

Vladimir A BlagojeviÄ

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quantum Chemical Investigation of Cluster Models for TiO ₂ Nanoparticles with Water-Derived Ligand Passivation: Studies of Excess Electron States and Implications for Charge Transport in the Gratzel Cell. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19806-19811.	1.5	32
2	Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films. <i>Physica Scripta</i> , 2018, 93, 105801.	1.2	25
3	The influence of mechanical activation on structural evolution of nanocrystalline SrTiO ₃ powders. <i>Journal of Alloys and Compounds</i> , 2017, 695, 863-870.	2.8	24
4	Magnetic phase transition in $V_2V_2O_{11}$. <i>Physical Review B</i> , 2010, 82, .	1.1	22
5	Influence of thermal treatment on structure and microhardness of Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ amorphous alloy. <i>Intermetallics</i> , 2011, 19, 1780-1785.	1.8	22
6	Kinetics and mechanism of structural transformations of Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ amorphous alloy induced by thermal treatment. <i>Thermochimica Acta</i> , 2011, 519, 83-89.	1.2	16
7	Ni(II) complex with bishydrazone ligand: synthesis, characterization, DNA binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines. <i>RSC Advances</i> , 2016, 6, 108726-108740.	1.7	16
8	Hydrogen storage in a layered flexible [Ni ₂ (btc)(en) ₂] _n coordination polymer. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22171-22181.	3.8	13
9	Thermally induced crystallization of amorphous Fe ₄₀ Ni ₄₀ P ₁₄ B ₆ alloy. <i>Thermochimica Acta</i> , 2015, 614, 129-136.	1.2	12
10	Effect of structural transformations preceding crystallization on functional properties of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ amorphous alloy. <i>Intermetallics</i> , 2012, 21, 45-49.	1.8	11
11	Mechanism and kinetics of crystallization of amorphous Fe ₈₁ B ₁₃ Si ₄ C ₂ alloy. <i>Thermochimica Acta</i> , 2013, 572, 45-50.	1.2	11
12	1D and 2D Silver-Based Coordination Polymers with Thiomorpholine-4-carbonitrile and Aromatic Polyoxoacids as Coligands: Structure, Photocatalysis, Photoluminescence, and TD-DFT Study. <i>Crystal Growth and Design</i> , 2020, 20, 4461-4478.	1.4	11
13	Hydrothermal synthesis and controlled growth of vanadium oxide nanocrystals. <i>CrystEngComm</i> , 2013, 15, 6617.	1.3	10
14	Microstructure and functional properties of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ amorphous alloy. <i>Materials Chemistry and Physics</i> , 2014, 145, 12-17.	2.0	10
15	Influence of thermally induced structural transformations on hardness in Fe _{89.8} Ni _{1.5} Si _{5.2} B ₃ C _{0.5} amorphous alloy. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8350-8355.	2.8	9
16	Thermally induced crystallization of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ amorphous alloy. <i>Intermetallics</i> , 2014, 45, 53-59.	1.8	9
17	Influence of mechanical activation on functional properties of barium hexaferrite ceramics. <i>Ceramics International</i> , 2018, 44, 6666-6672.	2.3	9
18	Influence of structural transformations on functional properties of Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ amorphous alloy. <i>Materials Chemistry and Physics</i> , 2012, 134, 111-115.	2.0	8

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19	Mechanism of thermal stabilization of Fe _{89.8} Ni _{1.5} Si _{5.2} B ₃ C _{0.5} amorphous alloy. <i>Thermochimica Acta</i> , 2013, 562, 35-41.	1.2	8
20	Kinetics and mechanism of thermally induced crystallization of amorphous Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ alloy. <i>Thermochimica Acta</i> , 2014, 584, 1-7.	1.2	8
21	Thermally induced polymerization of binuclear [Ni ₂ (en) ₂ (H ₂ O) ₆ (pyr)]·4H ₂ O complex. <i>Thermochimica Acta</i> , 2015, 607, 82-91.	1.2	7
22	2D and 3D silver-based coordination polymers with thiomorpholine-4-carbonitrile and piperazine-1,4-dicarbonitrile: structure, intermolecular interactions, photocatalysis, and thermal behavior. <i>CrystEngComm</i> , 2021, 23, 4799-4815.	1.3	7
23	Kinetics and thermodynamics of thermally induced structural transformations of amorphous Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ alloy. <i>Thermochimica Acta</i> , 2012, 549, 35-41.	1.2	6
24	Nanocrystal Growth in Thermally Treated Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ Amorphous Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3062-3069.	1.1	6
25	Thermally induced structural transformations and their effect on functional properties of Fe _{89.8} Ni _{1.5} Si _{5.2} B ₃ C _{0.5} amorphous alloy. <i>Materials Chemistry and Physics</i> , 2013, 142, 207-212.	2.0	6
26	Thermally induced structural transformations of a series of palladium(II) complexes with N-heteroaromatic bidentate hydrazone ligands. <i>Thermochimica Acta</i> , 2014, 592, 23-30.	1.2	6
27	Thermally activated 3D to 2D structural transformation of [Ni ₂ (en) ₂ (H ₂ O) ₆ (pyr)]·4H ₂ O flexible coordination polymer. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 105-112.	2.0	6
28	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. <i>New Journal of Chemistry</i> , 2016, 40, 6364-6373.	1.4	6
29	Optimizing storage conditions to prevent cold denaturation of trypsin for sequencing and to prolong its shelf life. <i>Biochemical Engineering Journal</i> , 2016, 105, 168-176.	1.8	6
30	Influence of dimensionality on phase transition in VO ₂ nanocrystals. <i>Science of Sintering</i> , 2013, 45, 305-311.	0.5	6
31	Effects of mechanical activation on the formation and sintering kinetics of barium strontium titanate ceramics. <i>Science of Sintering</i> , 2020, 52, 371-385.	0.5	6
32	Influence of microstructural inhomogeneity of individual sides of Fe ₈₁ Si ₄ B ₁₃ C ₂ amorphous alloy ribbon on thermally induced structural transformations. <i>Materials Chemistry and Physics</i> , 2011, 130, 980-985.	2.0	5
33	Influence of Microstructure on Microhardness of Fe ₈₁ Si ₄ B ₁₃ C ₂ Amorphous Alloy after Thermal Treatment. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 4106-4112.	1.1	5
34	Influence of thermal treatment on microstructure of Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ amorphous alloy. <i>Intermetallics</i> , 2012, 25, 75-79.	1.8	4
35	Kinetics, mechanism, and DFT calculations of thermal degradation of a Zn(II) complex with N-benzoyloxycarbonylglycinato ligands. <i>Monatshefte für Chemie</i> , 2012, 143, 1133-1139.	0.9	4
36	Kinetics of multi-step processes of thermal degradation of Co(II) complex with N-benzoyloxycarbonylglycinato ligand. Deconvolution of DTG curves. <i>Science of Sintering</i> , 2014, 46, 37-53.	0.5	3

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37	Thermally Induced Structural Transformations of Fe ₄₀ Ni ₄₀ P ₁₄ B ₆ Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 260-267.	1.1	3
38	Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(1/4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (2-pyro 1715-1726.	2.0	3
39	Synthesis and thermal stability of cis-dichloro [(E)-ethyl-2-(2-((8-hydroxyquinolin-2-yl)methylene)hidrazinyl)acetate- ²⁻ N]-palladium(II) complex. Journal of Thermal Analysis and Calorimetry, 2017, 130, 701-711.	2.0	3
40	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 and Design, 2020, 20, 3018-3033.	1.4	3
41	Thermal Stability and Mechanism of Thermally Induced Crystallization of Fe _{73.5} Cu ₁ Nb ₃ Si _{15.5} B ₇ Amorphous Alloy. Acta Physica Polonica A, 2015, 128, 657-660.	0.2	2
42	Effect of chemical composition on microstructural properties and sintering kinetics of (Ba,Sr)TiO ₃ powders. Science of Sintering, 2018, 50, 29-38.	0.5	2
43	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
44	Point defects and their effect on dielectric permittivity in strontium titanate ceramics. Science of Sintering, 2021, 53, 285-299.	0.5	1
45	Influence of thermal treatment on structure and properties of Fe ₇₅ Ni ₂ Si ₈ B ₁₃ C ₂ amorphous alloy. Hemijska Industrija, 2012, 66, 769-779.	0.3	0
46	Isokinetic parameters of thermal degradation of powder of [Cd(N-Boc-gly) ₂ (H ₂ O) ₂] _n . Science of Sintering, 2014, 46, 323-330.	0.5	0