

# Valentin Ivanovski

## List of Publications by Year in descending order

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papers

675

citations

623699

14

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25

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docs citations

42

times ranked

1236

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#	ARTICLE	IF	CITATIONS
1	Nanodimensional spinel NiFe <sub>2</sub> O <sub>4</sub> and ZnFe <sub>2</sub> O <sub>4</sub> ferrites prepared by soft mechanochemical synthesis. Journal of Applied Physics, 2013, 113, .	2.5	134
2	Critical behavior of the van der Waals bonded ferromagnet $\text{Fe}_{x_2}\text{O}_{3}$ . Physical Review B, 2017, 96, .		
3	A study on crystal structure, bonding and hydriding properties of Ti <sub>x</sub> Fe <sub>1-x</sub> Ni intermetallics. Behind substitution of iron by nickel. International Journal of Hydrogen Energy, 2012, 37, 8408-8417.	7.1	48
4	Characterization of partially inverse spinel ZnFe <sub>2</sub> O <sub>4</sub> with high saturation magnetization synthesized via soft mechanochemically assisted route. Journal of Physics and Chemistry of Solids, 2014, 75, 869-877.	4.0	46
5	Study of manganese ferrite powders prepared by a soft mechanochemical route. Journal of Alloys and Compounds, 2011, 509, 9977-9985.	5.5	45
6	Valence state dependent room-temperature ferromagnetism in Fe-doped ceria nanocrystals. Applied Physics Letters, 2010, 96, .	3.3	40
7	Preparation of LiFePO <sub>4</sub> /C composites by co-precipitation in molten stearic acid. Journal of Power Sources, 2011, 196, 4613-4618.	7.8	32
8	Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. Materials Research Bulletin, 2013, 48, 404-415.	5.2	30
9	Structure and physical properties of the layered iron oxycalcogenide BaFe <sub>2</sub> Se <sub>3</sub> O. Physical Review B, 2012, 86, .	3.2	26
10	Spectroscopy investigation of nanostructured nickel-zinc ferrite obtained by mechanochemical synthesis. Materials Research Bulletin, 2015, 63, 239-247.	5.2	19
11	Critical current density and vortex pinning in tetragonal FeS <sub>1-x</sub> Sex (x=0,0.06). Physical Review B, 2016, 94, .	3.2	18
12	HfNi and its hydrides. First principles calculations. International Journal of Hydrogen Energy, 2010, 35, 3572-3577.	7.1	17
13	Yttrium orthoferrite powder obtained by the mechanochemical synthesis. Science of Sintering, 2017, 49, 277-284.	1.4	15
14	Structure and electronic properties of Mo <sub>3</sub> Pt <sub>2</sub> . Physical Review B, 2008, 77, .	3.2	14
15	Magnetism in La <sub>2</sub> O <sub>3</sub> (Fe <sub>1-x</sub> Mn <sub>x</sub> ) <sub>2</sub> Se <sub>2</sub> tuned by Fe/Mn ratio. Physical Review B, 2012, 86, .	3.2	14
16	Magnetic dipole and electric quadrupole interactions of <sup>181</sup> Ta probe in Ni-Hf alloy. Journal of Alloys and Compounds, 2009, 475, 38-41.	5.5	11
17	Improving the photocatalytic properties of anatase TiO <sub>2</sub> (101) surface by co-doping with Cu and N: Ab initio study. Applied Surface Science, 2017, 425, 1095-1100.	6.1	11
18	Structural study of monoclinic Li <sub>2</sub> FeSiO <sub>4</sub> by X-ray diffraction and Mössbauer spectroscopy. Journal of Power Sources, 2014, 265, 75-80.	7.8	10

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19	Interstitial hydrogen in Laves phases – local electronic structure modifications from first-principles. RSC Advances, 2014, 4, 54769-54774.	3.6	6
20	Local structure study of Fe dopants in Ni <sub>3</sub> Al alloys. Journal of Alloys and Compounds, 2015, 651, 705-711.	5.5	6
21	Ab initio study of electronic and optical properties of Fe doped anatase TiO <sub>2</sub> (100) surface. Computational and Theoretical Chemistry, 2017, 1120, 17-23.	2.5	6
22	A study of defect structures in Fe-alloyed ZnO: Morphology, magnetism, and hyperfine interactions. Journal of Applied Physics, 2019, 126, .	2.5	6
23	Suppression of Superconductivity and Nematic Order in Fe <sub>1-y</sub> Se <sub>1-x</sub> S <sub>x</sub> (0 ≤ x ≤ 1; y ≤ 1). Crystals by Anion Height Disorder. Inorganic Chemistry, 0, .	6	
24	Site preference and lattice relaxation around 4d and 5d refractory elements in Ni <sub>3</sub> Al. Journal of Synchrotron Radiation, 2016, 23, 286-292.	2.4	5
25	Characterization of LiFePO <sub>4</sub> samples obtained by pulse combustion under various conditions of synthesis. Journal of Applied Physics, 2019, 126, 085109.	2.5	5
26	Structural, microstructural and mechanical properties of sintered iron-doped mullite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 256, 114543.	3.5	5
27	Microsized fayalite Fe <sub>2</sub> SiO <sub>4</sub> as anode material: the structure, electrochemical properties and working mechanism. Journal of Electroceramics, 2021, 47, 31-41.	2.0	5
28	The time differential perturbed angular correlation study of the Ni-5at.% Hf alloy. Journal of Alloys and Compounds, 2009, 480, 40-42.	5.5	4
29	Structural and electrochemical properties of the Li <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> /C composite prepared using soluble methylcellulose. Journal of Alloys and Compounds, 2019, 786, 912-919.	5.5	4
30	Fe <sub>0.36(4)</sub> Pd <sub>0.64(4)</sub> Se <sub>2</sub> : Magnetic Spin-Glass Polymorph of FeSe <sub>2</sub> and PdSe <sub>2</sub> Stable at Ambient Pressure. Inorganic Chemistry, 2019, 58, 3107-3114.	4.0	4
31	Hyperfine magnetic field at Ta impurities in nickel: Perturbed angular correlation and first principle calculation study. Solid State Communications, 2008, 145, 465-468.	1.9	3
32	Hf dopants in <sup>13</sup> Ni <sub>3</sub> Al alloy. Journal of Applied Physics, 2013, 114, 063712.	2.5	3
33	Site preference of Hf dopant in Ni <sub>3</sub> Al alloys: A perturbed angular correlation study. Journal of Alloys and Compounds, 2015, 622, 541-547.	5.5	3
34	First-principles calculations of tetragonal FeX (X= S, Se, Te): Magnetism, hyperfine-interaction, and bonding. Journal of Magnetism and Magnetic Materials, 2017, 441, 769-775.	2.3	3
35	Thermoelectricity and electronic correlation enhancement in FeS by light Se doping. Physical Review B, 2022, 105, .	3.2	3
36	Absence of long-range magnetic order in $\text{Fe}_{1-x}\text{Se}_x$ ( $0 < x < 1$ ). ( $\text{Fe}_{1-x}\text{Se}_x$ ) <sub>Tj</sub> ETQq0 0 0'rgBT /Overlock 10 T	3.2	3

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37	Thermal evolution of the electric field gradient at $^{181}\text{Ta}$ in $\text{HfNi}$ . <i>Hyperfine Interactions</i> , 2010, 196, 339-347.	0.5	1
38	Mössbauer Spectroscopic Analysis of $\text{Nd}_{2}\text{Fe}_{14}\text{B}/\pm\text{Fe}$ Hard Magnetic Nanocomposites. <i>Solid State Phenomena</i> , 2011, 170, 154-159.	0.3	1
39	Study of Nanodimensional Spinel $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Ferrite Prepared by Mechanochemical Synthesis. <i>2017</i> , , 187-202.		0
40	Electronic structure and electric field gradient calculations for the $\text{Zr}_2\text{Ni}$ intermetallic compound. <i>International Journal of Materials Research</i> , 2009, 100, 1239-1241.	0.3	0
41	Mineral characterization of soil type ranker formed on serpentines occurring in southern Belgrade environs Bubanj Potok. <i>Nuclear Technology and Radiation Protection</i> , 2012, 27, 131-136.	0.8	0
42	Perturbed angular correlation investigation of the electric field gradient at $^{181}\text{Ta}$ probe in the $\text{Hf}_2\text{Ni}_7$ compound. <i>Nuclear Technology and Radiation Protection</i> , 2012, 27, 95-102.	0.8	0