

Aleksandar S Nikolic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cation Distribution and Size-Strain Microstructure Analysis in Ultrafine Zn ²⁺ Mn Ferrites Obtained from Acetylacetonato Complexes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12646-12651.	2.6	77
2	A study of the structural and morphological properties of Ni ²⁺ -ferrite, Zn ²⁺ -ferrite and Ni ²⁺ -Zn ²⁺ -ferrites functionalized with starch. <i>Ceramics International</i> , 2018, 44, 14163-14168.	4.8	65
3	Optimization of photoluminescence of Y ₂ O ₃ :Eu and Gd ₂ O ₃ :Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes. <i>Nanotechnology</i> , 2010, 21, 245702.	2.6	49
4	Zn,Ni ferrite/NiO nanocomposite powder obtained from acetylacetonato complexes. <i>Nanotechnology</i> , 2006, 17, 4877-4884.	2.6	40
5	Magnetization enhancement in nanostructured random type MgFe ₂ O ₄ spinel prepared by soft mechanochemical route. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	40
6	Effect of cobalt doping level of ferrites in enhancing sensitivity of analytical performances of carbon paste electrode for simultaneous determination of catechol and hydroquinone. <i>Talanta</i> , 2016, 161, 668-674.	5.5	23
7	Formation of nanosize Li-ferrites from acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 49-54.	2.3	22
8	Magnetite/Mn-ferrite nanocomposite with improved magnetic properties. <i>Materials Letters</i> , 2014, 120, 86-89.	2.6	19
9	Particle size effect on Néel temperature in Er ₂ O ₃ nanopowder synthesized by thermolysis of 2,4-pentadione complex. <i>Solid State Communications</i> , 2007, 144, 310-314.	1.9	16
10	Comparison of two methods for removal of arsenic from potable water. <i>Vacuum</i> , 2008, 83, 142-145.	3.5	16
11	Carboxylic acids and polyethylene glycol assisted synthesis of nanocrystalline nickel ferrites. <i>Ceramics International</i> , 2013, 39, 6681-6688.	4.8	16
12	Amperometric ascorbic acid sensor based on doped ferrites nanoparticles modified glassy carbon paste electrode. <i>Analytical Biochemistry</i> , 2016, 504, 20-26.	2.4	15
13	The change of crystal symmetry and cation ordering in Li ⁺ Mg ferrites. <i>Journal of Alloys and Compounds</i> , 2002, 336, 286-291.	5.5	14
14	Magnetization enhancement and cation valences in nonstoichiometric (Mn,Fe) ₃ - $\dot{\Gamma}$ O ₄ nanoparticles. <i>Journal of Applied Physics</i> , 2012, 111, 074309.	2.5	13
15	Soft mechanochemical synthesis of MgFe ₂ O ₄ nanoparticles from the mixture of $\dot{\Gamma}$ -Fe ₂ O ₃ with Mg(OH) ₂ and Fe(OH) ₃ with Mg(OH) ₂ . <i>Materials Science and Technology</i> , 2010, 26, 968-974.	1.6	11
16	Synthesis, characterization and in vitro evaluation of divalent ion release from stable NiFe ₂ O ₄ , ZnFe ₂ O ₄ and core-shell ZnFe ₂ O ₄ @NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2020, 46, 3528-3533.	4.8	10
17	External magnetic field influence on magnetite and cobalt-ferrite nano-particles in ferrofluid. <i>Chemical Papers</i> , 2018, 72, 1535-1542.	2.2	9
18	Core and shell structure of ytterbium sesquioxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010, 502, 107-111.	5.5	8

#	ARTICLE	IF	CITATIONS
19	One-pot combustion synthesis of nickel oxide and hematite: From simple coordination compounds to high purity metal oxide nanoparticles. <i>Science of Sintering</i> , 2020, 52, 481-490.	1.4	8
20	Investigation of nanocrystalline phases in Li-La-Fe-O system formed by the decomposition of acetylacetonato complexes. <i>Journal of Alloys and Compounds</i> , 2007, 428, 322-326.	5.5	7
21	Effects of Eu ³⁺ Concentration on Structural, Optical and Vibrational Properties of Multifunctional Ce ³⁺ /Eu ³⁺ Nanoparticles Synthesized by Thermolysis of 2,4-Pentanedione Complexes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8893-8899.	0.9	7
22	Application of Novel Zn-Ferrite Modified Glassy Carbon Paste Electrode as a Sensor for Determination of Cd(II) in Waste Water. <i>Electroanalysis</i> , 2014, 26, 1536-1543.	2.9	7
23	Optical evidence of magnetic field-induced ferrofluid aggregation: Comparison of cobalt ferrite, magnetite, and magnesium ferrite. <i>Optical Materials</i> , 2019, 91, 279-285.	3.6	7
24	Influence of Er ³⁺ /Yb ³⁺ concentration ratio on the down-conversion and up-conversion luminescence and lifetime in GdVO ₄ :Er ³⁺ /Yb ³⁺ microcrystals. <i>Science of Sintering</i> , 2015, 47, 221-228.	1.4	7
25	Nitrogen-15 NMR chemical shifts in oligopeptides coordinated to cobalt(III). <i>Journal of Inorganic Biochemistry</i> , 1996, 62, 117-126.	3.5	6
26	Composition related properties of (Yb,Y)2O ₃ nanoparticles synthesized by controlled thermal degradation of AA complexes. <i>Materials Chemistry and Physics</i> , 2010, 122, 386-391.	4.0	6
27	Mechanochemical synthesis of stoichiometric nickel and nickel-zinc ferrite powders with Nicolson-Ross analysis of absorption coefficients. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 497-505.	0.8	6
28	Spherical aromaticity of Jahn-Teller active fullerene ions. <i>Monatshefte für Chemie</i> , 2013, 144, 817-823.	1.8	3
29	The analysis of 2,3-dicarboxypropane-1,1-diphosphonic acid-coated magnetite nanoparticles under an external magnetic field and their radiolabeling for possible theranostic applications. <i>New Journal of Chemistry</i> , 2019, 43, 5932-5939.	2.8	3
30	Transmittance Measurements in Non-alternating Magnetic Field as Reliable Method for Determining of Heating Properties of Phosphate and Phosphonate Coated Fe ₃ O ₄ Magnetic Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4426-4433.	3.7	3
31	Comparative Structural and Optical Properties of Different Ceria Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6787-6792.	0.9	1