

Svetozar Music

List of Publications by Year in descending order

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111
papers

2,449
citations

201674

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times ranked

3211
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#	ARTICLE	IF	CITATIONS
1	Influence of Sn doping on the structural, magnetic, optical and photocatalytic properties of hematite ($\hat{\pm}$ -Fe ₂ O ₃) nanoparticles. Journal of Physics and Chemistry of Solids, 2022, 161, 110372.	4.0	30
2	Highly covalent FeIII-O bonding in photo-Fenton active Sn-doped goethite nanoparticles. Materials Chemistry and Physics, 2022, 287, 126247.	4.0	4
3	Influence of erbium doping on the structural, magnetic and optical properties of hematite ($\hat{\pm}$ -Fe ₂ O ₃) nanorods. Journal of Physics and Chemistry of Solids, 2022, , 110857.	4.0	2
4	Influence of Cr doping on the structural, magnetic, optical and photocatalytic properties of $\hat{\pm}$ -Fe ₂ O ₃ nanorods. Journal of Physics and Chemistry of Solids, 2021, 148, 109699.	4.0	16
5	Synthesis of nanocrystalline eskolaite via grimaldiite. Chemical Papers, 2021, 75, 735-741.	2.2	3
6	One-pot synthesis and properties of Mn-doped maghemite nanoparticles using acetylacetonate precursors. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 1181-1187.	1.5	1
7	Influence of low-spin Co ³⁺ for high-spin Fe ³⁺ substitution on the structural, magnetic, optical and catalytic properties of hematite ($\hat{\pm}$ -Fe ₂ O ₃) nanorods. Journal of Physics and Chemistry of Solids, 2021, 152, 109929.	4.0	12
8	Synthesis and properties of Sn-doped $\hat{\pm}$ -FeOOH nanoparticles. Chemical Papers, 2021, 75, 6355-6366.	2.2	8
9	Forced hydrolysis of FeCl ₃ solutions in the presence of Cr ³⁺ ions. Journal of Physics and Chemistry of Solids, 2021, 156, 110166.	4.0	3
10	Forced hydrolysis of FeCl ₃ solutions in the presence of guanylurea phosphate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 634, 128047.	4.7	1
11	Electrospun Ti-doped haematite fibres and their properties. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	2
12	Microstructural and magnetic properties of electrospun hematite/cuprospinel composites. Journal of Materials Science: Materials in Electronics, 2020, 31, 9812-9825.	2.2	2
13	Photo-Fenton degradation of methylene blue using hematite-enriched slag under visible light. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 537-549.	1.5	16
14	Synthesis and properties of nanostructured Cr-doped hematite fibres. Chemical Papers, 2020, 74, 4345-4353.	2.2	7
15	Hydrolysis of Fe(III) in the presence of mixed anions and promoters. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 1293-1302.	1.5	3
16	The relationship between local structure and photo-Fenton catalytic ability of glasses and glass-ceramics prepared from Japanese slag. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 751-761.	1.5	9
17	Denitration of simulated radioactive liquid waste. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1477-1485.	1.5	4
18	Effects of Cu doping on the microstructural, thermal, optical and photocatalytic properties of $\hat{\pm}$ -FeOOH and $\hat{\pm}$ -Fe ₂ O ₃ 1D nanoparticles. Journal of Alloys and Compounds, 2019, 802, 290-300.	5.5	23

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19	Forced hydrolysis of FeCl ₃ solutions in the presence of sodium dextran sulphate. <i>Colloid and Polymer Science</i> , 2019, 297, 177-182.	2.1	2
20	Synthesis and Properties of Ni-doped Goethite and Ni-doped Hematite Nanorods. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	2
21	Synthesis and properties of 1D manganese-doped hematite particles. <i>Journal of Alloys and Compounds</i> , 2018, 767, 504-511.	5.5	13
22	⁵⁷ Fe Mössbauer spectroscopic study and magnetic properties of 1D Fe(IO ₃) ₃ particles and their thermal decomposition to γ -Fe ₂ O ₃ . <i>Materials Letters</i> , 2018, 227, 47-50.	2.6	3
23	The effect of carboxylic acids on the oxidation of coated iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	6
24	Monitoring of the Forced Hydrolysis of FeCl ₃ Solutions in the Presence of Sodium Dodecyl Sulphate. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	2
25	Microstructural Properties of Natural Allophane/Gibbsite from a White Bauxite Deposit in Montenegro. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	3
26	The effect of sodium polyanethol sulfonate on the precipitation of zinc oxide. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1331-1337.	5.5	5
27	Synthesis and properties of indium-doped hematite. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1900-1907.	5.5	27
28	Synthesis and properties of precipitated cobalt ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2017, 1140, 32-38.	3.6	36
29	⁵⁷ Fe Mössbauer, XRD, FT-IR, FE SEM Analyses of Natural Goethite, Hematite and Siderite. <i>Croatica Chemica Acta</i> , 2017, 90, .	0.4	11
30	The Effect of Gum Arabic on the Nano / Microstructure and Optical Properties of Precipitated ZnO. <i>Croatica Chemica Acta</i> , 2017, 90, .	0.4	2
31	Hydrothermal processing of electrospun fibers in the synthesis of 1D ZnO nanoparticles. <i>Materials Letters</i> , 2016, 176, 278-281.	2.6	13
32	The effects of In ³⁺ doping on the properties of precipitated goethite. <i>Journal of Alloys and Compounds</i> , 2016, 658, 41-48.	5.5	11
33	The formation of ZnO nanoparticles from zinc gluconate. <i>Ceramics International</i> , 2015, 41, 4975-4981.	4.8	7
34	Nano/microstructure and optical properties of ZnO particles precipitated from zinc acetylacetonate. <i>Journal of Molecular Structure</i> , 2015, 1090, 121-128.	3.6	15
35	Synthesis and microstructural properties of mixed iron-gallium oxides. <i>Journal of Alloys and Compounds</i> , 2015, 634, 130-141.	5.5	17
36	Formation and characterization of ribbon-like RuO ₂ /Ru fibers. <i>Materials Letters</i> , 2015, 156, 142-145.	2.6	7

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37	Formation of RuO ₂ nanoparticles by thermal decomposition of Ru(NO)(NO ₃) ₃ . <i>Ceramics International</i> , 2015, 41, 7811-7815.	4.8	16
38	The influence of CTAB and gum arabic on the precipitation of γ -FeOOH in a highly alkaline medium. <i>Journal of Molecular Structure</i> , 2015, 1090, 129-137.	3.6	9
39	The formation and microstructural properties of uniform γ -GaOOH particles and their calcination products. <i>Journal of Alloys and Compounds</i> , 2015, 620, 217-227.	5.5	38
40	The Influence of Experimental Conditions on the Formation of ZnO Fibers by Electrospinning. <i>Croatica Chemica Acta</i> , 2014, 87, 315-320.	0.4	7
41	Development of ZnO microstructures produced by rapid hydrolysis of zinc acetylacetonate. <i>Ceramics International</i> , 2014, 40, 10953-10959.	4.8	14
42	Morphological and Ultrastructural Comparative Analysis of Bone Tissue After Er:YAG Laser and Surgical Drill Osteotomy. <i>Photomedicine and Laser Surgery</i> , 2014, 32, 401-408.	2.0	27
43	Dependence of NiO microstructure on the electrospinning conditions. <i>Ceramics International</i> , 2014, 40, 10119-10123.	4.8	5
44	Synthesis and microstructural properties of γ -Fe _{1-x} Ga _x OOH solid solutions. <i>Journal of Alloys and Compounds</i> , 2013, 581, 335-343.	5.5	14
45	The synthesis and microstructure of goethite particles precipitated in highly alkaline media. <i>Journal of Alloys and Compounds</i> , 2013, 559, 49-56.	5.5	19
46	The effect of experimental conditions on the microstructure of hematite particles precipitated by the forced hydrolysis of FeCl ₃ solutions. <i>Journal of Molecular Structure</i> , 2013, 1044, 290-298.	3.6	9
47	Synthesis and long-term phase stability of Mn ₃ O ₄ nanoparticles. <i>Journal of Molecular Structure</i> , 2013, 1044, 255-261.	3.6	21
48	A simple route in the synthesis of CdS nanoparticles. <i>Materials Letters</i> , 2013, 109, 179-181.	2.6	13
49	Microstructural characterizations of different Mn-oxide nanoparticles used as models in toxicity studies. <i>Journal of Molecular Structure</i> , 2013, 1044, 248-254.	3.6	26
50	A novel route in the synthesis of magnetite nanoparticles. <i>Materials Letters</i> , 2013, 100, 93-97.	2.6	14
51	Formation of AgFeO ₂ , γ -FeOOH, and Ag ₂ O from mixed Fe(NO ₃) ₃ –AgNO ₃ solutions at high pH. <i>Journal of Molecular Structure</i> , 2013, 1044, 221-230.	3.6	23
52	Thermal decomposition of hydrated salts of Ni(II)-acetate and Ni(II)-lactate. <i>Journal of Molecular Structure</i> , 2013, 1044, 231-238.	3.6	6
53	Formation of Oxide Phases in the System Pr-Fe-O. <i>Croatica Chemica Acta</i> , 2013, 86, 281-285.	0.4	2
54	Formation and microstructure of nickel oxide films. <i>Journal of Alloys and Compounds</i> , 2012, 541, 238-243.	5.5	32

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55	Synthesis and properties of iridium-doped hematite ($\hat{\Gamma}\pm\text{-Fe}_2\text{O}_3$). Journal of Alloys and Compounds, 2012, 545, 200-209.	5.5	37
56	Formation of hollow ZnO particles by simple hydrolysis of zinc acetylacetonate. Ceramics International, 2012, 38, 6047-6052.	4.8	24
57	Local Site Distribution of Oxygen in Silicon-Rich Oxide Thin Films: A Tool to Investigate Phase Separation. Journal of Physical Chemistry C, 2012, 116, 10039-10047.	3.1	10
58	The effect of iridium(III) ions on the formation of iron oxides in a highly alkaline medium. Journal of Alloys and Compounds, 2012, 516, 207-216.	5.5	17
59	Development of porous $\hat{\Gamma}\pm\text{-Fe}_2\text{O}_3$ microstructure by forced hydrolysis of FeCl_3 solutions in the presence of AOT. Journal of Alloys and Compounds, 2012, 532, 41-48.	5.5	14
60	Influence of Nanocrystallization on the Electronic Conductivity of Zinc Iron Phosphate Glass. Journal of the American Ceramic Society, 2012, 95, 303-311.	3.8	19
61	The influence of platinum(IV) ions on the formation of iron oxides in a highly alkaline medium. Journal of Molecular Structure, 2011, 993, 382-389.	3.6	5
62	Monitoring the hydrothermal precipitation of $\hat{\Gamma}\pm\text{-Fe}_2\text{O}_3$ from concentrated $\text{Fe}(\text{NO}_3)_3$ solutions partially neutralized with NaOH. Journal of Molecular Structure, 2011, 993, 115-119.	3.6	23
63	Investigation of solid phase upon $\hat{\Gamma}^3$ -irradiation of ferrihydrite-ethanol suspension. Radiation Physics and Chemistry, 2011, 80, 792-798.	2.8	10
64	Spectroscopic characterization of chrysotile asbestos from different regions. Journal of Molecular Structure, 2011, 993, 120-126.	3.6	32
65	Varying the microstructural properties of ZnO particles using different synthesis routes. Journal of Molecular Structure, 2011, 993, 219-224.	3.6	21
66	Microstructural Analysis of Boehmite Nanoparticles Prepared by Rapid Hydrolysis of Aluminum Sec-butoxide. Croatica Chemica Acta, 2011, , 481-485.	0.4	13
67	The effect of temperature on the crystallization of $\hat{\Gamma}\pm\text{-Fe}_2\text{O}_3$ particles from dense $\hat{\Gamma}^2\text{-FeOOH}$ suspensions. Materials Chemistry and Physics, 2010, 120, 160-166.	4.0	18
68	Growth of uniform lath-like $\hat{\Gamma}\pm\text{-(Fe,Al)OOH}$ and disc-like $\hat{\Gamma}\pm\text{-(Fe,Al)}_2\text{O}_3$ nanoparticles in a highly alkaline medium. Materials Chemistry and Physics, 2010, 123, 67-76.	4.0	14
69	Preparation and characterization of hollow $\hat{\Gamma}\pm\text{-Fe}_2\text{O}_3$ irregular microspheres. Materials Letters, 2010, 64, 2555-2558.	2.6	15
70	Spectroscopic and electron microscopic investigation of iron oxides formed in a highly alkaline medium in the presence of rhodium ions. Journal of Molecular Structure, 2010, 976, 61-68.	3.6	11
71	Formation of nanosize ZnO particles by thermal decomposition of zinc acetylacetonate monohydrate. Ceramics International, 2010, 36, 1117-1123.	4.8	50
72	Effect of Cu^{2+} ion incorporation on the phase development of ZrO_2 -type solid solutions during the thermal treatments. Journal of Alloys and Compounds, 2010, 491, 536-544.	5.5	14

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73	Formation and characterisation of nanosize γ - Rh_2O_3 particles. Journal of Molecular Structure, 2009, 924-926, 221-224.	3.6	24
74	Phase development of the ZrO_2 - ZnO system during the thermal treatments of amorphous precursors. Journal of Molecular Structure, 2009, 924-926, 225-234.	3.6	28
75	Synthesis and microstructure of porous Mn-oxides. Journal of Molecular Structure, 2009, 924-926, 243-247.	3.6	12
76	Formation of iron oxides in a highly alkaline medium in the presence of palladium ions. Journal of Molecular Structure, 2009, 924-926, 201-207.	3.6	6
77	Precipitation of γ - Fe_2O_3 from dense β - FeOOH suspensions with added ammonium amidosulfonate. Journal of Molecular Structure, 2009, 924-926, 235-242.	3.6	25
78	The influence of a Cr-dopant on the properties of γ - FeOOH particles precipitated in highly alkaline media. Journal of Alloys and Compounds, 2009, 469, 336-342.	5.5	17
79	Synthesis of Mn_3O_4 nanoparticles and their application to cancer cells. Collection of Czechoslovak Chemical Communications, 2009, 74, 1351-1360.	1.0	8
80	Synthesis of Nanocrystalline Iron Oxide Particles in the Iron(III) Acetate/Alcohol/Acetic Acid System. European Journal of Inorganic Chemistry, 2008, 2008, 966-973.	2.0	38
81	Thermal behavior of the amorphous precursors of the ZrO_2 - SnO_2 system. Materials Research Bulletin, 2008, 43, 2855-2871.	5.2	17
82	A novel route for the synthesis of nanosize particles of metallic palladium. Materials Letters, 2008, 62, 4369-4370.	2.6	1
83	Dependence of the microstructural properties of ZnO particles on their synthesis. Journal of Alloys and Compounds, 2008, 448, 277-283.	5.5	46
84	Microstructural changes in particles detected during the transformation from β - FeOOH to γ - Fe_2O_3 in dense aqueous suspensions. Journal of Alloys and Compounds, 2008, 464, 81-88.	5.5	29
85	Effect of phosphate on the morphology and size of γ - Fe_2O_3 particles crystallized from dense β - FeOOH suspensions. Journal of Alloys and Compounds, 2008, 466, 498-506.	5.5	22
86	Composite Photopolymerization with Diode Laser. Operative Dentistry, 2007, 32, 279-284.	1.2	17
87	Influence of synthesis route on the formation of ZnO particles and their morphologies. Journal of Alloys and Compounds, 2007, 429, 242-249.	5.5	80
88	The influence of Cd-dopant on the properties of γ - FeOOH and γ - Fe_2O_3 particles precipitated in highly alkaline media. Journal of Alloys and Compounds, 2007, 431, 56-64.	5.5	29
89	^{57}Fe Mössbauer, FT-IR and FE SEM investigation of the formation of hematite and goethite at high pH values. Journal of Molecular Structure, 2007, 834-836, 141-149.	3.6	33
90	Influence of copper ions on the precipitation of goethite and hematite in highly alkaline media. Journal of Molecular Structure, 2007, 834-836, 154-161.	3.6	24

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91	Mössbauer, FT-IR and FE SEM investigation of iron oxides precipitated from FeSO ₄ solutions. Journal of Molecular Structure, 2007, 834-836, 445-453.	3.6	227
92	Influence of synthesis procedure on the morphology of bismuth oxide particles. Materials Letters, 2007, 61, 709-714.	2.6	44
93	Influence of ruthenium ions on the precipitation of $\hat{1}\pm$ -FeOOH, $\hat{1}\pm$ -Fe ₂ O ₃ and Fe ₃ O ₄ in highly alkaline media. Journal of Alloys and Compounds, 2006, 416, 284-290.	5.5	43
94	Properties of $\hat{1}^3$ -FeOOH, $\hat{1}\pm$ -FeOOH and $\hat{1}\pm$ -Fe ₂ O ₃ particles precipitated by hydrolysis of Fe ³⁺ ions in perchlorate containing aqueous solutions. Journal of Alloys and Compounds, 2006, 417, 292-299.	5.5	78
95	The influence of Zn-dopant on the precipitation of $\hat{1}\pm$ -FeOOH in highly alkaline media. Journal of Alloys and Compounds, 2006, 420, 260-268.	5.5	37
96	Formation of porous $\hat{1}\pm$ -Fe ₂ O ₃ microstructure by thermal decomposition of Fe(IO ₃) ₃ . Journal of Alloys and Compounds, 2006, 425, 384-389.	5.5	10
97	Influence of Mn-dopant on the properties of $\hat{1}\pm$ -FeOOH particles precipitated in highly alkaline media. Journal of Alloys and Compounds, 2006, 426, 327-334.	5.5	22
98	Cytotoxicity of nanosize V ₂ O ₅ particles to selected fibroblast and tumor cells. Toxicology in Vitro, 2006, 20, 286-294.	2.4	38
99	Mechanism of ZrTiO ₄ Synthesis by Mechanochemical Processing of TiO ₂ and ZrO ₂ . Journal of the American Ceramic Society, 2006, 89, 060427083300025-???	3.8	20
100	Thermal decomposition of synthetic ammonium jarosite. Journal of Molecular Structure, 2005, 744-747, 295-300.	3.6	24
101	Precipitation of ZnO particles and their properties. Materials Letters, 2005, 59, 2388-2393.	2.6	64
102	Influence of Ni-dopant on the properties of synthetic goethite. Journal of Alloys and Compounds, 2005, 403, 368-375.	5.5	23
103	Photokilling Squamous Carcinoma Cells SCCVII with Ultrafine Particles of Selected Metal Oxides. Journal of Sol-Gel Science and Technology, 2003, 27, 225-233.	2.4	32
104	Influence of chemical synthesis on the crystallization and properties of zinc oxide. Materials Chemistry and Physics, 2003, 77, 521-530.	4.0	77
105	Dependence of nanocrystalline SnO ₂ particle size on synthesis route. Journal of Non-Crystalline Solids, 2002, 303, 270-280.	3.1	169
106	The improved corrosion resistance of steel in water after abrasive blasting with alumina. Corrosion Science, 1984, 24, 197-201.	6.6	12
107	The atmospheric corrosion of iron as studied by Mössbauer spectroscopy. Corrosion Science, 1982, 22, 1089-1096.	6.6	63
108	Low Temperature Deposition of SiN _x Thin Films by the LPCVD Method. Croatica Chemica Acta, 0, , 97-100.	0.4	3

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109	Formation of Iron Oxides by Surface Oxidation of Iron Plate. Croatica Chemica Acta, 0, , 117-124.	0.4	20
110	Hydrothermal Synthesis of Platinum Group Metal Nanoparticles. Croatica Chemica Acta, 0, , 465-468.	0.4	11
111	Construction of Sensor for Submicromolar Detection of Riboflavin by Surface Modification of SPCE with Thermal Degradation Products of Nickel Acetate Tetrahydrate. Electroanalysis, 0, , .	2.9	4