

List of Publications by Year in descending order

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44
papers

2,540
citations

186209

28
h-index

289141

40
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all docs

44
docs citations

44
times ranked

2255
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of cobalt ferrite using grape extract: the impact of cation distribution and inversion degree on the catalytic activity in the decomposition of hydrogen peroxide. <i>Emergent Materials</i> , 2022, 5, 89-103.	3.2	14
2	Eco-friendly synthesis of cobalt-zinc ferrites using quince extract for adsorption and catalytic applications: An approach towards environmental remediation. <i>Chemosphere</i> , 2022, 294, 133565.	4.2	22
3	Catalytic activity of magnetite and its magnetic heating properties. <i>Materials Today: Proceedings</i> , 2022, 62, 5805-5811.	0.9	3
4	Removal of Congo Red dye, polar and non-polar compounds from aqueous solution using magnesium aluminate nanoparticles. <i>Materials Today: Proceedings</i> , 2021, 35, 518-522.	0.9	9
5	Optimal H ₂ O ₂ concentration in advanced oxidation over titanium dioxide photocatalyst. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 73-79.	0.3	4
6	Green synthesis, structure, cations distribution and bonding characteristics of superparamagnetic cobalt-zinc ferrites nanoparticles for Pb(II) adsorption and magnetic hyperthermia applications. <i>Journal of Molecular Liquids</i> , 2021, 328, 115375.	2.3	72
7	Green synthesis of zinc ferrite. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 719, 45-52.	0.4	4
8	Magnesium-zinc ferrites as magnetic adsorbents for Cr(VI) and Ni(II) ions removal: Cation distribution and antistructure modeling. <i>Chemosphere</i> , 2021, 270, 129414.	4.2	54
9	Optimization of TiO ₂ -P25 photocatalyst dose and H ₂ O ₂ concentration for advanced photo-oxidation using smartphone-based colorimetry. <i>Water Science and Technology</i> , 2021, 84, 469-483.	1.2	15
10	Photocatalytic degradation of dyes using rutile TiO ₂ synthesized by reverse micelle and low temperature methods: real-time monitoring of the degradation kinetics. <i>Journal of Molecular Liquids</i> , 2021, 342, 117407.	2.3	22
11	Green Synthesis of Metal and Metal Oxide Nanoparticles: Principles of Green Chemistry and Raw Materials. <i>Magnetochemistry</i> , 2021, 7, 145.	1.0	64
12	Synthesis, morphology, crystallite size and adsorption properties of nanostructured Mg-Zn ferrites with enhanced porous structure. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152945.	2.8	118
13	Structure, morphology and adsorption properties of titania shell immobilized onto cobalt ferrite nanoparticle core. <i>Journal of Molecular Liquids</i> , 2020, 297, 111757.	2.3	55
14	Synthesis of hierarchical structured rare earth metal-doped Co ₃ O ₄ by polymer combustion method for high performance electrochemical supercapacitor electrode materials. <i>Ionics</i> , 2020, 26, 2051-2061.	1.2	47
15	Spinel cobalt(II) ferrite-chromites as catalysts for H ₂ O ₂ decomposition: Synthesis, morphology, cation distribution and antistructure model of active centers formation. <i>Ceramics International</i> , 2020, 46, 27517-27530.	2.3	54
16	Cr content-dependent modification of structural, magnetic properties and bandgap in green synthesized Co-Cr nano-ferrites. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 699, 39-50.	0.4	11
17	Adsorption of Sr(II) ions and salicylic acid onto magnetic magnesium-zinc ferrites: isotherms and kinetic studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26681-26693.	2.7	59
18	Inversion degree, morphology and colorimetric parameters of cobalt aluminate nanopigments depending on reductant type in solution combustion synthesis. <i>Ceramics International</i> , 2020, 46, 14674-14685.	2.3	45

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19	Removal of caffeine, nicotine and amoxicillin from (waste)waters by various adsorbents. A review. Journal of Environmental Management, 2020, 261, 110236.	3.8	152
20	Halloysite nanotubes and halloysite-based composites for environmental and biomedical applications. Journal of Molecular Liquids, 2020, 309, 113077.	2.3	112
21	Green and Ecofriendly Materials for the Remediation of Inorganic and Organic Pollutants in Water. , 2019, , 69-110.		22
22	A review on removal of uranium(VI) ions using titanium dioxide based sorbents. Journal of Molecular Liquids, 2019, 293, 111563.	2.3	84
23	Green Synthesis of Magnetic Spinel Nanoparticles. Springer Proceedings in Physics, 2019, , 389-398.	0.1	8
24	Adsorption of textile dye using para-aminobenzoic acid modified activated carbon: Kinetic and equilibrium studies. Journal of Molecular Liquids, 2019, 296, 112075.	2.3	168
25	Adsorption of Sr(II) cations onto phosphated mesoporous titanium dioxide: Mechanism, isotherm and kinetics studies. Journal of Environmental Chemical Engineering, 2019, 7, 103430.	3.3	36
26	Structure-redox reactivity relationships in $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$: the role of stoichiometry. New Journal of Chemistry, 2019, 43, 3038-3049.	1.4	46
27	Highly efficient adsorption of strontium ions by carbonated mesoporous TiO_2 . Journal of Molecular Liquids, 2019, 285, 742-753.	2.3	204
28	Effect of Zn addition on structural, magnetic properties and anti-structural modeling of magnesium-nickel nano ferrites. Materials Chemistry and Physics, 2019, 229, 78-86.	2.0	64
29	Effects of chemisorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations. Journal of Molecular Liquids, 2019, 282, 587-597.	2.3	58
30	Synthesis and magnetic properties of spinel $\text{Zn}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ (0.0 ≤ x ≤ 1.0) nanoparticles synthesized by microwave combustion method. Journal of Magnetism and Magnetic Materials, 2019, 471, 192-199.	1.0	56
31	Dual control on structure and magnetic properties of Mg ferrite: Role of swift heavy ion irradiation. Journal of Magnetism and Magnetic Materials, 2019, 471, 521-528.	1.0	50
32	Catalytic and Photocatalytic Properties of Oxide Spinel. , 2019, , 1701-1750.		16
33	Physicochemical and electrochemical properties of Gd^{3+} -doped ZnSe thin films fabricated by single-step electrochemical deposition process. Journal of Solid State Electrochemistry, 2018, 22, 1197-1207.	1.2	33
34	Comparative study of structural, optical and electrical properties of electrochemically deposited Eu, Sm and Gd doped ZnSe thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 5638-5648.	1.1	30
35	Elastic properties and antistructural modeling for Nickel-Zinc ferrite-aluminates. Materials Chemistry and Physics, 2018, 207, 534-541.	2.0	71
36	Facile microwave-assisted green synthesis of NiO nanoparticles from <i>Andrographis paniculata</i> leaf extract and evaluation of their photocatalytic and anticancer activities. Molecular Crystals and Liquid Crystals, 2018, 673, 70-80.	0.4	98

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37	Microwave-assisted green synthesis of SnO ₂ nanoparticles and their optical and photocatalytic properties. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 671, 17-23.	0.4	58
38	Green synthesis of cobalt ferrite nanoparticles using <i>Cydonia oblonga</i> extract: structural and Mössbauer studies. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 672, 54-66.	0.4	38
39	La-doped Ni _{0.5} Co _{0.5} Fe ₂ O ₄ nanoparticles: effect of cobalt precursors on structure and morphology. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 674, 110-119.	0.4	23
40	Photovoltaic device performance of pure, manganese (Mn ²⁺) doped and irradiated CuInSe ₂ thin films. <i>New Journal of Chemistry</i> , 2018, 42, 11642-11652.	1.4	40
41	Catalytic and Photocatalytic Properties of Oxide Spinel. , 2018, , 1-50.		4
42	Structural, Optical, and Magnetic Properties of Zn-Doped CoFe ₂ O ₄ Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 141.	3.1	193
43	Spinel Ferrite Nanoparticles: Synthesis, Crystal Structure, Properties, and Perspective Applications. <i>Springer Proceedings in Physics</i> , 2017, , 305-325.	0.1	110
44	Adsorptive removal of toxic Methylene Blue and Acid Orange 7 dyes from aqueous medium using cobalt-zinc ferrite nanoadsorbents. , 0, 150, 374-385.		94