

M A Gabal

List of Publications by Year in descending order

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43
papers

1,351
citations

279798

23
h-index

345221

36
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docs citations

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times ranked

1249
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of nano-crystalline Ni ²⁺ /Zn ferrites synthesized using egg-white precursor. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2258-2264.	2.3	157
2	Effect of chromium ion substitution on the electromagnetic properties of nickel ferrite. <i>Materials Chemistry and Physics</i> , 2009, 118, 153-160.	4.0	95
3	Effect of diamagnetic substitution on the structural, magnetic and electrical properties of NiFe ₂ O ₄ . <i>Materials Chemistry and Physics</i> , 2009, 115, 578-584.	4.0	94
4	Structural, magnetic and electrical characterization of Mg ²⁺ /Ni nano-crystalline ferrites prepared through egg-white precursor. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 363, 6-12.	2.3	69
5	A study on Cu substituted Ni ²⁺ /Cu ²⁺ /Zn ferrites synthesized using egg-white. <i>Journal of Alloys and Compounds</i> , 2010, 492, 411-415.	5.5	67
6	Influence of Al-substitution on structural, electrical and magnetic properties of Mn ²⁺ /Zn ferrites nanopowders prepared via the sol-gel auto-combustion method. <i>Polyhedron</i> , 2013, 57, 105-111.	2.2	60
7	MWCNTs decorated with Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ nanoparticles for removal of crystal-violet dye from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014, 255, 156-164.	12.7	53
8	Synthesis characterization and magnetic properties of Cr-substituted NiCuZn nanocrystalline ferrite. <i>Journal of Alloys and Compounds</i> , 2010, 506, 205-209.	5.5	52
9	Cr-substituted Ni ²⁺ /Zn ferrites via oxalate decomposition. Structural, electrical and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 391, 108-115.	2.3	48
10	Synthesis and characterization of nano-sized CoFe ₂ O ₄ via facile methods: A comparative study. <i>Materials Research Bulletin</i> , 2017, 89, 68-78.	5.2	47
11	On the structural and magnetic properties of La-substituted NiCuZn ferrites prepared using egg-white. <i>Ceramics International</i> , 2011, 37, 2625-2630.	4.8	44
12	Magnetic properties of NiCuZn ferrite nanoparticles synthesized using egg-white. <i>Materials Research Bulletin</i> , 2010, 45, 589-593.	5.2	40
13	PSynthesis, characterization and electromagnetic properties of Zn-substituted CoFe ₂ O ₄ via sucrose assisted combustion route. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 670-679.	2.3	40
14	Structural and magnetic properties of nano-sized Cu ²⁺ /Cr ferrites prepared through a simple method using egg white. <i>Materials Letters</i> , 2010, 64, 1887-1890.	2.6	34
15	Structural, magnetic and electrical properties of Ga-substituted NiCuZn nanocrystalline ferrite. <i>Ceramics International</i> , 2010, 36, 1339-1346.	4.8	34
16	Synthesis, Characterization and Electrical Conductivity of Polyaniline-MnZnFeO Nano-composites. <i>International Journal of Electrochemical Science</i> , 2016, 11, 4526-4538.	1.3	33
17	Structural and electromagnetic characterization of Cr-substituted Ni ²⁺ /Zn ferrites synthesized via Egg-white route. <i>Journal of Molecular Structure</i> , 2015, 1097, 45-51.	3.6	31
18	Synthesis and characterization of nano-sized ceria powder via oxalate decomposition route. <i>Powder Technology</i> , 2012, 229, 112-118.	4.2	30

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19	Mn ²⁺ /Zn nano-crystalline ferrites synthesized from spent Zn ²⁺ /C batteries using novel gelatin method. Journal of Hazardous Materials, 2013, 246-247, 227-233.	12.4	29
20	Structural, magnetic, and electrical characterization of Sr-substituted LaFeO ₃ perovskite synthesized via sucrose auto-combustion route. Journal of Materials Science: Materials in Electronics, 2020, 31, 3146-3158.	2.2	28
21	Structural, electrical and magnetic properties of copper-cadmium ferrites prepared from metal oxalates. Journal of Materials Science, 2005, 40, 387-398.	3.7	26
22	Cr-substitution effect on the structural and magnetic properties of nano-sized NiFe ₂ O ₄ prepared via novel chitosan route. Journal of Magnetism and Magnetic Materials, 2014, 356, 37-41.	2.3	26
23	Selective Fabrication of an Electrochemical Sensor for Pb ²⁺ Based on Poly(pyrrole-co-toluidine)/CoFe ₂ O ₄ Nanocomposites. ChemistrySelect, 2019, 4, 10609-10619.	1.5	26
24	Structural, Thermal, Magnetic and Electrical Properties of Polyaniline/CoFe ₂ O ₄ Nano-composites with Special Reference to the Dye Removal Capability. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 2197-2213.	3.7	21
25	Structural and Magneto-electrical Properties of MFe ₂ O ₄ (M = Co, Ni, Cu, Mg). Tj ETQq1 1,0,784314 rgBT /Overbock 10	3.5	20
26	Synthesis, characterization and magnetic properties of MWCNTs decorated with Zn-substituted MnFe ₂ O ₄ nanoparticles using waste batteries extract. Journal of Magnetism and Magnetic Materials, 2016, 407, 175-181.	2.3	17
27	Structural and electromagnetic studies of Mg _{1-x} Zn _x Fe ₂ O ₄ nanoparticles synthesized via a sucrose autocombustion route. Journal of Materials Science: Materials in Electronics, 2020, 31, 10055-10071.	2.2	17
28	Thermal decomposition kinetics of strontium oxalate. Chemical Papers, 2007, 61, .	2.2	16
29	Substitution Effect on the Structural, Magnetic, and Electrical Properties of Co _{1-x} Zn _x Fe ₂ O ₄ Nanocrystalline Ferrites (Tj ETQq1 1 0.784314 rgBT /Overbock 10 ff Magnetics, 2018, 54, 1-12.	1.0	10
30	Influence of the atmosphere on the thermal decomposition kinetics of the CaCO ₃ content of PFBC coal flying ash. Journal of Thermal Analysis and Calorimetry, 2007, 89, 109-116.	3.6	14
31	One-step novel synthesis of CoFe ₂ O ₄ /graphene composites for organic dye removal. Journal of Sol-Gel Science and Technology, 2019, 89, 743-753.	2.4	13
32	Non-isothermal decomposition of lead oxalate-iron (II) oxalate mixture. DTA-TG, XRD, FT-IR and Mössbauer studies. Journal of Materials Research and Technology, 2021, 15, 5841-5848.	5.8	11
33	CoFe ₂ O ₄ /MWCNTs nano-composites structural, thermal, magnetic, electrical properties and dye removal capability. Materials Research Express, 2019, 6, 105059.	1.6	10
34	Synthesis, Structural, Magnetic and High-Frequency Electrical Properties of Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ /Polypyrrole Core-Shell Composite Using Waste Batteries. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1975-1987.	3.7	8
35	Recovery of Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ from Zn ²⁺ /C battery: auto-combustion synthesizes, characterization, and electromagnetic properties. Journal of Sol-Gel Science and Technology, 2021, 100, 526-537.	2.4	6
36	Synthesis, characterization, elastic, and electro-magnetic properties of MFe ₂ O ₄ ferrites (M = Co ²⁺). Tj ETQq0 0 0 rgBT /Overbock 10 2257-2270.	2.6	6

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37	Sucrose-Assisted Combustion Synthesis and Characterization of Zn-Substituted NiFe ₂ O ₄ Nanocrystals. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
38	Formation of LaFeO ₃ and thermal decomposition reactions in lanthanum(III) oxalate-iron(II) oxalate crystalline mixture. Journal of Materials Science, 2006, 41, 7597-7603.	3.7	3
39	Relaxation phenomena in EDAMn _{1-x} CdxCl ₄ perovskite; 0 ≤ x ≤ 1 perovskite. Journal of Materials Science, 2005, 40, 411-416.	3.7	2
40	Zn-Cr Co-Substitution Effect on Structural and Electromagnetic Properties of CuFe ₂ O ₄ via Oxalate Decomposition Route. International Journal of Applied Ceramic Technology, 2016, 13, 763-772.	2.1	2
41	Zinc titanates nanopowders: synthesis and characterization. Materials Research Express, 2022, 9, 025010.	1.6	2
42	Title is missing!. Journal of Materials Science, 2003, 38, 3677-3682.	3.7	0
43	Correction to "Sucrose-Assisted Combustion Synthesis and Characterization" [Jun 16 Art. no. 2400104]. IEEE Transactions on Magnetics, 2021, 57, 1-1.	2.1	0