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 g-index
45 all docs	45 docs citations	45 times ranked	1249 citing authors

#	Article	IF	Citations
1	Synthesis, Structural, Magnetic and High-Frequency Electrical Properties of Mn0.8Zn0.2Fe2O4/Polypyrrole Coreâ€“Shell Composite Using Waste Batteries. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1975-1987.	3.7	8
2	Zinc titanates nanopowders: synthesis and characterization. Materials Research Express, 2022, 9, 025010.	1.6	2
3	Synthesis, characterization, elastic, and electro-magnetic properties of MFe2O4 ferrites (Mâ€‰=â€‰Co2+,) Tj ETQq1 1 0.784314 rgBT 2257-2270.	2.6	6
4	Correction to â€œSucrose-Assisted Combustion Synthesis and Characterizationâ€•[Jun 16 Art. no. 2400104]. IEEE Transactions on Magnetics, 2021, 57, 1-1.	2.1	0
5	Structural and Magnetoelectrical Properties of MFe₂O₄ (M = Co, Ni, Cu, Mg,) Tj ETQq1 1 0.784314 rgBT /O	3.5	20
6	Recovery of Mn0.8Zn0.2Fe2O4 from Znâ€“C battery: auto-combustion synthesizes, characterization, and electromagnetic properties. Journal of Sol-Gel Science and Technology, 2021, 100, 526-537.	2.4	6
7	Non-isothermal decomposition of lead oxalate-iron (II) oxalate mixture. DTA-TG, XRD, FT-IR and MÃ¶ssbauer studies. Journal of Materials Research and Technology, 2021, 15, 5841-5848.	5.8	11
8	Structural and electromagnetic studies of Mg1-xZnxFe2O4 nanoparticles synthesized via a sucrose autocombustion route. Journal of Materials Science: Materials in Electronics, 2020, 31, 10055-10071.	2.2	17
9	Structural, magnetic, and electrical characterization of Sr-substituted LaFeO3 perovskite synthesized via sucrose auto-combustion route. Journal of Materials Science: Materials in Electronics, 2020, 31, 3146-3158.	2.2	28
10	Selective Fabrication of an Electrochemical Sensor for Pb²⁺ Based on Poly(pyrroleâ€coâ€oâ€“toluidine)/CoFe₂O₄ Nanocomposites. ChemistrySelect, 2019, 4, 10609-10619.	1.5	26
11	CoFe₂O₄/MWCNTs nano-composites structural, thermal, magnetic, electrical properties and dye removal capability. Materials Research Express, 2019, 6, 105059.	1.6	10
12	One-step novel synthesis of CoFe2O4/graphene composites for organic dye removal. Journal of Sol-Gel Science and Technology, 2019, 89, 743-753.	2.4	13
13	Structural, Thermal, Magnetic and Electrical Properties of Polyaniline/CoFe2O4 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
14	Substitution Effect on the Structural, Magnetic, and Electrical Properties of Co_{1â^’<italic>x</italic>}Zn_{<italic>x</italic>}Fe₂O₄Nanocrystallin Ferrites (<inline-formula> <tex-math notation="LaTeX">$x = 0$ </tex-math>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 T Magnetics, 2018, 54, 1-12.	2.1	15
15	Synthesis and characterization of nano-sized CoFe 2 O 4 via facile methods: A comparative study. Materials Research Bulletin, 2017, 89, 68-78.	5.2	47
16	PSynthesis, characterization and electromagnetic properties of Zn-substituted CoFe2O4 via sucrose assisted combustion route. Journal of Magnetism and Magnetic Materials, 2017, 426, 670-679.	2.3	40
17	Synthesis, Characterization and Electrical Conductivity of Polyaniline-MnZnFeO Nano-composites. International Journal of Electrochemical Science, 2016, 11, 4526-4538.	1.3	33
18	Sucrose-Assisted Combustion Synthesis and Characterization of Zn-Substituted NiFe2O4Nanocrystals. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5

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19	Znâ€Cr Coâ€Substitution Effect on Structural and Electromagnetic Properties of CuFe₂O₄ via Oxalate Decomposition Route. International Journal of Applied Ceramic Technology, 2016, 13, 763-772.	2.1	2
20	Synthesis, characterization and magnetic properties of MWCNTs decorated with Zn-substituted MnFe2O4 nanoparticles using waste batteries extract. Journal of Magnetism and Magnetic Materials, 2016, 407, 175-181.	2.3	17
21	Cr-substituted Niâ€“Zn ferrites via oxalate decomposition. Structural, electrical and magnetic properties. Journal of Magnetism and Magnetic Materials, 2015, 391, 108-115.	2.3	48
22	Structural and electromagnetic characterization of Cr-substituted Niâ€“Zn ferrites synthesized via Egg-white route. Journal of Molecular Structure, 2015, 1097, 45-51.	3.6	31
23	Structural, magnetic and electrical characterization of Mgâ€“Ni nano-crystalline ferrites prepared through egg-white precursor. Journal of Magnetism and Magnetic Materials, 2014, 363, 6-12.	2.3	69
24	Cr-substitution effect on the structural and magnetic properties of nano-sized NiFe2O4 prepared via novel chitosan route. Journal of Magnetism and Magnetic Materials, 2014, 356, 37-41.	2.3	26
25	MWCNTs decorated with Mn0.8Zn0.2Fe2O4 nanoparticles for removal of crystal-violet dye from aqueous solutions. Chemical Engineering Journal, 2014, 255, 156-164.	12.7	53
26	Influence of Al-substitution on structural, electrical and magnetic properties of Mnâ€“Zn ferrites nanopowders prepared via the solâ€“gel auto-combustion method. Polyhedron, 2013, 57, 105-111.	2.2	60
27	Mnâ€“Zn nano-crystalline ferrites synthesized from spent Znâ€“C batteries using novel gelatin method. Journal of Hazardous Materials, 2013, 246-247, 227-233.	12.4	29
28	Synthesis and characterization of nano-sized ceria powder via oxalate decomposition route. Powder Technology, 2012, 229, 112-118.	4.2	30
29	Structural and magnetic properties of nano-crystalline Niâ€“Zn ferrites synthesized using egg-white precursor. Journal of Magnetism and Magnetic Materials, 2012, 324, 2258-2264.	2.3	157
30	On the structural and magnetic properties of La-substituted NiCuZn ferrites prepared using egg-white. Ceramics International, 2011, 37, 2625-2630.	4.8	44
31	Magnetic properties of NiCuZn ferrite nanoparticles synthesized using egg-white. Materials Research Bulletin, 2010, 45, 589-593.	5.2	40
32	Structural and magnetic properties of nano-sized Cuâ€“Cr ferrites prepared through a simple method using egg white. Materials Letters, 2010, 64, 1887-1890.	2.6	34
33	Structural, magnetic and electrical properties of Ga-substituted NiCuZn nanocrystalline ferrite. Ceramics International, 2010, 36, 1339-1346.	4.8	34
34	A study on Cu substituted Niâ€“Cuâ€“Zn ferrites synthesized using egg-white. Journal of Alloys and Compounds, 2010, 492, 411-415.	5.5	67
35	Synthesis characterization and magnetic properties of Cr-substituted NiCuZn nanocrystalline ferrite. Journal of Alloys and Compounds, 2010, 506, 205-209.	5.5	52
36	Effect of diamagnetic substitution on the structural, magnetic and electrical properties of NiFe2O4. Materials Chemistry and Physics, 2009, 115, 578-584.	4.0	94

#	Article	IF	Citations
37	Effect of chromium ion substitution on the electromagnetic properties of nickel ferrite. Materials Chemistry and Physics, 2009, 118, 153-160.	4.0	95
38	Thermal decomposition kinetics of strontium oxalate. Chemical Papers, 2007, 61, .	2.2	16
39	Influence of the atmosphere on the thermal decomposition kinetics of the CaCO3 content of PFBC coal flying ash. Journal of Thermal Analysis and Calorimetry, 2007, 89, 109-116.	3.6	14
40	Formation of LaFeO3 and thermal decomposition reactions in lanthanum(III) oxalateâ€“iron(II) oxalate crystalline mixture. Journal of Materials Science, 2006, 41, 7597-7603.	3.7	3
41	Structural, electrical and magnetic properties of copper-cadmium ferrites prepared from metal oxalates. Journal of Materials Science, 2005, 40, 387-398.	3.7	26
42	Relaxation phenomena in EDAMn1?xCdxCl4 perovskite; 0? x ? 1 perovskite. Journal of Materials Science, 2005, 40, 411-416.	3.7	2
43	Title is missing!. Journal of Materials Science, 2003, 38, 3677-3682.	3.7	0