Ismayadi Ismail

List of Publications by Year
in descending order

88 papers	1,282 citations	430874 18 h-index	434195 31 g-index
90 all docs	90 docs citations	90 times ranked	1439 citing authors

#	Article	IF	Citations
1	Recent developments of smart electromagnetic absorbers based polymer-composites at gigahertz frequencies. Journal of Magnetism and Magnetic Materials, 2016, 405, 197-208.	2.3	148
2	Evaluation of Antioxidant and Cytotoxicity Activities of Copper Ferrite (CuFe2O4) and Zinc Ferrite (ZnFe2O4) Nanoparticles Synthesized by Sol-Gel Self-Combustion Method. Applied Sciences (Switzerland), 2016, 6, 184.	2.5	83
3	Phase Transformations of Î±-Alumina Made from Waste Aluminum via a Precipitation Technique. International Journal of Molecular Sciences, 2012, 13, 16812-16821.	4.1	79
4	A Study on Microwave Absorption Properties of Carbon Black and Ni0.6Zn0.4Fe2O4 Nanocomposites by Tuning the Matching-Absorbing Layer Structures. Scientific Reports, 2020, 10, 3135.	3.3	64
5	Synthesis, Characterization and in Vitro Evaluation of Manganese Ferrite (MnFe2O4) Nanoparticles for Their Biocompatibility with Murine Breast Cancer Cells (4T1). Molecules, 2016, 21, 312.	3.8	57
6	Influence of different BFO filler content on microwave absorption performances in BiFeO3/epoxy resin composites. Ceramics International, 2020, 46, 737-746.	4.8	45
7	Mechanochemical carboaluminothermic reduction of rutile to produce TiCâ€“Al2O3 nanocomposite. Advanced Powder Technology, 2014, 25, 423-429.	4.1	44
8	Synthesis of carbonaceous solid acid magnetic catalyst from empty fruit bunch for esterification of palm fatty acid distillate (PFAD). Energy Conversion and Management, 2019, 195, 480-491.	9.2	43
9	Band gap engineering of Ce-doped anatase TiO₂ through solid solubility mechanisms and new defect equilibria formalism. Nanoscale, 2020, 12, 4916-4934.	5.6	37
10	Synthesis of Carbon Nanomaterials from Rice Husk via Microwave Oven. Journal of Nanomaterials, 2018, 2018, 1-5.	2.7	35
11	An investigation of microstructural, magnetic and microwave absorption properties of multi-walled carbon nanotubes/Ni0.5Zn0.5Fe2O4. Scientific Reports, 2019, 9, 15523.	3.3	29
12	Effects of sintering temperature on grain growth and the complex permeability of Co0.2Ni0.3Zn0.5Fe2O4 material prepared using mechanically alloyed nanoparticles. Journal of Magnetism and Magnetic Materials, 2011, 323, 1433-1439.	2.3	28
13	Influence of zinc oxide on the physical, structural and optical band gap of zinc silicate glass system from waste rice husk ash. Optik, 2017, 136, 129-135.	2.9	27
14	Milling time and BPR dependence on permeability and losses of Ni0.5Zn0.5Fe2O4 synthesized via mechanical alloying process. Journal of Magnetism and Magnetic Materials, 2011, 323, 1470-1476.	2.3	25
15	Adsorptive Removal of Copper (II) Ions from Aqueous Solution Using a Magnetite Nano-Adsorbent from Mill Scale Waste: Synthesis, Characterization, Adsorption and Kinetic Modelling Studies. Nanoscale Research Letters, 2021, 16, 168.	5.7	24
16	Indium-substitution and indium-less case effects on structural and magnetic properties of yttrium-iron garnet. Journal of Physics and Chemistry of Solids, 2015, 85, 1-12.	4.0	22
17	Microwave absorption properties of single- and double-layer coatings based on strontium hexaferrite and graphite nanocomposite. Journal of Materials Science: Materials in Electronics, 2018, 29, 14031-14045.	2.2	22
18	Fabrication and characterization of glass and glass-ceramic from rice husk ash as a potent material for opto-electronic applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 17611-17621.	2.2	21

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19	Crystallinity and magnetic properties dependence on sintering temperature and soaking time of mechanically alloyed nanometer-grain Ni0.5Zn0.5Fe2O4. Journal of Magnetism and Magnetic Materials, 2013, 333, 100-107.	2.3	19
20	Grouping trends of magnetic permeability components in their parallel evolution with microstructure in Ni0.3Zn0.7Fe2O4. Journal of Magnetism and Magnetic Materials, 2014, 355, 265-275.	2.3	17
21	Utilization of waste engine oil for carbon nanotube aerogel production using floating catalyst chemical vapor deposition. Journal of Cleaner Production, 2020, 261, 121188.	9.3	17
22	YIG Thick Film as Substrate Overlay for Bandwidth Enhancement of Microstrip Patch Antenna. IEEE Access, 2018, 6, 32601-32611.	4.2	16
23	Influence of Milling Time on the Crystallization, Morphology and Magnetic Properties of Polycrystalline Yttrium Iron Garnet. Advanced Materials Research, 0, 501, 324-328.	0.3	15
24	Comparative study of single- and double-layer BaFe12O19-Graphite nanocomposites for electromagnetic wave absorber applications. Materials Research Bulletin, 2020, 126, 110843.	5.2	15
25	Dependence of magnetic properties and microstructure of mechanically alloyed Ni0.5Zn0.5Fe2O4 on soaking time. Journal of Magnetism and Magnetic Materials, 2012, 324, 2463-2470.	2.3	14
26	The Transition from Paramagnetic to Ferromagnetic States as Influenced by Evolving Microstructure of Ni0.5Zn0.5Fe2O4. Journal of Superconductivity and Novel Magnetism, 2012, 25, 71-77.	1.8	14
27	Magnetic Properties of Mechanically Alloyed Cobalt-Zinc Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1293-1298.	1.8	14
28	Characterization of Cu-Al₂O₃ and Ni-Al₂O₃ Nanocomposites Electrodeposited on Copper Substrate. Materials Science Forum, 0, 846, 471-478.	0.3	14
29	Dependence of Magnetic Hysteresis on Evolving Single-Sample Sintering in Fine-Grained Yttrium Iron Garnet. Journal of Superconductivity and Novel Magnetism, 2014, 27, 631-639.	1.8	13
30	Influence of indium substitution and microstructure changes on the magnetic properties evolution of Y3Fe5â^'xInxO12 (xÂ=Â0.0â€“0.4). Journal of Materials Science: Materials in Electronics, 2015, 26, 3596-3609.	2.2	12
31	Synthesis and mechanism perspectives of a carbon nanotube aerogel via a floating catalyst chemical vapour deposition method. Bulletin of Materials Science, 2019, 42, 1.	1.7	12
32	Structural, microstructural, magnetic and electromagnetic absorption properties of spiraled multiwalled carbon nanotubes/barium hexaferrite (MWCNTs/BaFe12O19) hybrid. Scientific Reports, 2021, 11, 15982.	3.3	12
33	Sintering Temperature Dependence of Evolving Morphologies and Magnetic Properties of Ni0.5Zn0.5Fe2O4 Synthesized via Mechanical alloying. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1551-1561.	1.8	11
34	Structural transformations of mechanically induced top-down approach BaFe 12 O 19 nanoparticles synthesized from high crystallinity bulk materials. Journal of Magnetism and Magnetic Materials, 2017, 429, 192-202.	2.3	11
35	Effects of crystalline phase formation of multiferroic BiFeO3 on microwave absorption characteristics. Journal of Materials Science: Materials in Electronics, 2018, 29, 13229-13240.	2.2	11
36	Dependence of magnetic and microwave loss on evolving microstructure in yttrium iron garnet. Journal of Materials Science: Materials in Electronics, 2018, 29, 8688-8700.	2.2	10

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37	Development of Magnetic B-H Hysteresis Loops Through Stages of Microstructure Evolution of Bulk BaFe12 O 19. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3075-3086.	1.8	9
38	Single- and Double-Layer Microwave Absorbers of Cobalt Ferrite and Graphite Composite at Gigahertz Frequency. Journal of Superconductivity and Novel Magnetism, 2019, 32, 935-943.	1.8	9
39	A comparative study of different sintering routes effects on evolving microstructure and Bâ€“H magnetic hysteresis in mechanically-alloyed Niâ€“Zn ferrite, Ni0.3Zn0.7Fe2O4. Journal of Materials Science: Materials in Electronics, 2015, 26, 59-65.	2.2	8
40	Enhanced luminescence properties of low-cost Mn2+ doped willemite based glassâ€“ceramics as potential green phosphor materials. Journal of Materials Science: Materials in Electronics, 2017, 28, 12282-12289.	2.2	8
41	Magnetic and Microwave Properties of Polycrystalline Gadolinium Iron Garnet. Solid State Phenomena, 0, 268, 287-291.	0.3	8
42	Iron Oxide Nanoparticles Derived from Mill Scale Waste as Potential Scavenging Agent in Dye Wastewater Treatment for Batik Industry. Solid State Phenomena, 0, 268, 393-398.	0.3	8
43	Synthesis of Carbon Nanotube-Cotton Superfiber Materials. , 2019, , 61-76.		8
44	Phase, morphological, and magnetic properties of iron oxide nanoparticles extracted from mill scale waste and its surface modification with CTAB surfactant. Journal of the Australian Ceramic Society, 2020, 56, 729-743.	1.9	8
45	Structural, Electromagnetic and Microwave Properties of Magnetite Extracted from Mill Scale Waste via Conventional Ball Milling and Mechanical Alloying Techniques. Materials, 2021, 14, 7075.	2.9	8
46	A Simple Method for Measuring Intrinsic Blocking Temperature in Superparamagnetic Nanomaterials. Journal of Superconductivity and Novel Magnetism, 2013, 26, 407-414.	1.8	7
47	High coercivity sized controlled cobaltâ€“gold coreâ€“shell nano-crystals prepared by reverse microemulsion. Materials Research Bulletin, 2013, 48, 4039-4047.	5.2	7
48	Evolving microstructure, magnetic properties and phase transition in a mechanically alloyed Ni0.5Zn0.5Fe2O4 single sample. Journal of Magnetism and Magnetic Materials, 2014, 351, 16-24.	2.3	7
49	Nickel zinc ferrite thick film with linseed oil as organic vehicle for microwave device applications. Materials Chemistry and Physics, 2019, 236, 121790.	4.0	6
50	Magnetite Nanoparticles (MNPs) Used as Cadmium Metal Removal from the Aqueous Solution from Mill Scales Waste Sources. Sains Malaysiana, 2020, 49, 847-858.	0.5	6
51	Extraction of Magnetite from Millscales Waste for Ultrafast Removal of Cadmium Ions. International Journal of Engineering and Advanced Technology, 2019, 9, 5902-5907.	0.3	6
52	Synthesis of Y-Tip Graphitic Nanoribbons from Alcohol Catalytic Chemical Vapor Deposition on Piezoelectric Substrate. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
53	Compositional and frequency dependent-magnetic and microwave characteristics of indium substituted yttrium iron garnet. Journal of Materials Science: Materials in Electronics, 2017, 28, 3029-3041.	2.2	5
54	Novel 3-Dimensional Cotton-Like Graphenated-Carbon Nanotubes Synthesized via Floating Catalyst Chemical Vapour Deposition Method for Potential Gas-Sensing Applications. Journal of Nanomaterials, 2019, 2019, 1-10.	2.7	5

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55	Isochronal recovery behaviour on electromagnetic properties of polycrystalline nickel zinc ferrite (Ni0.5Zn0.5Fe2O4) prepared via mechanical alloying. Scientific Reports, 2021, 11, 19642.	3.3	5
56	Trends of Parallel Microstructure and Magnetic Properties Evolution in Co0.5Zn0.5Fe2O4. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1903-1910.	1.8	4
57	Influence of Microstructural Evolution on the Magnetically Group Dominance in Polycrystalline Y₃Fe₅O₁₂ Multi-Samples. Materials Science Forum, 2016, 846, 366-374.	0.3	4
58	Magnetic phase transition of mechanically alloyed single sample Co0.5Ni0.5Fe2O4. Results in Physics, 2019, 15, 102683.	4.1	4
59	Potential patch antenna application with particle size variation in polycrystalline gadolinium iron garnet (GdIG). Journal of the Australian Ceramic Society, 2020, 56, 1097-1105.	1.9	4
60	Synthesis and characterization of graphene/carbon nanotube hybrid: effects of Ni catalyst thickness and H2 flow rate on growth and morphological structure. Journal of Materials Science: Materials in Electronics, 2021, 32, 7943-7955.	2.2	4
61	Effect of microstructural evolution from nano to micron grain size regime towards structural, magnetic, electrical and microwave properties of gadolinium iron garnet (Gd3Fe5O12). Journal of Materials Science: Materials in Electronics, 2021, 32, 10160-10179.	2.2	4
62	MAGNETIC CHARACTERIZATION OF WEB-LIKE CARBON NANOTUBES CATALYZED BY Fe₂O₃ VIA PULSED LASER ABLATION DEPOSITION (PLAD) TECHNIQUE. International Journal of Nanoscience, 2011, 10, 403-412.	0.7	3
63	Printability and structural analysis of Yttrium iron garnet thick film with low firing temperature. , 2015, , .		3
64	Comprehensive Study on Elastic Moduli Prediction and Correlation of Glass and Glass Ceramic Derived from Waste Rice Husk. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.8	3
65	A better understanding of CNTs chemical purification and functionalization processes. , 2018, , .		3
66	Direct synthesis of carbon nanotube aerogel using floating catalyst chemical vapor deposition: effect of gas flow rate. Chemical Papers, 2020, 74, 3359-3365.	2.2	3
67	Waste NR Latex Based-Precursors as Carbon Source for CNTs Eco-Fabrications. Polymers, 2021, 13, 3409.	4.5	3
68	Effect of aggregation on dielectric property of MWCNT/PDMS nanocomposite. , 2015, , .		2
69	Synthesis of carbon nanotubes using microwave oven. , 2015, , .		2
70	Yttrium iron garnet thick film inclusion for enhanced microstrip patch antenna performance. , 2017, , .		2
71	A Study of Multiferroic BiFeO₃/Epoxy Resin Composite as Potential Coating Materials for Microwave Absorption. Solid State Phenomena, 0, 307, 20-25.	0.3	2
72	Effect of Mechanical Agitation on Cr-Al₂O₃ Nanocomposite Coatings Fabricated from Trivalent Chromium Electrodeposition. Solid State Phenomena, 0, 317, 506-514.	0.3	2

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73	Influence of nanometric microstructural development on thermophysical properties of lanthanum-doped strontium titanate. Materials Chemistry and Physics, 2021, 270, 124867.	4.0	2
74	Equilibrium studies and dynamic behaviour of cadmium adsorption by magnetite nanoparticles extracted from mill scales waste. , 0, 171, 115-131.		2
75	Microwave Absorption Characteristics of some Ferrite-Filled Polymer Composites. Advanced Materials Research, 0, 895, 298-304.	0.3	1
76	Influence of Parallel Evolving Microstructure on Thermal Diffusivity in Strontium Titanate. Materials Science Forum, 0, 846, 416-425.	0.3	1
77	Evolution of Magnetic Properties in Ferrites: Trends of Single- Sample and Multi-Sample Sintering. , 0, , .		1
78	Effect of Yttrium Iron Garnet Thick Film in Fabrication of Flexible Microstrip Patch Antenna. , 2019, , .		1
79	Rheology Properties of Carbon Nanotube Thick Film Paste for Potential Application in Patch Antenna. , 2019, , .		1
80	Nickel Zinc Ferrite Thick Film for Optimized Performance of Flexible Patch Antenna. , 2019, , .		1
81	Systematic microstructural development with thermal diffusivity behaviour from nanometric to micronic grains of strontium titanate. Journal of Thermal Analysis and Calorimetry, 2019, 137, 105-119.	3.6	1
82	Response Surface Optimization of Multilayer Graphene Growth on Alumina-Supported Bimetallic Cobaltâ€“Nickel Substrate. Arabian Journal for Science and Engineering, 2020, 45, 7455-7465.	3.0	1
83	Influence of La- and Al-Dopant Substitutions on Morphology and Magnetic Characteristics of High Temperature Yttrium Iron Garnet. Materials Science Forum, 0, 981, 11-16.	0.3	1
84	Synthesis and morphological study of graphenated carbon nanotube aerogel from grapeseed oil. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	1
85	Sintering Processing of Complex Magnetic Ceramic Oxides: A Comparison Between Sintering of Bottom-Up Approach Synthesis and Mechanochemical Process of Top-Down Approach Synthesis. , 0, , .		0
86	X and Ku-band frequency dependent microwave characteristics of graphite /BaFe<inf>12</inf>O<inf>19</inf> particles. , 2018, , .		0
87	Effect of firing temperature on surface morphology of nanosized ferrite-based thick film with linseed oil as organic vehicle. International Journal of Nanotechnology, 2019, 16, 660.	0.2	0
88	Structural, magnetic and microwave absorption properties of BiFe1â^'xYxO3 ceramics synthesized by modified thermal treatment method. Journal of Materials Science: Materials in Electronics, 2021, 32, 5831-5848.	2.2	0