

Ismayadi Ismail

List of Publications by Year in descending order

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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	Synthesis and characterization of graphene/carbon nanotube hybrid: effects of Ni catalyst thickness and H ₂ flow rate on growth and morphological structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7943-7955.	2.2	4
2	Structural, magnetic and microwave absorption properties of BiFe _{1-x} YxO ₃ ceramics synthesized by modified thermal treatment method. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5831-5848.	2.2	0
3	Effect of microstructural evolution from nano to micron grain size regime towards structural, magnetic, electrical and microwave properties of gadolinium iron garnet (Gd ₃ Fe ₅ O ₁₂). <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10160-10179.	2.2	4
4	Structural, microstructural, magnetic and electromagnetic absorption properties of spiraled multiwalled carbon nanotubes/barium hexaferrite (MWCNTs/BaFe ₁₂ O ₁₉) hybrid. <i>Scientific Reports</i> , 2021, 11, 15982.	3.3	12
5	Influence of nanometric microstructural development on thermophysical properties of lanthanum-doped strontium titanate. <i>Materials Chemistry and Physics</i> , 2021, 270, 124867.	4.0	2
6	Waste NR Latex Based-Precursors as Carbon Source for CNTs Eco-Fabrications. <i>Polymers</i> , 2021, 13, 3409.	4.5	3
7	Isochronal recovery behaviour on electromagnetic properties of polycrystalline nickel zinc ferrite (Ni _{0.5} Zn _{0.5} Fe ₂ O ₄) prepared via mechanical alloying. <i>Scientific Reports</i> , 2021, 11, 19642.	3.3	5
8	Synthesis and morphological study of graphenated carbon nanotube aerogel from grapeseed oil. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	1
9	Structural, Electromagnetic and Microwave Properties of Magnetite Extracted from Mill Scale Waste via Conventional Ball Milling and Mechanical Alloying Techniques. <i>Materials</i> , 2021, 14, 7075.	2.9	8
10	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. <i>Nanoscale Research Letters</i> , 2021, 16, 168.	5.7	24
11	Influence of different BFO filler content on microwave absorption performances in BiFeO ₃ /epoxy resin composites. <i>Ceramics International</i> , 2020, 46, 737-746.	4.8	45
12	Phase, morphological, and magnetic properties of iron oxide nanoparticles extracted from mill scale waste and its surface modification with CTAB surfactant. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 729-743.	1.9	8
13	Response Surface Optimization of Multilayer Graphene Growth on Alumina-Supported Bimetallic Cobalt-Nickel Substrate. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7455-7465.	3.0	1
14	Utilization of waste engine oil for carbon nanotube aerogel production using floating catalyst chemical vapor deposition. <i>Journal of Cleaner Production</i> , 2020, 261, 121188.	9.3	17
15	Potential patch antenna application with particle size variation in polycrystalline gadolinium iron garnet (GdIG). <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 1097-1105.	1.9	4
16	A Study on Microwave Absorption Properties of Carbon Black and Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ Nanocomposites by Tuning the Matching-Absorbing Layer Structures. <i>Scientific Reports</i> , 2020, 10, 3135.	3.3	64
17	Comparative study of single- and double-layer BaFe ₁₂ O ₁₉ -Graphite nanocomposites for electromagnetic wave absorber applications. <i>Materials Research Bulletin</i> , 2020, 126, 110843.	5.2	15
18	Band gap engineering of Ce-doped anatase TiO ₂ through solid solubility mechanisms and new defect equilibria formalism. <i>Nanoscale</i> , 2020, 12, 4916-4934.	5.6	37

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19	Direct synthesis of carbon nanotube aerogel using floating catalyst chemical vapor deposition: effect of gas flow rate. <i>Chemical Papers</i> , 2020, 74, 3359-3365.	2.2	3
20	Magnetite Nanoparticles (MNPs) Used as Cadmium Metal Removal from the Aqueous Solution from Mill Scales Waste Sources. <i>Sains Malaysiana</i> , 2020, 49, 847-858.	0.5	6
21	Single- and Double-Layer Microwave Absorbers of Cobalt Ferrite and Graphite Composite at Gigahertz Frequency. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 935-943.	1.8	9
22	Nickel zinc ferrite thick film with linseed oil as organic vehicle for microwave device applications. <i>Materials Chemistry and Physics</i> , 2019, 236, 121790.	4.0	6
23	Synthesis and mechanism perspectives of a carbon nanotube aerogel via a floating catalyst chemical vapour deposition method. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	12
24	Novel 3-Dimensional Cotton-Like Graphenated-Carbon Nanotubes Synthesized via Floating Catalyst Chemical Vapour Deposition Method for Potential Gas-Sensing Applications. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	2.7	5
25	An investigation of microstructural, magnetic and microwave absorption properties of multi-walled carbon nanotubes/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . <i>Scientific Reports</i> , 2019, 9, 15523.	3.3	29
26	Effect of Yttrium Iron Garnet Thick Film in Fabrication of Flexible Microstrip Patch Antenna. , 2019, , .		1
27	Magnetic phase transition of mechanically alloyed single sample Co _{0.5} Ni _{0.5} Fe ₂ O ₄ . <i>Results in Physics</i> , 2019, 15, 102683.	4.1	4
28	Synthesis of carbonaceous solid acid magnetic catalyst from empty fruit bunch for esterification of palm fatty acid distillate (PFAD). <i>Energy Conversion and Management</i> , 2019, 195, 480-491.	9.2	43
29	Effect of firing temperature on surface morphology of nanosized ferrite-based thick film with linseed oil as organic vehicle. <i>International Journal of Nanotechnology</i> , 2019, 16, 660.	0.2	0
30	Rheology Properties of Carbon Nanotube Thick Film Paste for Potential Application in Patch Antenna. , 2019, , .		1
31	Nickel Zinc Ferrite Thick Film for Optimized Performance of Flexible Patch Antenna. , 2019, , .		1
32	Synthesis of Carbon Nanotube-Cotton Superfiber Materials. , 2019, , 61-76.		8
33	Systematic microstructural development with thermal diffusivity behaviour from nanometric to micronic grains of strontium titanate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 105-119.	3.6	1
34	Extraction of Magnetite from Millscales Waste for Ultrafast Removal of Cadmium Ions. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 9, 5902-5907.	0.3	6
35	Dependence of magnetic and microwave loss on evolving microstructure in yttrium iron garnet. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8688-8700.	2.2	10
36	A better understanding of CNTs chemical purification and functionalization processes. , 2018, , .		3

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37	Microwave absorption properties of single- and double-layer coatings based on strontium hexaferrite and graphite nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14031-14045.	2.2	22
38	Synthesis of Carbon Nanomaterials from Rice Husk via Microwave Oven. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-5.	2.7	35
39	YIG Thick Film as Substrate Overlay for Bandwidth Enhancement of Microstrip Patch Antenna. <i>IEEE Access</i> , 2018, 6, 32601-32611.	4.2	16
40	X and Ku-band frequency dependent microwave characteristics of graphite /BaFe ₁₂ O ₁₉ particles. , 2018, , .		0
41	Effects of crystalline phase formation of multiferroic BiFeO ₃ on microwave absorption characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13229-13240.	2.2	11
42	Structural transformations of mechanically induced top-down approach BaFe ₁₂ O ₁₉ nanoparticles synthesized from high crystallinity bulk materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 429, 192-202.	2.3	11
43	Influence of zinc oxide on the physical, structural and optical band gap of zinc silicate glass system from waste rice husk ash. <i>Optik</i> , 2017, 136, 129-135.	2.9	27
44	Enhanced luminescence properties of low-cost Mn ²⁺ doped willemite based glass-ceramics as potential green phosphor materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12282-12289.	2.2	8
45	Fabrication and characterization of glass and glass-ceramic from rice husk ash as a potent material for opto-electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17611-17621.	2.2	21
46	Compositional and frequency dependent-magnetic and microwave characteristics of indium substituted yttrium iron garnet. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3029-3041.	2.2	5
47	Yttrium iron garnet thick film inclusion for enhanced microstrip patch antenna performance. , 2017, , .		2
48	Comprehensive Study on Elastic Moduli Prediction and Correlation of Glass and Glass Ceramic Derived from Waste Rice Husk. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-10.	1.8	3
49	Synthesis, Characterization and in Vitro Evaluation of Manganese Ferrite (MnFe ₂ O ₄) Nanoparticles for Their Biocompatibility with Murine Breast Cancer Cells (4T1). <i>Molecules</i> , 2016, 21, 312.	3.8	57
50	Evaluation of Antioxidant and Cytotoxicity Activities of Copper Ferrite (CuFe ₂ O ₄) and Zinc Ferrite (ZnFe ₂ O ₄) Nanoparticles Synthesized by Sol-Gel Self-Combustion Method. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 184.	2.5	83
51	Influence of Microstructural Evolution on the Magnetically Group Dominance in Polycrystalline Y ₃ Fe ₅ O ₁₂ Multi-Samples. <i>Materials Science Forum</i> , 2016, 846, 366-374.	0.3	4
52	Recent developments of smart electromagnetic absorbers based polymer-composites at gigahertz frequencies. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 405, 197-208.	2.3	148
53	Printability and structural analysis of Yttrium iron garnet thick film with low firing temperature. , 2015, , .		3
54	Synthesis of Y-Tip Graphitic Nanoribbons from Alcohol Catalytic Chemical Vapor Deposition on Piezoelectric Substrate. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	2.7	5

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55	Effect of aggregation on dielectric property of MWCNT/PDMS nanocomposite. , 2015, , .		2
56	Synthesis of carbon nanotubes using microwave oven. , 2015, , .		2
57	A comparative study of different sintering routes effects on evolving microstructure and B-H magnetic hysteresis in mechanically-alloyed Ni-Zn ferrite, Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ . Journal of Materials Science: Materials in Electronics, 2015, 26, 59-65.	2.2	8
58	Development of Magnetic B-H Hysteresis Loops Through Stages of Microstructure Evolution of Bulk BaFe ₁₂ O ₁₉ . Journal of Superconductivity and Novel Magnetism, 2015, 28, 3075-3086.	1.8	9
59	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
60	Influence of indium substitution and microstructure changes on the magnetic properties evolution of Y ₃ Fe ₅ xIn _x O ₁₂ (x=0.0-0.4). Journal of Materials Science: Materials in Electronics, 2015, 26, 3596-3609.	2.2	12
61	Evolving microstructure, magnetic properties and phase transition in a mechanically alloyed Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ single sample. Journal of Magnetism and Magnetic Materials, 2014, 351, 16-24.	2.3	7
62	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
63	Magnetic Properties of Mechanically Alloyed Cobalt-Zinc Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1293-1298.	1.8	14
64	Trends of Parallel Microstructure and Magnetic Properties Evolution in Co _{0.5} Zn _{0.5} Fe ₂ O ₄ . Journal of Superconductivity and Novel Magnetism, 2014, 27, 1903-1910.	1.8	4
65	Mechanochemical carboaluminothermic reduction of rutile to produce Ti-Al ₂ O ₃ nanocomposite. Advanced Powder Technology, 2014, 25, 423-429.	4.1	44
66	Grouping trends of magnetic permeability components in their parallel evolution with microstructure in Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ . Journal of Magnetism and Magnetic Materials, 2014, 355, 265-275.	2.3	17
67	A Simple Method for Measuring Intrinsic Blocking Temperature in Superparamagnetic Nanomaterials. Journal of Superconductivity and Novel Magnetism, 2013, 26, 407-414.	1.8	7
68	High coercivity sized controlled cobalt-gold core-shell nano-crystals prepared by reverse microemulsion. Materials Research Bulletin, 2013, 48, 4039-4047.	5.2	7
69	Crystallinity and magnetic properties dependence on sintering temperature and soaking time of mechanically alloyed nanometer-grain Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . Journal of Magnetism and Magnetic Materials, 2013, 333, 100-107.	2.3	19
70	Phase Transformations of γ -Alumina Made from Waste Aluminum via a Precipitation Technique. International Journal of Molecular Sciences, 2012, 13, 16812-16821.	4.1	79
71	Sintering Temperature Dependence of Evolving Morphologies and Magnetic Properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Synthesized via Mechanical alloying. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1551-1561.	1.8	11
72	Dependence of magnetic properties and microstructure of mechanically alloyed Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ on soaking time. Journal of Magnetism and Magnetic Materials, 2012, 324, 2463-2470.	2.3	14

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73	The Transition from Paramagnetic to Ferromagnetic States as Influenced by Evolving Microstructure of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . Journal of Superconductivity and Novel Magnetism, 2012, 25, 71-77.	1.8	14
74	Effects of sintering temperature on grain growth and the complex permeability of Co _{0.2} Ni _{0.3} Zn _{0.5} Fe ₂ O ₄ material prepared using mechanically alloyed nanoparticles. Journal of Magnetism and Magnetic Materials, 2011, 323, 1433-1439.	2.3	28
75	Milling time and BPR dependence on permeability and losses of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ synthesized via mechanical alloying process. Journal of Magnetism and Magnetic Materials, 2011, 323, 1470-1476.	2.3	25
76	MAGNETIC CHARACTERIZATION OF WEB-LIKE CARBON NANOTUBES CATALYZED BY $\text{Fe}_{2}\text{O}_{3}$ VIA PULSED LASER ABLATION DEPOSITION (PLAD) TECHNIQUE. International Journal of Nanoscience, 2011, 10, 403-412.	0.7	3
77	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
78	Microwave Absorption Characteristics of some Ferrite-Filled Polymer Composites. Advanced Materials Research, 0, 895, 298-304.	0.3	1
79	Characterization of Cu-Al ₂ O ₃ and Ni-Al ₂ O ₃ Nanocomposites Electrodeposited on Copper Substrate. Materials Science Forum, 0, 846, 471-478.	0.3	14
80	Influence of Parallel Evolving Microstructure on Thermal Diffusivity in Strontium Titanate. Materials Science Forum, 0, 846, 416-425.	0.3	1
81	Magnetic and Microwave Properties of Polycrystalline Gadolinium Iron Garnet. Solid State Phenomena, 0, 268, 287-291.	0.3	8
82	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
83	Evolution of Magnetic Properties in Ferrites: Trends of Single- Sample and Multi-Sample Sintering. , 0, , .		1
84	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
85	A Study of Multiferroic BiFeO ₃ /Epoxy Resin Composite as Potential Coating Materials for Microwave Absorption. Solid State Phenomena, 0, 307, 20-25.	0.3	2
86	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
87	Effect of Mechanical Agitation on Cr-Al ₂ O ₃ Nanocomposite Coatings Fabricated from Trivalent Chromium Electrodeposition. Solid State Phenomena, 0, 317, 506-514.	0.3	2
88	Equilibrium studies and dynamic behaviour of cadmium adsorption by magnetite nanoparticles extracted from mill scales waste. , 0, 171, 115-131.		2