

Rabaah Syahidah binti Azis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Experimental and Computational Study of the Microwave Absorption Properties of Recycled γ -Fe ₂ O ₃ /OPEFB Fiber/PCL Multi-Layered Composites. <i>Journal of Materials Science and Chemical Engineering</i> , 2022, 10, 30-41.	0.4	1
2	Effect of microstructure on complex permittivity and microwave absorption properties of recycled γ -Fe ₂ O ₃ nanopowder prepared by high-energy ball milling technique. <i>Materials Express</i> , 2022, 12, 319-326.	0.5	1
3	Recent Advances in the Rejection of Endocrine-Disrupting Compounds from Water Using Membrane and Membrane Bioreactor Technologies: A Review. <i>Polymers</i> , 2021, 13, 392.	4.5	38
4	Novel PVDF-PVP Hollow Fiber Membrane Augmented with TiO ₂ Nanoparticles: Preparation, Characterization and Application for Copper Removal from Leachate. <i>Nanomaterials</i> , 2021, 11, 399.	4.1	23
5	Synthesis of Nano-Magnetite from Industrial Mill Chips for the Application of Boron Removal: Characterization and Adsorption Efficacy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1400.	2.6	11
6	Effects of Recycled Fe ₂ O ₃ Nanofiller on the Structural, Thermal, Mechanical, Dielectric, and Magnetic Properties of PTFE Matrix. <i>Polymers</i> , 2021, 13, 2332.	4.5	8
7	Contemporary Techniques for Remediating Endocrine-Disrupting Compounds in Various Water Sources: Advances in Treatment Methods and Their Limitations. <i>Polymers</i> , 2021, 13, 3229.	4.5	17
8	An Insight into a Sustainable Removal of Bisphenol A from Aqueous Solution by Novel Palm Kernel Shell Magnetically Induced Biochar: Synthesis, Characterization, Kinetic, and Thermodynamic Studies. <i>Polymers</i> , 2021, 13, 3781.	4.5	17
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	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
12	The Effect of MWCNTs Filler on the Absorbing Properties of OPEFB/PLA Composites Using Microstrip Line at Microwave Frequency. <i>Materials</i> , 2020, 13, 4581.	2.9	5
13	Complex Permittivity and Electromagnetic Interference Shielding Effectiveness of OPEFB Fiber-Polylactic Acid Filled with Reduced Graphene Oxide. <i>Materials</i> , 2020, 13, 4602.	2.9	7
14	Experimental and computational study on epoxy resin reinforced with micro-sized OPEFB using rectangular waveguide and finite element method. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 752-758.	1.4	9
15	Complex permittivity and power loss characteristics of γ -Fe ₂ O ₃ /polycaprolactone (PCL) nanocomposites: effect of recycled γ -Fe ₂ O ₃ nanofiller. <i>Heliyon</i> , 2020, 6, e05595.	3.2	12
16	Utilization of Nano-TiO ₂ as an Influential Additive for Complementing Separation Performance of a Hybrid PVDF-PVP Hollow Fiber: Boron Removal from Leachate. <i>Polymers</i> , 2020, 12, 2511.	4.5	10
17	Influence of aluminum substitution on microstructural, electrical, dielectric, and electromagnetic properties of sol-gel synthesized yttrium iron garnet (YIG). <i>AIP Advances</i> , 2020, 10, .	1.3	11
18	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

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19	Analysis of thermal and electrical conductivity properties of Al substitution $\text{LiHf}_2(\text{PO}_4)_3$ chemical solid electrolyte. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	1
20	An investigation of microstructural, magnetic and microwave absorption properties of multi-walled carbon nanotubes/ $\text{Ni}_0.5\text{Zn}_0.5\text{Fe}_2\text{O}_4$. <i>Scientific Reports</i> , 2019, 9, 15523.	3.3	29
21	Magnetic phase transition of mechanically alloyed single sample $\text{Co}_0.5\text{Ni}_0.5\text{Fe}_2\text{O}_4$. <i>Results in Physics</i> , 2019, 15, 102683.	4.1	4
22	Structural transformations of mechanically alloyed polycrystalline YMnO_3 -based material for gas sensing application. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 1009-1020.	1.9	0
23	Complex Permittivity and Microwave Absorption Properties of OPEFB Fiber- Polycaprolactone Composites Filled with Recycled Hematite (Fe_2O_3) Nanoparticles. <i>Polymers</i> , 2019, 11, 918.	4.5	10
24	Enhancement of Complex Permittivity and Attenuation Properties of Recycled Hematite (Fe_2O_3) Using Nanoparticles Prepared via Ball Milling Technique. <i>Materials</i> , 2019, 12, 1696.	2.9	10
25	Calcium-Substituted $\text{Y}_3\text{Ba}_5\text{Cu}_8\text{O}_{18}$ Ceramics Synthesized via Thermal Treatment Method: Structural and Superconducting Properties. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1875-1883.	1.8	8
26	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
27	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
28	Structural, electrical conductivity and dielectric relaxation behavior of $\text{LiHf}_2(\text{PO}_4)_3$ ceramic powders. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 307-316.	1.9	18
29	Structural and magnetic properties of yttrium aluminum iron garnet (YAlG) nanoferrite prepared via auto-combustion sol-gel synthesis. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 55-63.	1.9	16
30	Effect of Ratio in Ammonium Nitrate on the Structural, Microstructural, Magnetic, and AC Conductivity Properties of $\text{BaFe}_{12}\text{O}_{19}$. <i>Materials</i> , 2018, 11, 2190.	2.9	10
31	Influence of pH Adjustment Parameter for Sol-Gel Modification on Structural, Microstructure, and Magnetic Properties of Nanocrystalline Strontium Ferrite. <i>Nanoscale Research Letters</i> , 2018, 13, 160.	5.7	15
32	Microstructure and superconducting properties of Ca substituted $\text{Y}(\text{Ba}_{1-x}\text{Ca}_x)_2\text{Cu}_3\text{O}_{7-\delta}$ ceramics prepared by thermal treatment method. <i>Results in Physics</i> , 2017, 7, 407-412.	4.1	21
33	Enhancing absorption properties of Mg-Ti substituted barium hexaferrite nanocomposite through the addition of MWCNT. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8429-8436.	2.2	13
34	Structural and superconducting properties of $\text{Y}(\text{Ba}_{1-x})_2\text{Cu}_3\text{O}_{7-\delta}$ ceramics. <i>Ceramics International</i> , 2017, 43, 11339-11344.	4.8	11
35	Influence of Pr doping on the thermal, structural and optical properties of novel SLS-ZnO glasses for red phosphor. <i>Results in Physics</i> , 2017, 7, 1202-1206.	4.1	13
36	Structural and magnetic properties of yttrium iron garnet (YIG) and yttrium aluminum iron garnet (YAlG) nanoferrite via sol-gel synthesis. <i>Results in Physics</i> , 2017, 7, 1135-1142.	4.1	79

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37	Effect of PVP as a capping agent in single reaction synthesis of nanocomposite soft/hard ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 428, 219-222.	2.3	20
38	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
39	Magnetic Properties and Microstructures of Cobalt Substituted Barium Hexaferrites Derived from Steel Waste Product via Mechanical Alloying Technique. Materials Science Forum, 2016, 846, 388-394.	0.3	4
40	Electrical conductivity and dielectric studies of MnO ₂ doped V ₂ O ₅ . Results in Physics, 2016, 6, 420-427.	4.1	17
41	Sintering behavior, ac conductivity and dielectric relaxation of Li _{1.3} Ti _{1.7} Al _{0.3} (PO ₄) ₃ NASICON compound. Results in Physics, 2016, 6, 719-725.	4.1	51
42	Dielectric behavior of $\hat{\gamma}$ -SiC nanopowders in air between 30 and 400°C. Journal of Materials Science: Materials in Electronics, 2016, 27, 6623-6629.	2.2	2
43	Influence of indium substitution and microstructure changes on the magnetic properties evolution of Y ₃ Fe _{5-x} In _x O ₁₂ (x=0.0-0.4). Journal of Materials Science: Materials in Electronics, 2015, 26, 3596-3609.	2.2	12
44	Morphology and dielectric properties of single sample Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles prepared via mechanical alloying. Journal of Advanced Ceramics, 2014, 3, 306-316.	17.4	16
45	Magnetic Phase-Transition Dependence on Nano-to-Micron Grain-Size Microstructural Changes of Mechanically Alloyed and Sintered Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ . Journal of Superconductivity and Novel Magnetism, 2014, 27, 1451-1462.	1.8	12
46	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
47	EFFECT OF MILLING TIME ON THE PARTICLES SIZE AND MICROSTRUCTURE OF MILLSCALE DERIVED BaFe ₁₂ O ₁₉ . , 2002, , .		0
48	Study the Iron Environments of the Steel Waste Product and its Possible Potential Applications in Ferrites. Advanced Materials Research, 0, 1109, 295-299.	0.3	15
49	Effect of Variation Sintering Temperature on Magnetic Permeability and Grain Sizes of Y ₃ Fe ₅ O ₁₂ via Mechanical Alloying Technique. Materials Science Forum, 0, 846, 395-402.	0.3	10
50	Preparation and Characterization of Sr _{1-x} Nd _x Fe ₁₂ O ₁₉ Derived from Steel-Waste Product via Mechanical Alloying. Materials Science Forum, 0, 846, 403-409.		9
51	Effects of Calcination Temperature on Microstructure and Superconducting Properties of Y ₁₂₃ Ceramic Prepared Using Thermal Treatment Method. Solid State Phenomena, 0, 268, 325-329.	0.3	5
52	Sintering Temperature Effect on Microstructure and Magnetic Evolution Properties with Nano- and Micrometer Grain Size in Ferrite Polycrystals. , 0, , .		1
53	Dependence of pH Variation on the Structural, Morphological, and Magnetic Properties of Sol-Gel Synthesized Strontium Ferrite Nanoparticles. , 0, , .		1
54	Removal of Copper Ions from Aqueous Solution Using Waste Mill Scales. Solid State Phenomena, 0, 307, 247-251.	0.3	0

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55	Electrospun ZnFe ₂ O ₄ /Al: ZnFe ₂ O ₄ nanofibers for degradation of RhB via visible light photocatalysis and photo-Fenton processes. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	2