

# Fadzidah Mohd Idris

## List of Publications by Year in descending order

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25  
papers

462  
citations

1040056

9  
h-index

713466

21  
g-index

26  
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26  
docs citations

26  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of microstructural evolution from nano to micron grain size regime towards structural, magnetic, electrical and microwave properties of gadolinium iron garnet (Gd <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> ). Journal of Materials Science: Materials in Electronics, 2021, 32, 10160-10179.	2.2	4
2	Influence of different BFO filler content on microwave absorption performances in BiFeO <sub>3</sub> /epoxy resin composites. Ceramics International, 2020, 46, 737-746.	4.8	45
3	A Study on Microwave Absorption Properties of Carbon Black and Ni <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> Nanocomposites by Tuning the Matching-Absorbing Layer Structures. Scientific Reports, 2020, 10, 3135.	3.3	64
4	Comparative study of single- and double-layer BaFe <sub>12</sub> O <sub>19</sub> -Graphite nanocomposites for electromagnetic wave absorber applications. Materials Research Bulletin, 2020, 126, 110843.	5.2	15
5	Electromagnetic wave absorbing characteristics of C/Co-Mn and C/Co-Zn doped barium hexaferrite sandwiched nanocomposites. International Journal of Nanotechnology, 2020, 17, 757.	0.2	2
6	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
7	Magnetic phase transition of mechanically alloyed single sample Co <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> . Results in Physics, 2019, 15, 102683.	4.1	4
8	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
9	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
10	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
11	Effects of crystalline phase formation of multiferroic BiFeO <sub>3</sub> on microwave absorption characteristics. Journal of Materials Science: Materials in Electronics, 2018, 29, 13229-13240.	2.2	11
12	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
13	Influence of Microstructural Evolution on the Magnetically Group Dominance in Polycrystalline Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> Multi-Samples. Materials Science Forum, 2016, 846, 366-374.	0.3	4
14	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
15	Characterization of Ni <sub>x</sub> Zn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> and Permittivity of Solid Material of NiO, ZnO, Fe <sub>2</sub> O <sub>3</sub> , and Ni <sub>x</sub> Zn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> at Microwave Frequency Using Open Ended Coaxial Probe. International Journal of Microwave Science and Technology, 2015, 2015, 1-8.	0.6	10
16	A comparative study of different sintering routes effects on evolving microstructure and B-H magnetic hysteresis in mechanically-alloyed Ni-Zn ferrite, Ni <sub>0.3</sub> Zn <sub>0.7</sub> Fe <sub>2</sub> O <sub>4</sub> . Journal of Materials Science: Materials in Electronics, 2015, 26, 59-65.	2.2	8
17	Development of Magnetic B-H Hysteresis Loops Through Stages of Microstructure Evolution of Bulk BaFe <sub>12</sub> O <sub>19</sub> . Journal of Superconductivity and Novel Magnetism, 2015, 28, 3075-3086.	1.8	9
18	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

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19	Influence of indium substitution and microstructure changes on the magnetic properties evolution of $Y_3Fe_5\hat{x}In_xO_{12}$ ( $x=0.0\hat{0}.4$ ). Journal of Materials Science: Materials in Electronics, 2015, 26, 3596-3609.	2.2	12
20	Evolving microstructure, magnetic properties and phase transition in a mechanically alloyed $Ni_{0.5}Zn_{0.5}Fe_2O_4$ single sample. Journal of Magnetism and Magnetic Materials, 2014, 351, 16-24.	2.3	7
21	Grouping trends of magnetic permeability components in their parallel evolution with microstructure in $Ni_{0.3}Zn_{0.7}Fe_2O_4$ . Journal of Magnetism and Magnetic Materials, 2014, 355, 265-275.	2.3	17
22	Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. IEEE Transactions on Magnetics, 2013, 49, 5475-5479.	2.1	9
23	Crystallinity and magnetic properties dependence on sintering temperature and soaking time of mechanically alloyed nanometer-grain $Ni_{0.5}Zn_{0.5}Fe_2O_4$ . Journal of Magnetism and Magnetic Materials, 2013, 333, 100-107.	2.3	19
24	Microwave Absorption Characteristics of some Ferrite-Filled Polymer Composites. Advanced Materials Research, 0, 895, 298-304.	0.3	1
25	Influence of Parallel Evolving Microstructure on Thermal Diffusivity in Strontium Titanate. Materials Science Forum, 0, 846, 416-425.	0.3	1