

Erfan Handoko

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

252
citations

933447

10
h-index

1058476

14
g-index

40
all docs

40
docs citations

40
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and evaluation of granular simulation for integrating computational thinking into computational physics courses. <i>Education and Information Technologies</i> , 2022, 27, 2585-2612.	5.7	2
2	Improved microwave absorption traits of coconut shells-derived activated carbon. <i>Diamond and Related Materials</i> , 2022, 126, 109059.	3.9	10
3	Application of laser-induced plasma spectroscopy to detect contaminants in food. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
4	Microwave absorbing properties of teflon coating for x-band frequencies. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
5	Natural magnetite characterization from beach sand prepared by using planetary ball milling. <i>Journal of Physics: Conference Series</i> , 2021, 1825, 012070.	0.4	0
6	Microwave absorbing characteristics of Fe ₃ O ₄ @SiO ₂ core-shell polyaniline-based composites. <i>Materials Research Express</i> , 2021, 8, 046101.	1.6	10
7	Microwave absorption performance of barium hexaferrite multi-nanolayers. <i>Materials Express</i> , 2020, 10, 1328-1336.	0.5	15
8	Carbon Extraction from Rice Husk and its Application as a Microwave Adsorbent. <i>Key Engineering Materials</i> , 2020, 860, 178-184.	0.4	0
9	Neodymium ions activated barium ferrite composites for microwave X-band absorber applications: Synthesis and characterizations. <i>Composites Communications</i> , 2020, 19, 51-55.	6.3	14
10	Fabrication and characterization of silica/Fe _{2.18} Zn _{0.82} O ₄ nanocomposites. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
11	Bio-silica incorporated barium ferrite composites: Evaluation of structure, morphology, magnetic and microwave absorption traits. <i>Current Applied Physics</i> , 2020, 20, 638-642.	2.4	13
12	The effect of Al Element on Electrochemical Impedance of ZnO Thin Films. <i>Journal of Physics: Conference Series</i> , 2020, 1428, 012033.	0.4	2
13	Cluster Evolution from Ultrafast Laser Irradiation of Gold Nanoparticle: A Molecular Dynamics Study. <i>Journal of Physics: Conference Series</i> , 2020, 1428, 012004.	0.4	0
14	Multi-Wideband Band Pass Filter Using Quad Cross-Stub Stepped Impedance Resonator. <i>Journal of Computational and Theoretical Nanoscience</i> , 2020, 17, 3184-3189.	0.4	1
15	Complex Permittivity, Permeability and Microwave Absorption Studies of Double Layer Magnetic Absorbers Based on BaFe ₁₂ O ₁₉ and BaFe ₁₀ CoZn ₁₉ . <i>Materials Science Forum</i> , 2019, 966, 302-307.	0.3	4
16	Enhanced Microwave Absorbing Capabilities of Multilayer Absorbers Based on BaFe ₁₂ O ₁₉ and Fe ₃ O ₄ . <i>Materials Science Forum</i> , 2019, 966, 338-343.	0.3	4
17	Synthesis of nano-hematite (Fe ₂ O ₃) extracted from natural iron ore prepared by mechanical alloying method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
18	Investigation of Structural and Antifungal Behaviors of Nano-Sized Anatase Titanium Dioxide Synthesized by Co-Precipitation Route. <i>Materials Science Forum</i> , 2019, 966, 181-188.	0.3	3

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19	Effects of adding TEOS for Upr/core-Shell Fe ₃ O ₄ @SiO ₂ composites nanoparticle from iron sand as microwave absorption materials. AIP Conference Proceedings, 2019, , .	0.4	2
20	The Effect of Freezing-Thawing Route Number on Magnetic Properties and Nanostructural of Fe ₃ O ₄ / Carboxymethyl Cellulose/Polyvinyl Alcohol Magnetic Hydrogel. Materials Science Forum, 2019, 966, 344-351.	0.3	0
21	Magnetic and structural properties of M-type barium hexaferrites films with transition metal substitutions. Current Applied Physics, 2019, 19, 285-290.	2.4	1
22	Morphological, structural, and optical properties of Co-doped ZnO NPs prepared by precipitation method. Journal of Ceramic Processing Research, 2019, 20, 518-521.	0.4	1
23	Structure and magnetic properties of Co-Zn substituted hexagonal ferrites. MATEC Web of Conferences, 2018, 197, 02007.	0.2	2
24	The influence of Cu doped on structure and mechanical properties of aluminium material. MATEC Web of Conferences, 2018, 197, 02009.	0.2	0
25	Effect of nanostructure Ni on the sorption properties of mechanical milled MgH ₂ for solid hydrogen storage materials. MATEC Web of Conferences, 2018, 197, 02014.	0.2	16
26	Structural change of aluminum thin film in the temperature range from 300 K to 1000 K. MATEC Web of Conferences, 2018, 197, 02016.	0.2	8
27	Laser induced ablation of aluminum nanoparticle: a molecular dynamics study. MATEC Web of Conferences, 2018, 197, 04004.	0.2	6
28	Effects of sintering temperature on structure, magnetic and dielectric properties of La _{0.5} Sr _{0.5} Fe _{0.9} Mn _{0.05} Ti _{0.05} O ₃ material. MATEC Web of Conferences, 2018, 197, 02008.	0.2	0
29	Effect of different permeability on electromagnetic properties of absorbing materials. MATEC Web of Conferences, 2018, 197, 02015.	0.2	3
30	Synthesis of La _{1-x} CaxMnO ₃ (x = 0 and 0.2) through ultrasonic mixing and its characterisation. MATEC Web of Conferences, 2018, 197, 02010.	0.2	0
31	Multiband Optically Transparent Antenna from Indium Zinc Tin Oxide Thin Films with Half-Circular Shaped. , 2018, , .		1
32	Structure and electrical properties of polymer electrolyte membrane for fuel cell application. MATEC Web of Conferences, 2018, 197, 04003.	0.2	2
33	Double Layer Microwave Absorption Characteristics of Barium Hexaferrite/Silica Composite for X-Band Frequencies. Materials Science Forum, 2018, 929, 109-115.	0.3	15
34	Magnetic and microwave absorbing properties of BaFe ₁₂ ~ ^{2x} /sub>Co_xZn_xO₁₉ (x = 0.0; 0.2; 0.4; 0.6) nanocrystalline. Materials Research Express, 2018, 5, 064003.	1.6	24
35	The use of Silica from beach sand as catalyst in Magnesium based hydrides for Hydrogen storage materials. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012093.	0.3	7
36	MgH ₂ -SiC based hydrogen storage material prepared by reactive mechanical alloying method. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012098.	0.3	17

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37	The use of nano-silicon carbide and nickel as catalyst in magnesium hydrides (MgH ₂) for hydrogen storage material application. Materials Research Express, 2018, 5, 064002.	1.6	24
38	The role of nano-Ni catalyst in MgH ₂ obtained by reactive mechanical milling method for solid hydrogen storage application. AIP Conference Proceedings, 2017, , .	0.4	13
39	Microwave absorbing studies of magnetic materials for X-band frequencies. , 2017, , .		4
40	Measurement of complex permittivity and permeability of hexagonal ferrite composite material using a waveguide in microwave band. , 2016, , .		19