

Markus Diantoro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

580
citations

10
h-index

19
g-index

120
ext. papers

747
ext. citations

0.9
avg, IF

4.06
L-index

#	Paper	IF	Citations
100	Colossal dielectric constant up to gigahertz at room temperature. <i>Applied Physics Letters</i> , 2009 , 94, 12290-3	3.3	153
99	Review of CIGS-based solar cells manufacturing by structural engineering. <i>Solar Energy</i> , 2020 , 207, 1146-1157	4.857	47
98	Study on Photocatalytic Properties of TiO ₂ Nanoparticle in various pH condition. <i>Journal of Physics: Conference Series</i> , 2018 , 1011, 012069	0.3	24
97	Preparation of PVA/TiO ₂ Composites Nanofibers by using Electrospinning Method for Photocatalytic Degradation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012011	0.4	18
96	Shockley-Queisser Equation Fit Analyses for Solar Cell Parameters from I-V Curves. <i>International Journal of Photoenergy</i> , 2018 , 2018, 1-7	2.1	17
95	Preparation of MWCNT-Fe ₃ O ₄ Nanocomposites from Iron Sand Using Sonochemical Route. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012013	0.4	13
94	THE EFFECT OF NANO ZnO MORPHOLOGY ON STRUCTURE, DIELECTRIC CONSTANT, AND DISSIPATION FACTOR OF CA-NANO ZnO/ITO FILMS 2018 , 10, 65		12
93	Synthesis, Investigation on Structural and Magnetic Behaviors of Spinel M-Ferrite [M = Fe; Zn; Mn] Nanoparticles from Iron Sand. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012052	0.4	11
92	Nanoarchitected titanium complexes for thermal mitigation in thermoelectric materials. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 101, 346-360	16.2	11
91	Modification of Electrical Properties of Silver Nanoparticle 2018 ,		11
90	The Effect of Annealing Temperature of ZnO Compact Layer and TiO ₂ Mesoporous on Photo-Supercapacitor Performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012006	0.4	9
89	The Influence of SnO ₂ Nanoparticles on Electrical Conductivity, and Transmittance of PANI-SnO ₂ Films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012034	0.4	9
88	Performance of Pterocarpus Indicus Willd Leaf Extract as Natural Dye TiO ₂ -Dye/ITO DSSC. <i>Materials Today: Proceedings</i> , 2019 , 17, 1268-1276	1.4	8
87	The Effect of Light Irradiation on Performance of Photo-Supercapacitor of FTO/TiO ₂ -ZnO-□ Carotene-Quercetin/Carbon/Al/PVDF-BaTiO ₃ /Al. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012077	0.4	8
86	Effect of TiO ₂ Nanoparticles on Conductivity and Thermal Stability of PANI-TiO ₂ /Glass Composite Film. <i>Journal of Physics: Conference Series</i> , 2018 , 1011, 012065	0.3	8
85	The Effect of Thickness of ZnO Thin Films on Hydrophobic Self-Cleaning Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012006	0.4	7
84	Synthesis of silver nanoparticles by chemical reduction at various fraction of MSA and their structure characterization 2014 ,		7

83	Different roles of anisotropy and disorder on the vortex matter of Bi ₂ Sr ₂ CaCu ₂ O ₈ +δ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 479-482	1.3	7
82	Material for resistive barriers in Bi-2223/Ag tapes. <i>Superconductor Science and Technology</i> , 2001 , 14, 966-972	1.3	7
81	Preparation of PVA/Chitosan/TiO ₂ nanofibers using electrospinning method 2016 ,		7
80	Fabrication of Magnetite Nanoparticles Dispersed in Olive Oil and Their Structural and Magnetic Investigations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012008	0.4	6
79	Fishtail effect and the superconducting phase diagram of La _{1.6} Nd _{0.4} Sr _x CuO ₄ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 541-545	1.3	6
78	Excellent antimicrobial performance of co-doped magnetite double-layered ferrofluids fabricated from natural sand. <i>Journal of King Saud University - Science</i> , 2020 , 32, 3032-3038	3.6	6
77	Synthesis and characterization of highly purified nanosilica from pyrophyllite ores 2016 ,		6
76	Electrical conductivity modification using silver nano particles of Jatropha Multifida L. and Pterocarpus Indicus w. extracts films 2016 ,		6
75	Fabrication of Aligned PAN/TiO ₂ Fiber using Electric Electrospinning (EES). <i>Materials Today: Proceedings</i> , 2019 , 13, 211-216	1.4	5
74	The improvement of Triboelectric effect of ZnO Nanorods/PAN in flexible Nanogenerator by adding TiO ₂ nanoparticle. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	5
73	Photoelectrochemical Performance of ZnO Nanorods Grown on Stainless Steel Substrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012023	0.4	5
72	Microstructure and dielectric properties of cellulose acetate-ZnO/ITO composite films based on water hyacinth. <i>Journal of Physics: Conference Series</i> , 2017 , 853, 012047	0.3	5
71	Crystallinity and Electrical Conductivity of PANI-Ag/Ni Film: The Role of Ultrasonic and Silver Doped. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012005	0.4	5
70	AC loss and critical current density in Bi-2223 tapes with oxide additives and reinforced Ag sheaths. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 1143-1147	1.3	5
69	Doping and field effects on the lowest Kramers doublet splitting in La _{1.6} Nd _{0.4} Sr _x CuO ₄ single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 207-212	1.3	5
68	Pinning mechanisms in Bi-2223 tapes with reinforced Ag sheath and oxide additives in the core. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 1182-1185	1.3	5
67	Effect of ZnO and Annealing on the Hydrophobic Performance of x(ZnO)-CA-PLA. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012003	0.3	5
66	Stabilization of PVA/Chitosan/TiO ₂ Nanofiber Membrane with Heat Treatment and Glutaraldehyde Crosslink. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012004	0.4	5

65	Control of Dielectric Constant and Anti-Bacterial Activity of PVA-PEG/x-SnO ₂ Nanofiber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012012	0.4	5
64	The Effect of Time Deposition of PAN/TiO ₂ Electrospun on Photocurrent Performance of Dye-Sensitized Solar Cell. <i>Materials Today: Proceedings</i> , 2019 , 13, 175-180	1.4	4
63	Effect of Blend Ratio on Morphology and Swelling Properties of PVA/Chitosan Nanofibers. <i>Materials Science Forum</i> , 2017 , 901, 79-84	0.4	4
62	Fabrication of CuAl _{1-x} M _x O ₂ (M = Fe, Cr)/Ni film delafossite compounds using spin coating and their microstructure and dielectric constant 2014 ,		4
61	Single crystal growth of T*-phase SmLa _{0.8} Sr _{0.2} CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 363, 25-30	1.3	4
60	Influence of Problem Based Learning Learning Model on Student Creative Thinking on Elasticity Topics A Material. <i>Jurnal Pendidikan Fisika Indonesia</i> , 2018 , 14, 32-39	1.5	4
59	Synthesis and photocatalytic properties of Fe ₃ O ₄ @TiO ₂ core-shell for degradation of Rhodamine B 2016 ,		4
58	ZnO-FC-NiCo MOF for prospective supercapacitor materials. <i>Materials Today: Proceedings</i> , 2021 , 44, 3385-3389	4	
57	The Effect of ZnO Nanorods Morphology on Electrical Properties of Perovskite Solar Cells. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012028	0.3	4
56	The Effect of PANI Fraction on Photo Anode Based on TiO ₂ -PANI /ITO DSSC with β -Carotene as Dye Sensitizer on its Structure, Absorbance, and Efficiency. <i>Materials Today: Proceedings</i> , 2019 , 17, 1197-1209	1.4	3
55	Manganese Oxide and Temperature Induced on Microstructure and Electrical Properties of Graphene-(Mn ₂ O ₃) _x -ZnO/Ni Foam. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012097	0.4	3
54	The Effect of Spin Coating Rotation on the Optoelectronic Properties of PANI/TiO ₂ /FTO-Glass Photoanode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012084	0.4	3
53	Deformation of Ferrogel Based on Carboxyl Methyl Cellulose (CMC)/Polyvinyl Alcohol (PVA) Hydrogel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012016	0.4	3
52	The influence of iron- and copper- doped of PANi thin film on their structure and dielectric properties 2012 ,		3
51	Variation of vortex structure characteristics of Bi-2223/Ag superconducting tapes with respect to applied magnetic field direction. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 396-401	1.3	3
50	Dielectric Properties of Dirt Sugarcane Sediment (DSS) Extract-BaTiO ₃ for Organic Supercapacitors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012062	0.4	3
49	Effect of SnO ₂ Nanoparticles on Band Gap Energy of x(SnO ₂)-y(Ag)- β -Carotene/FTO Thin Film. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012049	0.3	3
48	Magnetic susceptibility and element composition mangrove sediments in Malang, East Java 2017 ,		2

47	Electrical Properties of Tetrahedrite CuS based Thermoelectric Material. <i>Materials Today: Proceedings</i> , 2019 , 13, 13-17	1.4	2
46	Preparation and Characterization of Magnetite Nanoparticles Combined with Polyaniline and Activated Carbon. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 276, 012041	0.3	2
45	Electron Diffusion Model Based on I-V Data Fitting as the Calculation Method for DSSC Internal Parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012016	0.4	2
44	Study of Nanostructural, Electrical, and Optical Properties of Mn _{0.6} Fe _{2.4} O ₄ /PVP/PVA Ferrogels for Optoelectronic Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 4278-4288	3.2	2
43	Preparation, Structural and Dielectric Behaviors of Co _x Mn _{1-x} Mn ₂ O ₄ (0 ≤ x ≤ 1) Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012050	0.4	2
42	Synthesis and Crystal Structure Analysis of LiNi _{0.5} Co _{0.5} P _{1-x} O ₄ /C as a Cathode Material for the Lithium-ion Batteries Application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012043	0.4	2
41	Synthesis and characterization of TiO ₂ /ZnO-Ag@TiO ₂ nanocomposite and their performance as photoanode of organic Dye-Sensitized Solar Cell. <i>Materials Today: Proceedings</i> , 2021 , 44, 3395-3399	1.4	2
40	Dielectric Properties of TiO ₂ Nanoparticles Doped Flavonoid Extract of Pterocarpus Indicus Willd (PIW) Latex. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012042	0.3	2
39	Dielectric properties and bioactivity of PVA/PEG/TiO ₂ fibers for capacitive based body sensor. <i>Journal of Physics: Conference Series</i> , 2018 , 1040, 012045	0.3	2
38	Synthesis and Structural Analysis of Silicon Carbide from Silica Rice Husk and Activated Carbon Using Solid-State Reaction. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012033	0.3	2
37	Synthesis and characterization of CIGS ink by hot injection method 2020 ,		1
36	Using argument-driven inquiry learning to improve students' mental models 2020 ,		1
35	The Role of Fe ₂ O ₃ and Light Induced on Dielectric Properties of Borosilicate Glass. <i>Journal of Physics: Conference Series</i> , 2017 , 846, 012007	0.3	1
34	Optimization of Freezing-Thawing Process in Enhancing Magnetic Properties of Fe ₃ O ₄ /PAA/PVA Magnetic Hydrogel Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012007	0.4	1
33	Temperature-Induced on the Phase Formation and Its Microstructure of LiNiPO ₄ /C Cathode Materials for Lithium-Ion Batteries. <i>Materials Today: Proceedings</i> , 2019 , 13, 241-245	1.4	1
32	Fabrication of Silver Nanoparticles and its Films and their Characterization of Structure and Electrical Conductivity. <i>Advanced Materials Research</i> , 2014 , 896, 341-346	0.5	1
31	Preparation of Superparamagnetic Zn _{0.5} Mn _{0.5} Fe ₂ O ₄ Particle by Coprecipitation-Sonochemical Method for Radar Absorbing Material. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012024	0.4	1
30	The effect of Cr ₂ O ₃ doping on structures and dielectric constants of SiO ₂ -Bi ₂ O ₃ -B ₂ O ₃ -Na ₂ CO ₃ glass based on silica gel of natural sand. <i>Journal of Physics: Conference Series</i> , 2017 , 853, 012045	0.3	1

29	Effect of Fe ₃ O ₄ on the Electro-Optic and Magneto-Electric Characteristics of (PANI/Fe ₃ O ₄)-Ag Film. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012062	0.4	1
28	Effect of Intermediate Melt-Solidification Process on the Transport Property of 2223-BPSCCO/Ag Tape 2000 , 679-681		1
27	Enhancing photocatalytic performance by sonication and surfactant addition on the synthesis process of PVA/TiO ₂ nanofibers membranes by electrospinning method 2020 ,		1
26	Building conceptual understanding of students on laws of Newton through argument-driven inquiry 2021 ,		1
25	Structural, morphological, optical, and electrical properties of TiO ₂ /ZnO rods multilayer films as photoanode on dye-sensitized solar cells. <i>Journal of Physics: Conference Series</i> , 2021 , 1816, 012095	0.3	1
24	New simple synthesis, crystal system and physical properties of ZnS ₂ compound. <i>Journal of Physics: Conference Series</i> , 2018 , 1040, 012046	0.3	1
23	Microstructure and Electroconductivity using Silver Nano Particles of Pterocarpus Indicus W. Leaf Extracts Films. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012016	0.3	1
22	Synthesis and Bioactivity of TiO ₂ /PPy Micelle with Pachyrhizus erosus Extract as UV Absorbent Material. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012023	0.3	1
21	Band Gap Shift and Electrical Conductivity of (Ag-xSnO ₂)NPs-β-Carotene Thin Film. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012032	0.3	1
20	Fabrication of PANI/Ag/AgCl/ITO-PET Flexible Film and Its Crystallinity and Electrical Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012019	0.4	1
19	Fabrication of New Fe ₃ O ₄ /PVA/(C ₆ H ₇ O ₆ Na) _n Nanohybrid Ferrogels for Antibacterial Applications. <i>Materials Research</i> , 2021 , 24,	1.5	1
18	The influence of light intensity on the performance of FTO/TiO ₂ -ZnO-β-carotene-quercetin/carbon/Al/PVDF-BaTiO ₃ /Al photosupercapacitors. <i>Materials Today: Proceedings</i> , 2021 , 44, 3390-3394	1.4	1
17	The effect of spincoating speed on ZnONR microstructure and its potential of ZnONR/Aluminum foil electrodes symmetric supercapacitors. <i>Journal of Physics: Conference Series</i> , 2020 , 1595, 012001	0.3	0
16	Ag nanoparticles effect on BaTiO ₃ -Graphite-AC/Aluminum foil symmetric supercapacitor. <i>Journal of Physics: Conference Series</i> , 2020 , 1595, 012009	0.3	0
15	The effect of Ag on thermoelectric performance of Cu _{1-x} Ag _x S tetrahedrite/Al prepared using modified polyol methods. <i>Journal of Physics: Conference Series</i> , 2020 , 1572, 012071	0.3	0
14	The effect of Mn ₂ O ₃ nanoparticles on its specific capacitance of symmetric supercapacitors FC-ZnO-x(Mn ₂ O ₃). <i>Materials Today: Proceedings</i> , 2021 , 44, 3355-3360	1.4	0
13	Nanopowder and Magnetic Fluid Synthesis of Zn _{0.2} Fe _{2.8} O ₄ Particles and Their Structural and Magnetic Behaviors. <i>Journal of Physics: Conference Series</i> , 2018 , 1091, 012030	0.3	0
12	Synthesis and characterization of Ni doped Co ₄ Sb ₁₂ skutterudites for thermoelectric thin film. <i>Materials Today: Proceedings</i> , 2021 , 44, 3277-3281	1.4	0

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| 11 | Effect of NiO and Light Intensity on Dielectric Constant of SiO ₂ -B ₂ O ₃ -Bi ₂ O ₃ -Na ₂ CO ₃ Glass Based on Silica Gel of Natural Sands. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 202, 012056 | 0.4 |
| 10 | IoT-based Control and Monitoring for DC Motor Fed by Photovoltaic System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 588, 012017 | 0.4 |
| 9 | Geohydrology, geochemistry, geothermal potency of Rianiate Toba Lake North Sumatera. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 237, 012007 | 0.4 |
| 8 | Vortex dynamics across the second-peak field in SmLa _{0.8} Sr _{0.2} CuO ₄ <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 412-414, 490-496 | 1.3 |
| 7 | Annealing Temperature Effect of ZnO Seed Layer on Integrated Photosupercapacitor Performance. <i>Key Engineering Materials</i> , 2020 , 851, 16-24 | 0.4 |
| 6 | Performance of B-Doped SrTiO ₃ / Ni Sheet for Supercapacitor Material Application. <i>Key Engineering Materials</i> , 2020 , 851, 25-31 | 0.4 |
| 5 | Potential Induction Heating using MOSFET H-Bridge Circuit for Material Synthesis. <i>Journal of Physics: Conference Series</i> , 2018 , 1093, 012014 | 0.3 |
| 4 | Microstructure, Hardness, and Electrical Conductivity of β TCP/Zirconia Composites Prepared from Eggshell. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012017 | 0.4 |
| 3 | Preparation of SiC Fibers from Indonesian Natural Resource Prepared by Electrospinning Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 367, 012011 | 0.4 |
| 2 | Potential of nanooxidic materials and structures of photoanodes for DSSCs 2021 , 213-247 | |
| 1 | Enhance Growth Temperature ZnO Nr Photoanode DSSC for Performance of Photo-Supercapacitor via Hydrothermal. <i>Materials Science Forum</i> , 1053 , 131-136 | 0.4 |