

Miftahul Anwar

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

366
citations

1307366

7
h-index

839398

18
g-index

40
all docs

40
docs citations

40
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Electron Transport through Single Dopants in a Dopant-Rich Environment. Physical Review Letters, 2010, 105, 016803.	2.9	90
2	Atom devices based on single dopants in silicon nanostructures. Nanoscale Research Letters, 2011, 6, 479.	3.1	66
3	Observation of individual dopants in a thin silicon layer by low temperature Kelvin Probe Force Microscope. Applied Physics Letters, 2008, 93, .	1.5	61
4	Observation of discrete dopant potential and its application to Si single-electron devices. Thin Solid Films, 2010, 518, S38-S43.	0.8	25
5	Effect of electron injection into phosphorus donors in silicon-on-insulator channel observed by Kelvin probe force microscopy. Applied Physics Letters, 2011, 99, .	1.5	21
6	Effect of adhesive thickness and surface treatment on shear strength on single lap joint Al/CFRP using adhesive of epoxy/Al fine powder. AIP Conference Proceedings, 2016, , .	0.3	14
7	Single-Electron Charging in Phosphorus Donors in Silicon Observed by Low-Temperature Kelvin Probe Force Microscope. Japanese Journal of Applied Physics, 2011, 50, 08LB10.	0.8	9
8	Light-weight sandwich panel honeycomb core with hybrid carbon-glass fiber composite skin for electric vehicle application. AIP Conference Proceedings, 2016, , .	0.3	7
9	Hybrid fuzzy-PID like optimal control to reduce energy consumption. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314,rgBT /Over 0.6	0.6	14
10	Application of Carbon Fiber-Based Composite for Electric Vehicle. Advanced Materials Research, 0, 896, 574-577.	0.3	6
11	Photocatalytic Degradation of Methylene Blue Using TiO ₂ /Carbon Nanoparticles Fabricated by Electrical Arc Discharge in Liquid Medium. Advanced Materials Research, 0, 1123, 285-288.	0.3	6
12	Effect of Soaking Time in Alkali Solution on the Interfacial Shear Strength of Cantala Fiber/Recycled HDPE Composites. Materials Science Forum, 0, 827, 375-380.	0.3	6
13	Finite element analysis of electric bicycle frame geometries. AIP Conference Proceedings, 2017, , .	0.3	6
14	Submerged Electrical Arc Discharge for Nanoparticles Fabrication Using Carbon-Based Electrodes. Materials Science Forum, 2018, 939, 141-146.	0.3	6
15	Current-voltage monitoring of plasma arc discharge submerged in water for nanoparticles fabrication. AIP Conference Proceedings, 2020, , .	0.3	5
16	Magnetic Carbon Nanofibers Prepared with Ni and Ni/Graphitic Carbon Nanoparticle Catalysts for Glycine Detection Using Surface-Enhanced Raman Spectroscopy. ACS Applied Nano Materials, 2021, 4, 6594-6608.	2.4	5
17	Probing ionization characteristics of under-water plasma arc discharge using simultaneous current and voltage versus time measurement in carbon nanoparticle synthesis. Micro and Nano Engineering, 2022, 14, 100099.	1.4	4
18	Fabrication of Carbon Nanomaterial Using Arc-Discharge in Liquid Method for Battery Application. Advanced Materials Research, 0, 1123, 247-251.	0.3	3

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19	State of Charge Monitoring System of Electric Vehicle Using Fuzzy Logic. , 2018, , .		3
20	Single-Electron Charging in Phosphorus Donors in Silicon Observed by Low-Temperature Kelvin Probe Force Microscope. Japanese Journal of Applied Physics, 2011, 50, 08LB10.	0.8	3
21	Band-to-band tunneling mechanism observed at room temperature in lateral non-degenerately doped nanoscale p-n and p-i-n silicon devices. Japanese Journal of Applied Physics, 2021, 60, 024001.	0.8	2
22	An Anticorrosion Coating from Ball-milled Wood Charcoal and Titanium Dioxide using a Flame Spray Method. International Journal of Technology, 2018, 9, 983.	0.4	2
23	Si-Based Single-Dopant Atom Devices. Advanced Materials Research, 0, 222, 205-208.	0.3	1
24	Optimization of surface orientation angles to receive maximum solar radiation at Sabha city, Libya. , 2015, , .		1
25	Bifunctional catalyst of graphite-encapsulated iron compound nanoparticle for magnetic carbon nanotubes growth by chemical vapor deposition. AIP Conference Proceedings, 2017, , .	0.3	1
26	Size dependence effect of carbon-based anode material on intercalation characteristics of Li-ion battery. AIP Conference Proceedings, 2017, , .	0.3	1
27	The Modification of Carbon with Iron Oxide Synthesized in Electrolysis Using the Arc Discharge Method. IOP Conference Series: Materials Science and Engineering, 2017, 176, 012046.	0.3	1
28	Computational Fluid Dynamic Simulation on Bladeless Fan as Active Cooling Application. , 2018, , .		1
29	Performance of energy efficient V-LEACH routing protocol for wireless sensor networks. AIP Conference Proceedings, 2019, , .	0.3	1
30	The influence of discharge current to temperature distribution of lithium ion cells. AIP Conference Proceedings, 2020, , .	0.3	1
31	Investigating plasma discharge characteristics using current voltage measurement. Journal of Physics: Conference Series, 2021, 1825, 012101.	0.3	1
32	KFM Observation of Electron Charging and Discharging in Phosphorus-Doped SOI Channel. Key Engineering Materials, 2011, 470, 33-38.	0.4	0
33	Hybrid composite for crashworthy vehicle. , 2013, , .		0
34	Influence of manufacturing process on soft-magnetic properties of iron powder. , 2016, , .		0
35	Single-electron transport characteristics in double quantum dots system. AIP Conference Proceedings, 2019, , .	0.3	0
36	A Preliminary Experimental Study on an Axial Flux Permanent Magnet Generator for Regenerative Braking. , 2019, , .		0

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37	Analysis of motor power characterization and power efficiency on operation of electric car prototype. AIP Conference Proceedings, 2020, , .	0.3	0
38	Design and implementation of closed-loop controls for smart charging lithium ion battery UNS using switching technique boost converter. AIP Conference Proceedings, 2020, , .	0.3	0
39	Optimal energy control of DC-drive conveyor using LQR method. AIP Conference Proceedings, 2020, , .	0.3	0
40	Direct Formation of Titanium Carbide via In Situ Carbothermal Reduction of TiO ₂ /Carbon Cladding for Coating Application. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 779-785.	0.3	0