

Mohd Nazim Mohtar

List of Publications by Year in descending order

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38
papers

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citations

1040056

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38
all docs

38
docs citations

38
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Suitability of Palm Based Oil as Dielectric Insulating Fluid in Transformers. Journal of Electrical Engineering and Technology, 2014, 9, 662-669.	2.0	53
2	Methods and Applications of Electrical Conductivity Enhancement of Materials Using Carbon Nanotubes. Journal of Electronic Materials, 2021, 50, 3207-3221.	2.2	27
3	Synthesis and Conductivity Studies of Poly(Methyl Methacrylate) (PMMA) by Co-Polymerization and Blending with Polyaniline (PANi). Polymers, 2021, 13, 1939.	4.5	20
4	Mild nitric acid treatments to improve multi-walled carbon nanotubes dispersity and solubility in dielectrophoresis mediums. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 832-839.	2.1	16
5	The role of medium on the assembly of carbon nanotube by dielectrophoresis. Journal of Dispersion Science and Technology, 2020, 41, 1576-1587.	2.4	15
6	The role of the AC signal on the dielectrophoretic assembly of carbon nanotubes across indium tin oxide electrodes. Microelectronic Engineering, 2021, 247, 111597.	2.4	15
7	Characterization and selective deposition of carbon nanotubes from carbon nanoparticles mixture using mild acid treatment and electrokinetic manipulation. Materials Research Express, 2021, 8, 055603.	1.6	12
8	Assembly of long carbon nanotube bridges across transparent electrodes using novel thickness-controlled dielectrophoresis. Electrophoresis, 2022, 43, 487-494.	2.4	12
9	Investigation on the AC breakdown voltage of RBDPO Olein. , 2014, , .		11
10	Factors affecting particle collection by electroosmosis in microfluidic systems. Electrophoresis, 2014, 35, 345-351.	2.4	11
11	pH-Sensing Characteristics of Multi-Walled Carbon Nanotube Assembled Across Transparent Electrodes With Dielectrophoresis. IEEE Sensors Journal, 2021, 21, 26594-26601.	4.7	9
12	Comprehensive review on the application of inorganic and organic photovoltaics as greenhouse shading materials. Sustainable Energy Technologies and Assessments, 2022, 52, 102077.	2.7	8
13	Optimization of Surfactant Concentration in Carbon Nanotube Solutions for Dielectrophoretic Ceiling Assembly and Alignment: Implications for Transparent Electronics. ACS Omega, 2022, 7, 3680-3688.	3.5	7
14	The role of the electrode geometry on the dielectrophoretic assembly of multi-walled carbon nanotube bundles from aqueous solution. Journal of Electrostatics, 2022, 116, 103694.	1.9	7
15	Evolution of solution-based organic thin-film transistor for healthcare monitoring from device to circuit integration: A review. AEJ - Alexandria Engineering Journal, 2022, 61, 11405-11431.	6.4	7
16	Synthetic graphite production of oil palm trunk chip at various heating rate via pyrolysis process. Materials Today: Proceedings, 2019, 16, 2088-2095.	1.8	6
17	Airflow-assisted dielectrophoresis to reduce the resistance mismatch in carbon nanotube-based temperature sensors. RSC Advances, 2021, 11, 39311-39318.	3.6	6
18	Variation in the Optical Properties of Carbon Dots Fabricated by a Green and Facile Strategy for Solar-Blind UV Detection. Journal of Physical Chemistry C, 2022, 126, 5711-5721.	3.1	6

#	ARTICLE	IF	CITATIONS
19	An enhanced solar-blind ultraviolet photodetector based on polyvinyl alcohol/carbon nanodots film. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
20	Development of Signal Generator for Lab on a Chip Application. , 2018, , .		4
21	Microdroplet electrowetting actuation on flexible paper-based lab on a chip. Results in Physics, 2018, 11, 847-852.	4.1	4
22	Carbon nanotube collections by electro-osmosis in microfluidic systems. AIP Conference Proceedings, 2020, , .	0.4	4
23	Characterization and conductivity of graphene oxide (GO) dispersion in different solvents. AIP Conference Proceedings, 2021, , .	0.4	3
24	ITO Islands as Floating Electrodes to Deposit Aligned Carbon Nanotubes for Photovoltaic Applications. , 2019, , .		2
25	Foot Plantar Pressure Distribution Modeling Based On Image Processing. , 2018, , .		1
26	Image processing based foot plantar pressure distribution analysis and modeling. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 17, 594.	0.8	1
27	Performance and energy saving analysis of a refrigerator using hydrocarbon mixture (HC-R134a) as working fluid. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012010.	0.6	0
28	Assessment on the AC breakdown voltages of liquid insulation system. , 2015, , .		0
29	Clarification of Colloidal Particles in Lake and River Water Using AC Electrokinetic. MATEC Web of Conferences, 2016, 78, 01115.	0.2	0
30	Portable biosensor for chronic malaria detection. , 2016, , .		0
31	Electrical characterization of GO at different pH towards MCF7 and MCF10a: Preliminary result. , 2017, , .		0
32	Preliminary results of electrical characterization of GO towards MCF7 and MCF10a at different concentrations. , 2017, , .		0
33	Joule heating effect on microdroplet electrowetting platform chip. , 2017, , .		0
34	Actual field performance of a standalone PV mobile-charging station in Serdang, Malaysia. AIP Conference Proceedings, 2019, , .	0.4	0
35	Actual field performance of a standalone photovoltaic mobile-charging station in Serdang, Malaysia. AIP Conference Proceedings, 2019, , .	0.4	0
36	Bioelectricity Harvesting at Aquaponics System: Current and Future Challenges. , 2021, , .		0

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37	Hybrid Systems for Robotic Navigations. Journal of Advanced Research in Dynamical and Control Systems, 2019, 11, 167-173.	0.2	0
38	Synthesis and functional characterization of conducting polyaniline by oxidative polymerization method. AIP Conference Proceedings, 2022, , .	0.4	0