

Chairul Hudaya

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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.

37 papers	471 citations	11 h-index	21 g-index
53 ext. papers	557 ext. citations	5.4 avg, IF	3.74 L-index

#	Paper	IF	Citations
37	Phenyl-rich silicone oil as a precursor for SiOC anode materials for long-cycle and high-rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2651-2656	13	66
36	Oxidation-resistant hybrid metal oxides/metal nanodots/silver nanowires for high performance flexible transparent heaters. <i>Nanoscale</i> , 2016 , 8, 3307-13	7.7	48
35	Self-Relaxant Superelastic Matrix Derived from C Incorporated Sn Nanoparticles for Ultra-High-Performance Li-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 5588-5604	16.7	45
34	High thermal performance of SnO ₂ :F thin transparent heaters with scattered metal nanodots. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 57-61	9.5	44
33	Pseudocapacitive Characteristics of Low-Carbon Silicon Oxycarbide for Lithium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20566-20576	9.5	41
32	Al-C hybrid nanoclustered anodes for lithium ion batteries with high electrical capacity and cyclic stability. <i>Chemical Communications</i> , 2014 , 50, 2837-40	5.8	40
31	An elastic carbon layer on echeveria-inspired SnO ₂ anode for long-cycle and high-rate lithium ion batteries. <i>Carbon</i> , 2015 , 94, 539-547	10.4	34
30	SnO ₂ -coated LiCoO ₂ cathode material for high-voltage applications in lithium-ion batteries. <i>Solid State Ionics</i> , 2014 , 256, 89-92	3.3	27
29	Plasma-polymerized C ₆₀ as a functionalized coating layer on fluorine-doped tin oxides for anode materials of lithium-ion batteries. <i>Carbon</i> , 2015 , 81, 835-838	10.4	20
28	Effects of process parameters on sheet resistance uniformity of fluorine-doped tin oxide thin films. <i>Nanoscale Research Letters</i> , 2012 , 7, 17	5	20
27	A polymerized C ₆₀ coating enhancing interfacial stability at three-dimensional LiCoO ₂ in high-potential regime. <i>Journal of Power Sources</i> , 2015 , 298, 1-7	8.9	18
26	Characteristics of Fluorine-Doped Tin Oxide as a Transparent Heater on PET Prepared by ECR-MOCVD. <i>ECS Transactions</i> , 2013 , 53, 161-166	1	7
25	Effects of annealing temperature on the electrochemical characteristics of ZnO microrods as anode materials of lithium-ion battery using chemical bath deposition. <i>Ionics</i> , 2019 , 25, 457-466	2.7	7
24	Electrochemical performance of low concentration Al doped-lithium titanate anode synthesized via sol-gel for lithium ion capacitor applications. <i>Journal of Energy Storage</i> , 2020 , 29, 101480	7.8	6
23	Electrochemical characteristics of ZnO patterned column/SnO ₂ films for anodic electrodes of lithium ion batteries. <i>Thin Solid Films</i> , 2013 , 546, 404-409	2.2	5
22	Implementation of talis and dc house system for rural areas in indonesia. <i>MATEC Web of Conferences</i> , 2018 , 218, 01006	0.3	5
21	Solar-Powered Base Transceiver Station 2018 ,		4

20	Antiglare and antireflective coating of layer-by-layer SiO ₂ and TiZrO ₂ on surface-modified glass. <i>Applied Surface Science</i> , 2019 , 490, 278-282	6.7	3
19	The characteristics of heat inside a parked car as energy source for thermoelectric generators. <i>International Journal of Energy and Environmental Engineering</i> , 2019 , 10, 347-356	4	3
18	Nanostructural Growth Investigation of ZnO Nanorods Derived from Chemical Bath Deposition for Transparent Heater Application 2018 , 9, 1216		3
17	Pilot-scale electron cyclotron resonance-metal organic chemical vapor deposition system for the preparation of large-area fluorine-doped SnO ₂ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016 , 34, 031501	2.9	3
16	Analysis of Power Transformer Lifetime Using Health Index Transformer Method Based on Artificial Neural Network Modeling 2019 ,		3
15	Building Integrated Photovoltaic for Rooftop and Facade Application in Indonesia 2018 ,		2
14	NaCrO ₂ /Coffee Waste-Derived Nitrogen-doped Carbon Composite as High-Performance Cathode Material for Sodium Ion Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2019 , 40, 857-862	1.2	2
13	Total cost of ownership analysis of 60 MVA 150/120 kV power transformer 2017 ,		2
12	The Influence of Deposition Time and Substrate Temperature during the Spray Pyrolysis Process on the Electrical Resistivity and Optical Transmittance of 2 wt% Fluorine-doped Tin Oxide Conducting Glass 2016 , 7, 1335		2
11	Design and Implementation Study of 3.12 kWp On Grid Rooftop Solar PV System 2019 ,		2
10	Effects of Harmonic Distortions on the Accuracy of Energy and Power Losses Measurements in a Water Treatment Industry 2019 ,		1
9	Simultaneous etching and transfer of free multilayer graphene sheets derived from C60 thin films. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 64, 70-75	6.3	1
8	Electricity price and subsidy scenario for hybrid power generations on off-grid system 2017 ,		1
7	Characteristics of Disturbance in Frequency 9 -150 kHz of Photovoltaic System under Fluctuated Solar Irradiance 2019 ,		1
6	The effect of activated carbon and silicon oxycarbide as anode materials on lithium-ion battery. <i>E3S Web of Conferences</i> , 2018 , 67, 03027	0.5	1
5	The effects of drying time during manufacturing process on partial discharge of 83.3 mva 275/160 kv power transformer. <i>MATEC Web of Conferences</i> , 2018 , 218, 04008	0.3	1
4	Labeling and Grouping of Light Emitting Diode Lamps based on Its Power Quality and Efficacy Level 2018 ,		1
3	The design of alternative electric energy utilizes solar heat in the vehicle cabin with thermoelectric module 2017 ,		0

- 2 Comparison of characteristics of fluorine doped zinc and gallium tin oxide composite thin films deposited on stainless steel 316 bipolar plate by electron cyclotron resonance-metal organic chemical vapor deposition for proton exchange membrane fuel cells. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 7999-8003 1.3
- 1 Electrical discharge phenomenon of electrode gaps in oil insulation. *MATEC Web of Conferences*, **2018**, 197, 11005 0.3