

# Sieh Kiong Tiong

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

618  
citations

623734

14  
h-index

610901

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective Methodologies in Hybrid Renewable Energy Systems for Energy Prediction Using Artificial Neural Networks. Sustainability, 2021, 13, 2393.	3.2	62
2	Impact of renewable energy utilization and artificial intelligence in achieving sustainable development goals. Energy Reports, 2021, 7, 5359-5373.	5.1	62
3	Review of Renewable Energy-Based Charging Infrastructure for Electric Vehicles. Applied Sciences (Switzerland), 2021, 11, 3847.	2.5	61
4	High performance supercapattery with rGO/TiO <sub>2</sub> nanocomposites anode and activated carbon cathode. Journal of Alloys and Compounds, 2019, 796, 13-24.	5.5	38
5	A review of thermoelectric power generation systems: Roles of existing test rigs/ prototypes and their associated cooling units on output performance. Energy Conversion and Management, 2018, 174, 138-156.	9.2	34
6	An Overview of the Building Energy Management System Considering the Demand Response Programs, Smart Strategies and Smart Grid. Energies, 2020, 13, 3299.	3.1	34
7	Development of graphene based nanocomposites towards medical and biological applications. Artificial Cells, Nanomedicine and Biotechnology, 2020, 48, 1189-1205.	2.8	33
8	Heat transfer and fouling deposition investigation on the titanium coated heat exchanger surface. Powder Technology, 2020, 373, 671-680.	4.2	31
9	Toward Predicting Student's Academic Performance Using Artificial Neural Networks (ANNs). Applied Sciences (Switzerland), 2022, 12, 1289.	2.5	30
10	Multistep short-term wind speed prediction using nonlinear auto-regressive neural network with exogenous variable selection. AEJ - Alexandria Engineering Journal, 2021, 60, 1221-1229.	6.4	29
11	An Adaptive TE-PV Hybrid Energy Harvesting System for Self-Powered IoT Sensor Applications. Sensors, 2021, 21, 2604.	3.8	24
12	IoT-Enabled High Efficiency Smart Solar Charge Controller with Maximum Power Point Tracking Design, Hardware Implementation and Performance Testing. Electronics (Switzerland), 2020, 9, 1267.	3.1	21
13	Comprehensive Review of Wind Energy in Malaysia: Past, Present, and Future Research Trends. IEEE Access, 2020, 8, 124526-124543.	4.2	19
14	Numerical Insights into the Influence of Electrical Properties of n-CdS Buffer Layer on the Performance of SLG/Mo/p-Absorber/n-CdS/n-ZnO/Ag Configured Thin Film Photovoltaic Devices. Coatings, 2021, 11, 52.	2.6	15
15	The Effect of Value Innovation in the Superior Performance and Sustainable Growth of Telecommunications Sector: Mediation Effect of Customer Satisfaction and Loyalty. Sustainability, 2022, 14, 6342.	3.2	14
16	Hybrid Graphene Titanium Nanocomposites and Their Applications in Energy Storage Devices: a Review. Journal of Electronic Materials, 2020, 49, 1777-1786.	2.2	13
17	Design optimization of CdTe/Si tandem solar cell using different transparent conducting oxides as interconnecting layers. Journal of Alloys and Compounds, 2021, 870, 159351.	5.5	12
18	Toward Blockchain Technology in the Energy Environment. Sustainability, 2021, 13, 9008.	3.2	12

#	ARTICLE	IF	CITATIONS
19	Viability Assessment of Small-Scale On-Grid Wind Energy Generator for Households in Malaysia. <i>Energies</i> , 2021, 14, 3391.	3.1	11
20	Lightning Mapping: Techniques, Challenges, and Opportunities. <i>IEEE Access</i> , 2020, 8, 190064-190082.	4.2	9
21	An Autonomous Home Energy Management System Using Dynamic Priority Strategy in Conventional Homes. <i>Energies</i> , 2020, 13, 3312.	3.1	8
22	An investigation of the stirring duration effect on synthesized graphene oxide for dye-sensitized solar cells. <i>PLoS ONE</i> , 2020, 15, e0228322.	2.5	8
23	Design and Optimization of a Small-Scale Horizontal Axis Wind Turbine Blade for Energy Harvesting at Low Wind Profile Areas. <i>Energies</i> , 2022, 15, 3033.	3.1	8
24	Fault Classification System for Switchgear CBM from an Ultrasound Analysis Technique Using Extreme Learning Machine. <i>Energies</i> , 2021, 14, 6279.	3.1	6
25	A comprehensive study and performance analysis of deep neural network-based approaches in wind time-series forecasting. <i>Journal of Reliable Intelligent Environments</i> , 2023, 9, 183-200.	5.2	6
26	Influence of Sputtering Temperature of TiO <sub>2</sub> Deposited onto Reduced Graphene Oxide Nanosheet as Efficient Photoanodes in Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020, 25, 4852.	3.8	5
27	Variable-Speed PICO Hydel Energy Storage With Synchronverter Control to Emulate Virtual Inertia in Autonomous Microgrids. <i>IEEE Systems Journal</i> , 2022, 16, 452-463.	4.6	5
28	The Approach of Value Innovation towards Superior Performance, Competitive Advantage, and Sustainable Growth: A Systematic Literature Review. <i>Sustainability</i> , 2021, 13, 10131.	3.2	4
29	The viability of alternative and nontoxic chlorine containing compounds for thermal treatment of ultrathin CdTe (1.0 $\mu$ m) films. <i>International Journal of Energy Research</i> , 2021, 45, 13771-13785.	4.5	3
30	Influence of Temperature Reaction for the CdSe/TiO <sub>2</sub> Nanotube Thin Film Formation via Chemical Bath Deposition in Improving the Photoelectrochemical Activity. <i>Materials</i> , 2020, 13, 2533.	2.9	1
31	Application of Extreme Learning Machine in Predicting Short-Term Wind Speed. , 2020, , .		0
32	Improved Electromagnetsim-Like Algorithm for Economic Emission Dispatch Problem. , 2020, , .		0