

# Hasimah Abdul Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,342  
citations

586496

16  
h-index

799663

21  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of Soiling Derating Factor in Determining Photovoltaic Outputs. IEEE Journal of Photovoltaics, 2020, 10, 1417-1423.	1.5	13
2	Hybrid energy storage system for life cycle improvement. , 2017, , .		10
3	Short-term forecasting of solar photovoltaic output power for tropical climate using ground-based measurement data. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	24
4	Improving power grid performance using parallel connected Compressed Air Energy Storage and wind turbine system. Renewable Energy, 2016, 96, 498-508.	4.3	26
5	Publics <sup>x3</sup> knowledge, attitudes and behavioral toward the use of solar energy in Yemen power sector. Renewable and Sustainable Energy Reviews, 2016, 60, 498-515.	8.2	32
6	Personal and psychological factors affecting the successful development of solar energy use in Yemen power sector: A case study. Renewable and Sustainable Energy Reviews, 2016, 60, 516-535.	8.2	15
7	An optimization method for designing stand alone photovoltaic system using iterative method. , 2015, , .		1
8	Energy efficiency index as an indicator for measuring building energy performance: A review. Renewable and Sustainable Energy Reviews, 2015, 44, 1-11.	8.2	170
9	Photovoltaic technology in Malaysia: past, present, and future plan. International Journal of Sustainable Energy, 2015, 34, 128-140.	1.3	7
10	Artificial neural network <sup>â€</sup> based photovoltaic module temperature estimation for tropical climate of Malaysia and its impact on photovoltaic system energy yield. Progress in Photovoltaics: Research and Applications, 2015, 23, 302-318.	4.4	17
11	Optimal hybrid renewable energy design in autonomous system using Iterative-Pareto-Fuzzy technique. International Journal of Electrical Power and Energy Systems, 2015, 64, 242-249.	3.3	60
12	Historical development of concentrating solar power technologies to generate clean electricity efficiently â€“ A review. Renewable and Sustainable Energy Reviews, 2015, 41, 996-1027.	8.2	255
13	A Novel Hybrid Model for Short-Term Forecasting in PV Power Generation. International Journal of Photoenergy, 2014, 2014, 1-9.	1.4	70
14	A Simple Approach in Estimating the Effectiveness of Adapting Mirror Concentrator and Tracking Mechanism for PV Arrays in the Tropics. International Journal of Photoenergy, 2014, 2014, 1-7.	1.4	2
15	Identification building energy saving using Energy Efficiency Index approach. , 2014, , .		15
16	Hourly irradiance forecasting in Malaysia using support vector machine. , 2014, , .		7
17	Performance evaluation of solar-fossil fuel-hybrid parabolic trough power plant in Yemen under different fuel types. , 2014, , .		2
18	Design and economic analysis in stand alone photovoltaic system. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
19	Efficiency optimization of an induction machine using optimal flux control. , 2014, , .		1
20	Feasibility assessment of wind energy resources in Malaysia based on ANWP models. Renewable Energy, 2014, 62, 147-154.	4.3	52
21	A review on lighting control technologies in commercial buildings, their performance and affecting factors. Renewable and Sustainable Energy Reviews, 2014, 33, 268-279.	8.2	176
22	A review on applications of ANN and SVM for building electrical energy consumption forecasting. Renewable and Sustainable Energy Reviews, 2014, 33, 102-109.	8.2	701
23	Economic analysis of grid-connected hybrid photovoltaic-wind system in Malaysia. , 2013, , .		15
24	Climate-based empirical model for PV module temperature estimation in tropical environment. Applied Solar Energy (English Translation of Geliotekhnika), 2013, 49, 192-201.	0.2	23
25	Multi-distributed generation planning using hybrid particle swarm optimisation-gravitational search algorithm including voltage rise issue. IET Generation, Transmission and Distribution, 2013, 7, 929-942.	1.4	81
26	Optimal distributed renewable generation planning: A review of different approaches. Renewable and Sustainable Energy Reviews, 2013, 18, 626-645.	8.2	215
27	Review of storage schemes for wind energy systems. Renewable and Sustainable Energy Reviews, 2013, 21, 237-247.	8.2	117
28	Energy saving in lighting from T5 lamp retrofits &#x2014; A case study. , 2013, , .		3
29	Impact of load expansion to the renewable energy system performance. , 2013, , .		0
30	Design and simulation of electronic ballast performance for high pressure sodium street lighting. Lighting Research and Technology, 2013, 45, 729-739.	1.2	8
31	Hourly irradiance forecasting for Peninsular Malaysia using dynamic neural network with preprocessed data. , 2013, , .		4
32	Energy efficiency measurements in a Malaysian public university. , 2012, , .		14
33	Mathematical model of Compressed Air Energy Storage in smoothing 2MW wind turbine. , 2012, , .		16
34	Effect of losses resistances, module temperature variation, and partial shading on PV output power. , 2012, , .		14
35	The reduction of Total Harmonic Distortion and electromagnetic interference in high pressure sodium street lighting using single stage electronic ballast. , 2012, , .		5
36	Allocation and sizing of DG using Cuckoo Search algorithm. , 2012, , .		63

#	ARTICLE	IF	CITATIONS
37	Power optimization for a small-sized stall-regulated variable-speed wind turbine. , 2012, , .		9
38	Designing dynamic controller and passive filter for a grid connected micro-turbine. , 2011, , .		1
39	Modeling and simulation of grid connected Photovoltaic System for Malaysian climate using Matlab/Simulink. , 2010, , .		8
40	Sliding mode control power system stabilizer (PSS) for Single Machine Connected to Infinite Bus (SMIB). , 2008, , .		10
41	Economic study on the effectiveness of photovoltaic street lighting in Universiti Teknologi Malaysia. , 2008, , .		4
42	Short term load forecasting using data mining technique. , 2008, , .		6
43	Cost comparison between Amorphous Silicon and cadmium telluride for stand-alone photovoltaic system in Malaysia. , 2008, , .		5
44	Fuzzy logic based energy saving technique for a central air conditioning system. Energy, 2007, 32, 1222-1234.	4.5	42
45	Demand Side Management Using Direct Load Control for Residential. , 2006, , .		11
46	Certain Considerations In Pricing Unbundled Transmission Services. , 2006, , .		6
47	A comparative study of PI and fuzzy logic automatic voltage regulator of a micro-alternator system. , 0, , .		0
48	Energy efficiency and conservation study for a medium scale industry in Malaysia. , 0, , .		0