

Hasimah Abdul Rahman

List of Publications by Year in descending order

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48
papers

2,342
citations

516710

16
h-index

713466

21
g-index

48
all docs

48
docs citations

48
times ranked

2961
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on applications of ANN and SVM for building electrical energy consumption forecasting. Renewable and Sustainable Energy Reviews, 2014, 33, 102-109.	16.4	701
2	Historical development of concentrating solar power technologies to generate clean electricity efficiently – A review. Renewable and Sustainable Energy Reviews, 2015, 41, 996-1027.	16.4	255
3	Optimal distributed renewable generation planning: A review of different approaches. Renewable and Sustainable Energy Reviews, 2013, 18, 626-645.	16.4	215
4	A review on lighting control technologies in commercial buildings, their performance and affecting factors. Renewable and Sustainable Energy Reviews, 2014, 33, 268-279.	16.4	176
5	Energy efficiency index as an indicator for measuring building energy performance: A review. Renewable and Sustainable Energy Reviews, 2015, 44, 1-11.	16.4	170
6	Review of storage schemes for wind energy systems. Renewable and Sustainable Energy Reviews, 2013, 21, 237-247.	16.4	117
7	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.	2.5	81
8	A Novel Hybrid Model for Short-Term Forecasting in PV Power Generation. International Journal of Photoenergy, 2014, 2014, 1-9.	2.5	70
9	Allocation and sizing of DG using Cuckoo Search algorithm. , 2012, , .		63
10	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.	5.5	60
11	Feasibility assessment of wind energy resources in Malaysia based on WWP models. Renewable Energy, 2014, 62, 147-154.	8.9	52
12	Fuzzy logic based energy saving technique for a central air conditioning system. Energy, 2007, 32, 1222-1234.	8.8	42
13	Publics' knowledge, attitudes and behavioral toward the use of solar energy in Yemen power sector. Renewable and Sustainable Energy Reviews, 2016, 60, 498-515.	16.4	32
14	Improving power grid performance using parallel connected Compressed Air Energy Storage and wind turbine system. Renewable Energy, 2016, 96, 498-508.	8.9	26
15	Short-term forecasting of solar photovoltaic output power for tropical climate using ground-based measurement data. Journal of Renewable and Sustainable Energy, 2016, 8, .	2.0	24
16	Climate-based empirical model for PV module temperature estimation in tropical environment. Applied Solar Energy (English Translation of Geliotekhnika), 2013, 49, 192-201.	1.6	23
17	Artificial neural network-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.	8.1	17
18	Mathematical model of Compressed Air Energy Storage in smoothing 2MW wind turbine. , 2012, , .		16

#	ARTICLE	IF	CITATIONS
19	Economic analysis of grid-connected hybrid photovoltaic-wind system in Malaysia. , 2013, , .		15
20	Identification building energy saving using Energy Efficiency Index approach. , 2014, , .		15
21	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.	16.4	15
22	Energy efficiency measurements in a Malaysian public university. , 2012, , .		14
23	Effect of losses resistances, module temperature variation, and partial shading on PV output power. , 2012, , .		14
24	Modeling of Soiling Derating Factor in Determining Photovoltaic Outputs. IEEE Journal of Photovoltaics, 2020, 10, 1417-1423.	2.5	13
25	Demand Side Management Using Direct Load Control for Residential. , 2006, , .		11
26	Sliding mode control power system stabilizer (PSS) for Single Machine Connected to Infinite Bus (SMIB). , 2008, , .		10
27	Hybrid energy storage system for life cycle improvement. , 2017, , .		10
28	Power optimization for a small-sized stall-regulated variable-speed wind turbine. , 2012, , .		9
29	Modeling and simulation of grid connected Photovoltaic System for Malaysian climate using Matlab/Simulink. , 2010, , .		8
30	Design and simulation of electronic ballast performance for high pressure sodium street lighting. Lighting Research and Technology, 2013, 45, 729-739.	2.7	8
31	Hourly irradiance forecasting in Malaysia using support vector machine. , 2014, , .		7
32	Photovoltaic technology in Malaysia: past, present, and future plan. International Journal of Sustainable Energy, 2015, 34, 128-140.	2.4	7
33	Certain Considerations In Pricing Unbundled Transmission Services. , 2006, , .		6
34	Short term load forecasting using data mining technique. , 2008, , .		6
35	Design and economic analysis in stand alone photovoltaic system. , 2014, , .		6
36	Cost comparison between Amorphous Silicon and cadmium telluride for stand-alone photovoltaic system in Malaysia. , 2008, , .		5

#	ARTICLE	IF	CITATIONS
37	The reduction of Total Harmonic Distortion and electromagnetic interference in high pressure sodium street lighting using single stage electronic ballast. , 2012, , .		5
38	Economic study on the effectiveness of photovoltaic street lighting in Universiti Teknologi Malaysia. , 2008, , .		4
39	Hourly irradiance forecasting for Peninsular Malaysia using dynamic neural network with preprocessed data. , 2013, , .		4
40	Energy saving in lighting from T5 lamp retrofits — A case study. , 2013, , .		3
41	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.	2.5	2
42	Performance evaluation of solar-fossil fuel-hybrid parabolic trough power plant in Yemen under different fuel types. , 2014, , .		2
43	Designing dynamic controller and passive filter for a grid connected micro-turbine. , 2011, , .		1
44	Efficiency optimization of an induction machine using optimal flux control. , 2014, , .		1
45	An optimization method for designing stand alone photovoltaic system using iterative method. , 2015, , .		1
46	A comparative study of PI and fuzzy logic automatic voltage regulator of a micro-alternator system. , 0, , .		0
47	Energy efficiency and conservation study for a medium scale industry in Malaysia. , 0, , .		0
48	Impact of load expansion to the renewable energy system performance. , 2013, , .		0