

Keith M Sunderland

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

356
citations

1040056

9
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of demand response to improve voltage regulation with high DG penetration. Electric Power Systems Research, 2020, 189, 106722.	3.6	12
2	Impact assessment of high-power domestic EV charging proliferation of a distribution network. IET Generation, Transmission and Distribution, 2020, 14, 5918-5926.	2.5	9
3	Role of reactive power (STATCOM) in the planning of distribution network with higher EV charging level. IET Generation, Transmission and Distribution, 2019, 13, 951-959.	2.5	21
4	Demand Response and Consumer Inconvenience. , 2019, , .		8
5	An analysis of harmonic heating in smart buildings and distribution network implications with increasing non-linear (domestic) load and embedded generation. Renewable Energy, 2018, 126, 524-536.	8.9	2
6	Maximum Power Point Tracking: Adaptation Linear Prediction for Wind Energy Conversion Systems. , 2018, , .		1
7	Adaptive linear prediction for optimal control of wind turbines. Renewable Energy, 2017, 113, 895-906.	8.9	28
8	Enhanced Network Voltage Management Techniques Under the Proliferation of Rooftop Solar PV Installation in Low-Voltage Distribution Network. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 681-694.	5.4	61
9	Comparative study between direct load control and fuzzy logic control based demand response. , 2016, , .		4
10	The cost of energy associated with micro wind generation: International case studies of rural and urban installations. Energy, 2016, 109, 818-829.	8.8	33
11	A correction current injection method for power flow analysis of unbalanced multiple-grounded 4-wire distribution networks. Electric Power Systems Research, 2016, 132, 30-38.	3.6	35
12	Digital energy networks: A post occupancy evaluation and appraisal of an Intelligent Low Energy Lighting System. , 2015, , .		0
13	Wind Energy and Ireland: Could forecasting errors lead to a flawed market?. , 2015, , .		0
14	Small wind turbines in turbulent (urban) environments: A consideration of normal and Weibull distributions for power prediction. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 121, 70-81.	3.9	87
15	Estimating the wind resource in an urban area: A case study of micro-wind generation potential in Dublin, Ireland. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 118, 44-53.	3.9	37
16	The impact of urban atmospheric turbulence on the generation capability of a micro-wind generator. , 2013, , .		1
17	Application of a correction current injection power flow algorithm to an unbalanced 4-wire distribution network incorporating TN-C-S earthing. , 2013, , .		3
18	Urban deployment of small wind turbines: Power performance and turbulence. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	4-Wire load flow analysis of a representative urban network incorporating SSEG. , 2012, , .		9
20	The role of micro wind generation in Ireland’s energy future. , 2008, , .		4