

# Keith M Sunderland

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

356  
citations

1040056

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1372567

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g-index

20  
all docs

20  
docs citations

20  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small wind turbines in turbulent (urban) environments: A consideration of normal and Weibull distributions for power prediction. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 121, 70-81.	3.9	87
2	Enhanced Network Voltage Management Techniques Under the Proliferation of Rooftop Solar PV Installation in Low-Voltage Distribution Network. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017, 5, 681-694.	5.4	61
3	Estimating the wind resource in an urban area: A case study of micro-wind generation potential in Dublin, Ireland. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 118, 44-53.	3.9	37
4	A correction current injection method for power flow analysis of unbalanced multiple-grounded 4-wire distribution networks. <i>Electric Power Systems Research</i> , 2016, 132, 30-38.	3.6	35
5	The cost of energy associated with micro wind generation: International case studies of rural and urban installations. <i>Energy</i> , 2016, 109, 818-829.	8.8	33
6	Adaptive linear prediction for optimal control of wind turbines. <i>Renewable Energy</i> , 2017, 113, 895-906.	8.9	28
7	Role of reactive power (STATCOM) in the planning of distribution network with higher EV charging level. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 951-959.	2.5	21
8	Application of demand response to improve voltage regulation with high DG penetration. <i>Electric Power Systems Research</i> , 2020, 189, 106722.	3.6	12
9	4-Wire load flow analysis of a representative urban network incorporating SSEG. , 2012, , .		9
10	Impact assessment of high-power domestic EV charging proliferation of a distribution network. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 5918-5926.	2.5	9
11	Demand Response and Consumer Inconvenience. , 2019, , .		8
12	The role of micro wind generation in Ireland's energy future. , 2008, , .		4
13	Comparative study between direct load control and fuzzy logic control based demand response. , 2016, , .		4
14	Application of a correction current injection power flow algorithm to an unbalanced 4-wire distribution network incorporating TN-C-S earthing. , 2013, , .		3
15	An analysis of harmonic heating in smart buildings and distribution network implications with increasing non-linear (domestic) load and embedded generation. <i>Renewable Energy</i> , 2018, 126, 524-536.	8.9	2
16	The impact of urban atmospheric turbulence on the generation capability of a micro-wind generator. , 2013, , .		1
17	Urban deployment of small wind turbines: Power performance and turbulence. , 2013, , .		1
18	Maximum Power Point Tracking: Adaptation Linear Prediction for Wind Energy Conversion Systems. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Digital energy networks: A post occupancy evaluation and appraisal of an Intelligent Low Energy Lighting System. , 2015, , .		0
20	Wind Energy and Ireland: Could forecasting errors lead to a flawed market?. , 2015, , .		0