

Arvind R Singh

List of Publications by Year in descending order

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44
papers

2,007
citations

516710

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361022

35
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46
all docs

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docs citations

46
times ranked

2099
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of multi criteria decision making (MCDM) towards sustainable renewable energy development. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 596-609.	16.4	1,038
2	Integrated assessment of a sustainable microgrid for a remote village in hilly region. <i>Energy Conversion and Management</i> , 2019, 180, 442-472.	9.2	99
3	Strategic integration of battery energy storage systems with the provision of distributed ancillary services in active distribution systems. <i>Applied Energy</i> , 2019, 253, 113503.	10.1	86
4	A Novel Methodological Framework for the Design of Sustainable Rural Microgrid for Developing Nations. <i>IEEE Access</i> , 2018, 6, 24925-24951.	4.2	79
5	Multi-Objective Optimization of Hybrid Renewable Energy System Using Reformed Electric System Cascade Analysis for Islanding and Grid Connected Modes of Operation. <i>IEEE Access</i> , 2018, 6, 47332-47354.	4.2	71
6	Intelligent demand side management for optimal energy scheduling of grid connected microgrids. <i>Applied Energy</i> , 2021, 285, 116435.	10.1	66
7	Recent trends in power management strategies for optimal operation of distributed energy resources in microgrids: A comprehensive review. <i>International Journal of Energy Research</i> , 2020, 44, 9889-9911.	4.5	65
8	Optimal Energy Management of Microgrids Using Quantum Teaching Learning Based Algorithm. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4834-4842.	9.0	53
9	Adaptive distance protection of transmission line in presence of SVC. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 53, 78-84.	5.5	50
10	Impact of multiple demand side management programs on the optimal operation of grid-connected microgrids. <i>Applied Energy</i> , 2021, 301, 117466.	10.1	35
11	Analytic Hierarchy Process (AHP) – Swarm intelligence based flexible demand response management of grid-connected microgrid. <i>Applied Energy</i> , 2022, 306, 118058.	10.1	32
12	Multiyear Load Growth Based Techno-Financial Evaluation of a Microgrid for an Academic Institution. <i>IEEE Access</i> , 2018, 6, 37533-37555.	4.2	30
13	Adaptive distance protection setting in presence of mid-point STATCOM using synchronized measurement. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 67, 252-260.	5.5	28
14	Digital impedance pilot relaying scheme for STATCOM compensated TL for fault phase classification with fault location. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 2586-2598.	2.5	26
15	Optimization of an isolated photo-voltaic generating unit with battery energy storage system using electric system cascade analysis. <i>Electric Power Systems Research</i> , 2018, 164, 188-200.	3.6	20
16	A comprehensive review of soft computing algorithms for optimal generation scheduling. <i>International Journal of Energy Research</i> , 2021, 45, 1170-1189.	4.5	19
17	Fault diagnosis, service restoration, and data loss mitigation through multi-agent system in a smart power distribution grid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-26.	2.3	17
18	Optimal energy management of microgrids – integrated nonconvex distributed generating units with load dynamics. <i>International Journal of Energy Research</i> , 2021, 45, 18919-18934.	4.5	17

#	ARTICLE	IF	CITATIONS
19	<scp>Customer-oriented</scp>energy demand management of grid connected microgrids. International Journal of Energy Research, 2021, 45, 18695-18712.	4.5	16
20	Optimal Planning of Hybrid Energy Conversion Systems for Annual Energy Cost Minimization in Indian Residential Buildings. Energy Procedia, 2019, 158, 2979-2985.	1.8	14
21	Improving frequency regulation of wind-integrated <scp>multi-area</scp> systems using <scp>LFA-fuzzy PID</scp> control. International Transactions on Electrical Energy Systems, 2021, 31, e12802.	1.9	14
22	Synchronized measurement based an adaptive distance relaying scheme for STATCOM compensated transmission line. Measurement: Journal of the International Measurement Confederation, 2018, 116, 96-105.	5.0	13
23	Effect of SSSC-based SSR controller on the performance of distance relay and adaptive approach using synchronized measurement. International Transactions on Electrical Energy Systems, 2018, 28, e2620.	1.9	13
24	Adaptive digital distance relay for SSSC-based double-circuit transmission line using phasor measurement unit. International Transactions on Electrical Energy Systems, 2019, 29, e2787.	1.9	13
25	A swarm intelligence approach for energy management of <scp>grid-connected</scp> microgrids with flexible load demand response. International Journal of Energy Research, 2022, 46, 4301-4319.	4.5	12
26	Optimal day ahead energy consumption management in grid-connected microgrids. International Journal of Energy Research, 2022, 46, 1864-1881.	4.5	10
27	Pilot Relaying Scheme Based on Differential Admittance Concept for FSC-Compensated EHV Transmission Line. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 949-961.	2.3	9
28	Chaos driven instability control using interval type-2 fuzzy logic controller for better performance. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1491-1501.	1.4	8
29	Strategic Allocation and Energy Management of BESS for the Provision of Ancillary Services in Active Distribution Networks. Energy Procedia, 2019, 158, 2972-2978.	1.8	7
30	A hybrid machine learning and meta-heuristic algorithm based service restoration scheme for radial power distribution system. International Transactions on Electrical Energy Systems, 2021, 31, e12894.	1.9	7
31	An Approach to Wire-Wound Hall-Effect Based Current Sensor for Offset Reduction. IEEE Sensors Journal, 2022, 22, 2006-2015.	4.7	7
32	Robust distance protection of mid-point shunt compensated transmission line. , 2012, , .		5
33	New modified first zone algorithm for transmission lines with series compensators. , 2012, , .		5
34	Environmental feasibility of incorporation of electric taxis in South Africa. Journal of Engineering, 2019, 2019, 5078-5084.	1.1	5
35	Demand response of grid-connected microgrid based on metaheuristic optimization algorithm. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-22.	2.3	4
36	A soft computing scheme incorporating ANN and MOV energy in fault detection, classification and distance estimation of EHV transmission line with FSC. SpringerPlus, 2016, 5, 1834.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Multicriteria decision-making methodologies and their applications in sustainable energy system/microgrids. , 2020, , 1-40.		3
38	Application and simulation of the active fault current limiter. , 2015, , .		2
39	An intelligent approach towards very short-term load forecasting. International Journal of Emerging Electric Power Systems, 2022, 23, 59-72.	0.8	1
40	Design and Evaluation of Microgrids Based on Renewable Energy Technologies with a Perspective of Sustainable Development. , 2021, , 385-415.		1
41	Business Case for Photovoltaic Power Systems for High Energy Industrial Consumers in South Africa. , 2020, , .		0
42	Optimal Sizing of Hybrid Energy Systems. , 2021, , 417-447.		0
43	Bus-Bar Protection. , 2019, , 273-294.		0
44	Interpreting Microgrid Reliability Using RBD-Quantitative Approaches. Advances in Intelligent Systems and Computing, 2020, , 249-257.	0.6	0