

Arvind R Singh

List of Publications by Year in descending order

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44
papers

2,007
citations

516710

16
h-index

361022

35
g-index

46
all docs

46
docs citations

46
times ranked

2099
citing authors

#	ARTICLE	IF	CITATIONS
1	An intelligent approach towards very short-term load forecasting. International Journal of Emerging Electric Power Systems, 2022, 23, 59-72.	0.8	1
2	Optimal day ahead energy consumption management in grid-connected microgrids. International Journal of Energy Research, 2022, 46, 1864-1881.	4.5	10
3	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
4	Analytic Hierarchy Process (AHP) – Swarm intelligence based flexible demand response management of grid-connected microgrid. Applied Energy, 2022, 306, 118058.	10.1	32
5	An Approach to Wire-Wound Hall-Effect Based Current Sensor for Offset Reduction. IEEE Sensors Journal, 2022, 22, 2006-2015.	4.7	7
6	A comprehensive review of soft computing algorithms for optimal generation scheduling. International Journal of Energy Research, 2021, 45, 1170-1189.	4.5	19
7	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
8	Optimal Energy Management of Microgrids Using Quantum Teaching Learning Based Algorithm. IEEE Transactions on Smart Grid, 2021, 12, 4834-4842.	9.0	53
9	Intelligent demand side management for optimal energy scheduling of grid connected microgrids. Applied Energy, 2021, 285, 116435.	10.1	66
10	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
11	<scp>Customer-oriented</scp>energy demand management of grid connected microgrids. International Journal of Energy Research, 2021, 45, 18695-18712.	4.5	16
12	Optimal energy management of microgrids-integrated <scp>nonconvex</scp> distributed generating units with load dynamics. International Journal of Energy Research, 2021, 45, 18919-18934.	4.5	17
13	Design and Evaluation of Microgrids Based on Renewable Energy Technologies with a Perspective of Sustainable Development. , 2021, , 385-415.		1
14	Optimal Sizing of Hybrid Energy Systems. , 2021, , 417-447.		0
15	Impact of multiple demand side management programs on the optimal operation of grid-connected microgrids. Applied Energy, 2021, 301, 117466.	10.1	35
16	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
17	Multicriteria decision-making methodologies and their applications in sustainable energy system/microgrids. , 2020, , 1-40.		3
18	Business Case for Photovoltaic Power Systems for High Energy Industrial Consumers in South Africa. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Recent trends in power management strategies for optimal operation of distributed energy resources in microgrids: A comprehensive review. International Journal of Energy Research, 2020, 44, 9889-9911.	4.5	65
20	Interpreting Microgrid Reliability Using RBD-Quantitative Approaches. Advances in Intelligent Systems and Computing, 2020, , 249-257.	0.6	0
21	Strategic integration of battery energy storage systems with the provision of distributed ancillary services in active distribution systems. Applied Energy, 2019, 253, 113503.	10.1	86
22	Environmental feasibility of incorporation of electric taxis in South Africa. Journal of Engineering, 2019, 2019, 5078-5084.	1.1	5
23	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
24	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
25	Integrated assessment of a sustainable microgrid for a remote village in hilly region. Energy Conversion and Management, 2019, 180, 442-472.	9.2	99
26	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
27	Bus-Bar Protection. , 2019, , 273-294.		0
28	A Novel Methodological Framework for the Design of Sustainable Rural Microgrid for Developing Nations. IEEE Access, 2018, 6, 24925-24951.	4.2	79
29	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
30	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
31	Multi-Objective Optimization of Hybrid Renewable Energy System Using Reformed Electric System Cascade Analysis for Islanding and Grid Connected Modes of Operation. IEEE Access, 2018, 6, 47332-47354.	4.2	71
32	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
33	Multiyear Load Growth Based Techno-Financial Evaluation of a Microgrid for an Academic Institution. IEEE Access, 2018, 6, 37533-37555.	4.2	30
34	Optimization of an isolated photo-voltaic generating unit with battery energy storage system using electric system cascade analysis. Electric Power Systems Research, 2018, 164, 188-200.	3.6	20
35	Digital impedance pilot relaying scheme for STATCOM compensated TL for fault phase classification with fault location. IET Generation, Transmission and Distribution, 2017, 11, 2586-2598.	2.5	26
36	A review of multi criteria decision making (MCDM) towards sustainable renewable energy development. Renewable and Sustainable Energy Reviews, 2017, 69, 596-609.	16.4	1,038

#	ARTICLE	IF	CITATIONS
37	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
38	Application and simulation of the active fault current limiter. , 2015, , .		2
39	Adaptive distance protection setting in presence of mid-point STATCOM using synchronized measurement. International Journal of Electrical Power and Energy Systems, 2015, 67, 252-260.	5.5	28
40	Adaptive distance protection of transmission line in presence of SVC. International Journal of Electrical Power and Energy Systems, 2013, 53, 78-84.	5.5	50
41	Robust distance protection of mid-point shunt compensated transmission line. , 2012, , .		5
42	New modified first zone algorithm for transmission lines with series compensators. , 2012, , .		5
43	Fault diagnosis, service restoration, and data loss mitigation through multi-agent system in a smart power distribution grid. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-26.	2.3	17
44	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