

Ramesh Devarapalli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

212
citations

8
h-index

12
g-index

41
ext. papers

370
ext. citations

2.2
avg, IF

4.51
L-index

#	Paper	IF	Citations
37	A High-Gain Multiphase Interleaved Differential Capacitor Clamped Boost Converter. <i>Electronics (Switzerland)</i> , 2022 , 11, 264	2.6	2
36	Impact of Energy Systems Accumulation on Power System Stability and Stabilization Methods. <i>Green Energy and Technology</i> , 2022 , 269-280	0.6	
35	Optimal Controller Parameter Tuning of PSS Using Sine-Cosine Algorithm. <i>Studies in Computational Intelligence</i> , 2021 , 337-360	0.8	5
34	PSO Based Optimal Reactive Power Dispatch for the Enrichment of Power System Performance. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 267-276	0.2	1
33	An approach to solve OPF problems using a novel hybrid whale and sine cosine optimization algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-11	1.6	4
32	Wind integrated power system to reduce emission: An application of Bat algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-9	1.6	4
31	A novel approach of intensified barnacles mating optimization for the mitigation of power system oscillations. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, e6303	1.4	2
30	Design of Capacitive Bridge Fault Current Limiter for Low-Voltage Ride-Through Capacity Enrichment of Doubly Fed Induction Generator-Based Wind Farm. <i>Sustainability</i> , 2021 , 13, 6656	3.6	2
29	Enhancing Global Maximum Power Point of Solar Photovoltaic Strings under Partial Shading Conditions Using Chimp Optimization Algorithm. <i>Energies</i> , 2021 , 14, 4086	3.1	6
28	Amended GWO approach based multi-machine power system stability enhancement. <i>ISA Transactions</i> , 2021 , 109, 152-174	5.5	15
27	A novel hybrid algorithm for solving emerging electricity market pricing problem of microgrid. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 919-961	8.4	9
26	Enhancing Oscillation Damping in a Power Network Using EWOA Technique. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 27-36	0.2	1
25	A novel hybrid AGWO-PSO algorithm in mitigation of power network oscillations with STATCOM. <i>Numerical Algebra, Control and Optimization</i> , 2021 , 11, 579	1.7	3
24	Improved Moth Flame Optimization in Systematization of STATCOM and PSS. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 481-491	0.2	4
23	Power and energy system oscillation damping using multi-verse optimization. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	1
22	Principal component analysis technique for early fault detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-12	1.6	2
21	Seven Level Voltage Source Converter Based Static Synchronous Compensator with a Constant DC-Link Voltage. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7330	2.6	1

20	Selection and Scheduling of DG Sources for Environomic Operation Management of a Microgrid System. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021 , 530-542	0.4	
19	Optimal placement of shunt capacitor with VCPI to improve voltage profile using Mi power. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 981, 042061	0.4	
18	Global Sliding-Mode Suspension Control of Bearingless Switched Reluctance Motor under Eccentric Faults to Increase Reliability of Motor. <i>Energies</i> , 2020 , 13, 5485	3.1	4
17	A hybrid modified grey wolf optimization-sine cosine algorithm-based power system stabilizer parameter tuning in a multimachine power system. <i>Optimal Control Applications and Methods</i> , 2020 , 41, 1143-1159	1.7	29
16	Modeling and control of dynamic battery storage system used in hybrid grid. <i>Energy Storage</i> , 2020 , 2, e146	2.8	6
15	Interval Modeling of Riverol-Pilipovik Water Treatment Plant and Its Model Order Reduction. <i>Algorithms for Intelligent Systems</i> , 2020 , 361-367	0.5	3
14	A Framework for ($H_{\{2\}}/H_{\infty}$) Synthesis in Damping Power Network Oscillations with STATCOM. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 927-948	1.9	8
13	Controller parameter tuning of a single machine infinite bus system with static synchronous compensator using antlion optimization algorithm for the power system stability improvement. <i>Advanced Control for Applications</i> , 2020 , 2, e45	0.9	8
12	An intelligent EGWO-SCA-CS algorithm for PSS parameter tuning under system uncertainties. <i>International Journal of Intelligent Systems</i> , 2020 , 35, 1520-1569	8.4	20
11	Parameter extraction of solar photovoltaic module by using a novel hybrid marine predators \square success history based adaptive differential evolution algorithm. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-23	1.6	6
10	Optimal Power Flow with BAT algorithm for a Power System to reduce transmission line losses using SVC 2020 ,		5
9	Optimal Parameter Tuning of Power Oscillation Damper by MHHO Algorithm 2019 ,		10
8	Application of Modified Harris Hawks Optimization in Power System Oscillations Damping Controller Design 2019 ,		14
7	Estimation of sensitive node for IEEE-30 bus system by load variation 2014 ,		8
6	Performance evaluation of HVDC system with ESCR variation 2012 ,		5
5	Analysis of weak AC system interface with multi-infeed HVDC 2012 ,		10
4	A Review on the Computational Methods of Power System Stabilizer for Damping Power Network Oscillations. <i>Archives of Computational Methods in Engineering</i> ,1	7.8	6
3	Gray wolf optimization-based optimal grid connected solar photovoltaic system with enhanced power quality features. <i>Concurrency Computation Practice and Experience</i> ,e6696	1.4	3

2	Lockdown impact on power systems based on experience curves and complementary bottom-up assessments during COVID-19. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-28	1.6	1
1	Solar photo voltaic module parameter extraction using a novel Hybrid Chimp-Sine Cosine Algorithm. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-20	1.6	4