Ramesh Devarapalli

List of Publications by Year
in descending order

40 papers	469 citations	840585 11 h-index	839398 18 g-index
42 all docs	42 docs citations	42 times ranked	196 citing authors

#	Article	IF	Citations
1	A hybrid modified grey wolf optimizationâ€sine cosine algorithmâ€based power system stabilizer parameter tuning in a multimachine power system. Optimal Control Applications and Methods, 2020, 41, 1143-1159.	1.3	45
2	An intelligent EGWOâ€SCAâ€CS algorithm for PSS parameter tuning under system uncertainties. International Journal of Intelligent Systems, 2020, 35, 1520-1569.	3.3	40
3	Amended GWO approach based multi-machine power system stability enhancement. ISA Transactions, 2021, 109, 152-174.	3.1	39
4	A novel hybrid algorithm for solving emerging electricity market pricing problem of microgrid. International Journal of Intelligent Systems, 2021, 36, 919-961.	3.3	23
5	Parameter extraction of solar photovoltaic module by using a novel hybrid marine predators â€“ success history based adaptive differential evolution algorithm. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-23.	1.2	22
6	Enhancing Global Maximum Power Point of Solar Photovoltaic Strings under Partial Shading Conditions Using Chimp Optimization Algorithm. Energies, 2021, 14, 4086.	1.6	21
7	A Review on the Computational Methods of Power System Stabilizer for Damping Power Network Oscillations. Archives of Computational Methods in Engineering, 2022, 29, 3713-3739.	6.0	21
8	Application of Modified Harris Hawks Optimization in Power System Oscillations Damping Controller Design. , 2019, , .		18
9	Analysis of weak AC system interface with multi-infeed HVDC. , 2012, , .		17
10	An approach to solve OPF problems using a novel hybrid whale and sine cosine optimization algorithm. Journal of Intelligent and Fuzzy Systems, 2022, 42, 957-967.	0.8	16
11	Controller parameter tuning of a single machine infinite bus system with static synchronous compensator using antlion optimization algorithm for the power system stability improvement. Advanced Control for Applications, 2020, 2, e45.	0.8	15
12	Optimal Parameter Tuning of Power Oscillation Damper by MHHO Algorithm. , 2019, , .		13
13	Solar photo voltaic module parameter extraction using a novel Hybrid Chimp-Sine Cosine Algorithm. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	1.2	13
14	Estimation of sensitive node for IEEE-30 bus system by load variation. , 2014, , .		12
15	Power and energy system oscillation damping using multi-verse optimization. SN Applied Sciences, 2021, 3, 1.	1.5	12
16	Modeling and control of dynamic battery storage system used in hybrid grid. Energy Storage, 2020, 2, e146.	2.3	11
17	Wind integrated power system to reduce emission: An application of Bat algorithm. Journal of Intelligent and Fuzzy Systems, 2022, 42, 1041-1049.	0.8	11
18	Design of Capacitive Bridge Fault Current Limiter for Low-Voltage Ride-Through Capacity Enrichment of Doubly Fed Induction Generator-Based Wind Farm. Sustainability, 2021, 13, 6656.	1.6	11

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19	Optimal Controller Parameter Tuning of PSS Using Sine-Cosine Algorithm. Studies in Computational Intelligence, 2021, , 337-360.	0.7	11
20	Global Sliding-Mode Suspension Control of Bearingless Switched Reluctance Motor under Eccentric Faults to Increase Reliability of Motor. Energies, 2020, 13, 5485.	1.6	10
21	Principal component analysis technique for early fault detection. Journal of Intelligent and Fuzzy Systems, 2022, 42, 861-872.	0.8	10
22	A novel hybrid AGWO-PSO algorithm in mitigation of power network oscillations with STATCOM. Numerical Algebra, Control and Optimization, 2021, 11, 579.	1.0	9
23	A Framework for $$H_{2} /H_infty$$ Synthesis in Damping Power Network Oscillations with STATCOM. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 927-948.	1.5	8
24	Improved Moth Flame Optimization in Systematization of STATCOM and PSS. Lecture Notes in Electrical Engineering, 2021, , 481-491.	0.3	8
25	A novel approach of intensified barnacles mating optimization for the mitigation of power system oscillations. Concurrency Computation Practice and Experience, 2021, 33, e6303.	1.4	8
26	Optimal Power Flow with BAT algorithm for a Power System to reduce transmission line losses using SVC. , 2020, , .		7
27	Performance evaluation of HVDC system with ESCR variation. , 2012, , .		6
28	Application of a Novel Political Optimization in Optimal Parameter Design of PI Controller for the BLDC motor Speed Control. , 2020, , .		6
29	Enhancing Oscillation Damping in a Power Network Using EWOA Technique. Lecture Notes in Electrical Engineering, 2021, , 27-36.	0.3	5
30	Gray wolf optimizationâ€based optimal grid connected solar photovoltaic system with enhanced power quality features. Concurrency Computation Practice and Experience, 2022, 34, e6696.	1.4	5
31	PSO Based Optimal Reactive Power Dispatch for the Enrichment of Power System Performance. Lecture Notes in Electrical Engineering, 2021, , 267-276.	0.3	4
32	A High-Gain Multiphase Interleaved Differential Capacitor Clamped Boost Converter. Electronics (Switzerland), 2022, 11, 264.	1.8	4
33	Interval Modeling of Riverol-Pilipovik Water Treatment Plant and Its Model Order Reduction. Algorithms for Intelligent Systems, 2020, , 361-367.	0.5	3
34	Seven Level Voltage Source Converter Based Static Synchronous Compensator with a Constant DC-Link Voltage. Applied Sciences (Switzerland), 2021, 11, 7330.	1.3	2
35	Lockdown impact on power systems based on experience curves and complementary bottom-up assessments during COVID-19. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-28.	1.2	1
36	Optimal placement of shunt capacitor with VCPI to improve voltage profile using Mi power. IOP Conference Series: Materials Science and Engineering, 2020, 981, 042061.	0.3	0

#	Article	IF	Citations
37	Anderson Corollary Based on New Approximation Method for Continuous Interval Systems. IEEE Access, 2021, 9, 43601-43610.	2.6	0
38	Selection and Scheduling of DG Sources for Environomic Operation Management of a Microgrid System. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 530-542.	0.5	0
39	GTO Algorithm Based Solar Photovoltaic Module Parameter Selection. , 2021, , .		0
40	I-GWO Algorithm Based Solar Photovoltaic Module Parameter Selection. , 2021, , .		0