Sidhatrha Panda

List of Publications by Citations

175 papers	5,274 citations	41 h-index	70 g-index
194 ext. papers	6,817 ext. citations	2.6 avg, IF	6.68 L-index

#	Paper	IF	Citations
175	Comparison of particle swarm optimization and genetic algorithm for FACTS-based controller design. *Applied Soft Computing Journal*, **2008**, 8, 1418-1427	7.5	242
174	DE optimized parallel 2-DOF PID controller for load frequency control of power system with governor dead-band nonlinearity. *International Journal of Electrical Power and Energy Systems*, **2013**, 49, 19-33	5.1	240
173	Controller parameters tuning of differential evolution algorithm and its application to load frequency control of multi-source power system. *International Journal of Electrical Power and Energy Systems*, **2014**, 54, 77-85	5.1	228
172	A hybrid firefly algorithm and pattern search technique for automatic generation control of multi area power systems. *International Journal of Electrical Power and Energy Systems*, **2015**, 64, 9-23	5.1	202
171	A novel hybrid PSO-PS optimized fuzzy PI controller for AGC in multi area interconnected power systems. *International Journal of Electrical Power and Energy Systems*, **2015**, 64, 880-893	5.1	181
170	Hybrid BFOA□PSO algorithm for automatic generation control of linear and nonlinear interconnected power systems. *Applied Soft Computing Journal*, **2013**, 13, 4718-4730	7.5	181
169	Simulation study for automatic generation control of a multi-area power system by ANFIS approach. *Applied Soft Computing Journal*, **2012**, 12, 333-341	7.5	178
168	Design and analysis of differential evolution algorithm based automatic generation control for interconnected power system. *Ain Shams Engineering Journal*, **2013**, 4, 409-421	4.4	172
167	Teaching□learning based optimization algorithm based fuzzy-PID controller for automatic generation control of multi-area power system. *Applied Soft Computing Journal*, **2015**, 27, 240-249	7.5	154
166	Teaching learning based optimization algorithm for automatic generation control of power system using 2-DOF PID controller. *International Journal of Electrical Power and Energy Systems*, **2016**, 77, 287-301	5.1	152
165	Design and performance analysis of PID controller for an automatic voltage regulator system using simplified particle swarm optimization. *Journal of the Franklin Institute*, **2012**, 349, 2609-2625	4	143
164	Automatic generation control of multi-area power system using multi-objective non-dominated sorting genetic algorithm-II. *International Journal of Electrical Power and Energy Systems*, **2013**, 53, 54-63	5.1	128
163	Hybrid differential evolution particle swarm optimisation optimised fuzzy proportional□integral derivative controller for automatic generation control of interconnected power system. *IET Generation, Transmission and Distribution*, **2014**, 8, 1789-1800	2.5	125
162	A novel hybrid LUS□TLBO optimized fuzzy-PID controller for load frequency control of multi-source power system. *International Journal of Electrical Power and Energy Systems*, **2016**, 74, 58-69	5.1	122
161	Application of Firefly Algorithm for Load Frequency Control of Multi-area Interconnected Power System. *Electric Power Components and Systems*, **2014**, 42, 1419-1430	1	122
160	Load frequency control of power system under deregulated environment using optimal firefly algorithm. *International Journal of Electrical Power and Energy Systems*, **2016**, 74, 195-211	5.1	110
159	Optimal gravitational search algorithm for automatic generation control of interconnected power systems. *Ain Shams Engineering Journal*, **2014**, 5, 721-733	4.4	110

158	A hybrid stochastic fractal search and pattern search technique based cascade PI-PD controller for automatic generation control of multi-source power systems in presence of plug in electric vehicles. *CAAI Transactions on Intelligence Technology*, **2017**, 2, 12-25	9.7	99
157	Design and analysis of tilt integral derivative controller with filter for load frequency control of multi-area interconnected power systems. *ISA Transactions*, **2016**, 61, 251-264	5.5	98
156	A novel hybrid gravitational search and pattern search algorithm for load frequency control of nonlinear power system. *Applied Soft Computing Journal*, **2015**, 29, 310-327	7.5	96
155	Multi-objective evolutionary algorithm for SSSC-based controller design. *Electric Power Systems Research*, **2009**, 79, 937-944	3.5	87
154	Differential evolution algorithm based automatic generation control for interconnected power systems with non-linearity. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 537-552	6.1	84
153	Firefly algorithm optimized fuzzy PID controller for AGC of multi-area multi-source power systems with UPFC and SMES **2016**, 19, 338-354		83
152	Optimal location and controller design of STATCOM for power system stability improvement using PSO. *Journal of the Franklin Institute*, **2008**, 345, 166-181	4	75
151	A novel hybrid DEPS optimized fuzzy PI/PID controller for load frequency control of multi-area interconnected power systems. *Journal of Process Control*, **2014**, 24, 1596-1608	3.9	69
150	A hybrid DEPS algorithm for load frequency control under deregulated power system with UPFC and RFB. *Ain Shams Engineering Journal*, **2015**, 6, 893-911	4.4	67
149	Multi-objective PID controller tuning for a FACTS-based damping stabilizer using Non-dominated Sorting Genetic Algorithm-II. *International Journal of Electrical Power and Energy Systems*, **2011**, 33, 1296-1308	5.1	67
148	Robust coordinated design of multiple and multi-type damping controller using differential evolution algorithm. *International Journal of Electrical Power and Energy Systems*, **2011**, 33, 1018-1030	5.1	64
147	Automatic generation control of multi-area power systems with diverse energy sources using Teaching Learning Based Optimization algorithm **2016**, 19, 113-134		62
146	Differential evolution algorithm for SSSC-based damping controller design considering time delay. *Journal of the Franklin Institute*, **2011**, 348, 1903-1926	4	62
145	Improved-salp swarm optimized type-II fuzzy controller in load frequency control of multi area islanded AC microgrid. *Sustainable Energy, Grids and Networks*, **2018**, 16, 380-392	3.6	60
144	Hybrid BFOAPSO approach for coordinated design of PSS and SSSC-based controller considering time delays. *International Journal of Electrical Power and Energy Systems*, **2013**, 49, 221-233	5.1	58
143	Tuning and Assessment of Proportional Integral Derivative Controller for an Automatic Voltage Regulator System Employing Local Unimodal Sampling Algorithm. *Electric Power Components and Systems*, **2014**, 42, 959-969	1	56
142	Automatic generation control with thyristor controlled series compensator including superconducting magnetic energy storage units. *Ain Shams Engineering Journal*, **2014**, 5, 759-774	4.4	54
141	Design and analysis of SSSC-based supplementary damping controller. *Simulation Modelling Practice and Theory*, **2010**, 18, 1199-1213	3.9	49

140	AGC of a multi-area power system under deregulated environment using redox flow batteries and interline power flow controller **2015**, 18, 555-578		48
139	Design and analysis of fuzzy PID controller with derivative filter for AGC in multi-area interconnected power system. *IET Generation, Transmission and Distribution*, **2016**, 10, 3764-3776	2.5	48
138	DE optimized fuzzy PID controller with derivative filter for LFC of multi source power system in deregulated environment. *Ain Shams Engineering Journal*, **2015**, 6, 511-530	4.4	46
137	Design and analysis of hybrid firefly algorithm-pattern search based fuzzy PID controller for LFC of multi area power systems. *International Journal of Electrical Power and Energy Systems*, **2015**, 69, 200-212	5.1	46
136	Improved grey wolf optimization technique for fuzzy aided PID controller design for power system frequency control. *Sustainable Energy, Grids and Networks*, **2018**, 16, 278-299	3.6	45
135	Differential evolutionary algorithm for TCSC-based controller design. *Simulation Modelling Practice and Theory*, **2009**, 17, 1618-1634	3.9	42
134	Design and Analysis of Tilt Integral Derivative Controller for Frequency Control in an Islanded Microgrid: A Novel Hybrid Dragonfly and Pattern Search Algorithm Approach. *Arabian Journal for Science and Engineering*, **2018**, 43, 3103-3114	2.5	40
133	A modified GWO technique based cascade PI-PD controller for AGC of power systems in presence of Plug in Electric Vehicles **2017**, 20, 427-442		38
132	ANFIS approach for SSSC controller design for the improvement of transient stability performance. *Mathematical and Computer Modelling*, **2013**, 57, 289-300		25
131	Modified whale optimization algorithm for coordinated design of fuzzy lead-lag structure-based SSSC controller and power system stabilizer. *International Transactions on Electrical Energy Systems*, **2019**, 29, e2797	2.2	25
130	Automatic generation control of power system in deregulated environment using hybrid TLBO and pattern search technique. *Ain Shams Engineering Journal*, **2020**, 11, 553-573	4.4	24
129	Design and Analysis of 2dof-PID Controller for Frequency Regulation of Multi-Microgrid Using Hybrid Dragonfly and Pattern Search Algorithm. *Journal of Control, Automation and Electrical Systems*, **2020**, 31, 813-827	1.5	23
128	Approaching hybridized GWO-SCA based type-II fuzzy controller in AGC of diverse energy source multi area power system. *Journal of King Saud University, Engineering Sciences*, **2020**, 32, 186-197	2.2	23
127	A gray wolf optimized FPD plus (1+PI) multistage controller for AGC of multisource non-linear power system. *World Journal of Engineering*, **2019**, 16, 1-13	1.8	22
126	Design and analysis of multi-stage PID controller for frequency control in an islanded micro-grid using a novel hybrid whale optimization-pattern search algorithm. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2018**, 31, e2349	1	22
125	Robust analysis and design of PID controlled AVR system using Pattern Search algorithm **2012**,		22
124	Power system stability enhancement by fractional order multi input SSSC based controller employing whale optimization algorithm. *Journal of Electrical Systems and Information Technology*, **2018**, 5, 326-336	2	20
123	A novel modified differential evolution algorithm optimized fuzzy proportional integral derivative controller for load frequency control with thyristor controlled series compensator. *Journal of Electrical Systems and Information Technology*, **2018**, 5, 944-963	2	20

122	Modified whale optimization algorithm for fractional-order multi-input SSSC-based controller design. *Optimal Control Applications and Methods*, **2018**, 39, 1802-1817	1.7	20
121	A Modified Moth Swarm Algorithm-Based Hybrid Fuzzy PDPI Controller for Frequency Regulation of Distributed Power Generation System with Electric Vehicle. *Journal of Control, Automation and Electrical Systems*, **2020**, 31, 675-692	1.5	18
120	A novel hybrid many optimizing liaisons gravitational search algorithm approach for AGC of power systems. *Automatika*, **2020**, 61, 158-178	1.6	18
119	Application of non-dominated sorting genetic algorithm-II technique for optimal FACTS-based controller design. *Journal of the Franklin Institute*, **2010**, 347, 1047-1064	4	17
118	A novel modified whale optimization algorithm for load frequency controller design of a two-area power system composing of PV grid and thermal generator. *Neural Computing and Applications*, **2020**, 32, 8205-8216	4.8	17
117	Multi-Input Single Output SSSC based damping controller design by a hybrid Improved Differential Evolution-Pattern Search approach. *ISA Transactions*, **2015**, 58, 173-85	5.5	15
116	A PD-type Multi Input Single Output SSSC damping controller design employing hybrid improved differential evolution-pattern search approach. *Applied Soft Computing Journal*, **2015**, 32, 532-543	7.5	14
115	Optimal design of a robust FO-Multistage controller for the frequency awareness of an islanded AC microgrid under i-SCA algorithm. *International Journal of Ambient Energy*, **2020**, 1-13	2	14
114	MFO algorithm based fuzzy-PID controller in automatic generation control of multi-area system **2017**,		13
113	Speed control with torque ripple reduction of switched reluctance motor by many optimizing liaison technique. *Journal of Electrical Systems and Information Technology*, **2018**, 5, 829-842	2	13
112	A hybrid firefly algorithm and pattern search technique for SSSC based power oscillation damping controller design. *Ain Shams Engineering Journal*, **2014**, 5, 1177-1188	4.4	13
111	Novel DQN optimised tilt fuzzy cascade controller for frequency stability of a tidal energy-based AC microgrid. *International Journal of Ambient Energy*, **2020**, 1-13	2	13
110	Improved-GWO designed FO based type-II fuzzy controller for frequency awareness of an AC microgrid under plug in electric vehicle. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 1879-1896	3.7	13
109	Speed control with torque ripple reduction of switched reluctance motor by Hybrid Many Optimizing Liaison Gravitational Search technique **2017**, 20, 909-921		12
108	Frequency regulation of an electric vehicle-operated micro-grid under WOA-tuned fuzzy cascade controller. *International Journal of Ambient Energy*, **2020**, 1-12	2	12
107	Adaptive differential evolution tuned hybrid fuzzy PD-PI controller for automatic generation control of power systems. *International Journal of Ambient Energy*, **2019**, 1-16	2	12
106	Gravitational search algorithm for Unified Power Flow Controller based damping controller design **2011**,		12
105	Comparative study of different controllers for automatic generation control of an interconnected hydro-thermal system with generation rate constraints **2010**,		11

104	Application of Gravitational Search Algorithm for Load Frequency Control of Multi Area Power System. *Journal of Bioinformatics and Intelligent Control*, **2013**, 2, 200-210		11
103	Application of a simplified Grey Wolf optimization technique for adaptive fuzzy PID controller design for frequency regulation of a distributed power generation system. *Protection and Control of Modern Power Systems*, **2021**, 6,	6.7	11
102	A multi-criteria optimization technique for SSSC based power oscillation damping controller design. *Ain Shams Engineering Journal*, **2016**, 7, 553-565	4.4	10
101	Supplementary damping controller design for SSSC to mitigate sub-synchronous resonance. *Mechanical Systems and Signal Processing*, **2016**, 68-69, 523-535	7.8	10
100	Notice of Removal: Comparative performance analysis of classical controllers in LFC using FA technique **2015**,		10
99	Frequency control in hybrid distributed power systems via type-2 fuzzy PID controller. *IET Renewable Power Generation*, **2021**, 15, 1706-1723	2.9	10
98	Multi-objective non dominated sorting genetic algorithm-II optimized PID controller for automatic voltage regulator systems. *Journal of Intelligent and Fuzzy Systems*, **2018**, 35, 4971-4975	1.6	9
97	Damping power system oscillations by genetically optimised PSS and TCSC controller. *International Journal of Energy Technology and Policy*, **2007**, 5, 457	1	9
96	ALO optimized NCTF controller in multi area AGC system integrated with WECS based DFIG system **2017**,		9
95	Cosine adapted modified whale optimization algorithm for control of switched reluctance motor. *Computational Intelligence*, **2020**,	2.5	9
94	A hybrid BFOA/MOL approach for FACTS-based damping controller design using modified local input signal. *International Journal of Electrical Power and Energy Systems*, **2015**, 67, 238-251	5.1	8
93	Automatic Generation Control by Hybrid Invasive Weed Optimization and Pattern Search Tuned 2-DOF PID Controller. *International Journal of Computers, Communications and Control*, **2017**, 12, 533	3.6	8
92	Grasshopper optimisation algorithm of multistage PDF + (1 + PI) controller for AGC with GDB and GRC nonlinearity of dispersed type power system. *International Journal of Ambient Energy*, **2020**, 1-13	2	8
91	Modified Salp Swarm Algorithm-Optimized Fractional-Order Adaptive Fuzzy PID Controller for Frequency Regulation of Hybrid Power System with Electric Vehicle. *Journal of Control, Automation and Electrical Systems*, **2021**, 32, 416-438	1.5	8
90	Load Frequency Control of Solar Photovoltaic/Wind/Biogas/Biodiesel Generator Based Isolated Microgrid Using Harris Hawks Optimization **2020**,		7
89	Stability Analysis in RECS-Integrated Multi-area AGC System with SOS Algorithm Based Fuzzy Controller. *Advances in Intelligent Systems and Computing*, **2019**, 225-235	0.4	7
88	Automatic generation control of diverse energy source-based multiarea power system under deep Q-network-based fuzzy-T2 controller. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2020**, 1-22	1.6	7
87	Cuckoo Search Algorithm Based Optimal Tuning of PID Structured TCSC Controller. *Smart Innovation, Systems and Technologies*, **2015**, 251-263	0.5	6

86	Firefly algorithm optimised PID controller for automatic generation control with redox flow battery. *International Journal of Computational Systems Engineering*, **2017**, 3, 48	0.2	6
85	A hybrid shuffled frog-leaping and pattern search algorithm for load frequency controller design of a two-area system composing of PV grid and thermal generator. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2020**, 33, e2694	1	6
84	A fuzzy adaptive fractional order-PID controller for frequency control of an islanded microgrid under stochastic wind/solar uncertainties. *International Journal of Ambient Energy*,1-10	2	6
83	A modified moth flame optimisation technique tuned adaptive fuzzy logic PID controller for frequency regulation of an autonomous power system. *International Journal of Sustainable Energy*, **2021**, 40, 41-68	2.7	6
82	Application of Search Group Algorithm for Automatic Generation Control of Multi-area Multi-source Power Systems. *E3S Web of Conferences*, **2019**, 87, 01005	0.5	5
81	Adaptive differential evolution based PDF plus (1+PI) controller for frequency regulation of the distributed power generation system with electric vehicle. *International Journal of Ambient Energy*, **2020**, 1-15	2	5
80	ANFIS approach for TCSC-based controller design for power system stability improvement **2010**,		5
79	Robust coordinated design of excitation and STATCOM-based controller using genetic algorithm. *International Journal of Innovative Computing and Applications*, **2008**, 1, 244	0.4	5
78	Frequency control of hybrid power system by sine fu nction adapted improved whale optimisation technique. *International Journal of Ambient Energy*, **2020**, 1-18	2	5
77	Performance Analysis of PDF+(1+PI) Controller for Load Frequency Control of the Multi Microgrid System Using Genetic Algorithm **2019**,		5
76	Analysis of Hybrid Fuzzy Logic Control Based PID Through the Filter for Frequency Regulation of Electrical Power System with Real-Time Simulation. *Journal of Control, Automation and Electrical Systems*, **2021**, 32, 439-457	1.5	5
75	Adaptive differential evolution and pattern search tuned fractional order fuzzy PID for frequency control of power systems. *International Journal of Modelling and Simulation*,1-15	1.5	5
74	Chaotic Harris Hawks Optimization based type-2 Fractional Order Fuzzy PID controller for frequency regulation of power systems. *International Journal of Ambient Energy*, **2020**, 1-13	2	4
73	Whale optimization algorithm for fuzzy lead-lag structure SSSC damping controller design **2017**,		4
72	Load frequency control with fuzzy-PID controller under restructured environment **2014**,		4
71	SSSC-based controller design employing a multi-objective optimisation technique. *International Journal of Modelling, Identification and Control*, **2013**, 18, 284	0.6	4
70	Coordinated Design of Power System Stabilizer with FACTS Based Damping Control by Using Gravitational Search Algorithm. *Journal of Bioinformatics and Intelligent Control*, **2014**, 3, 235-247		4
69	Grasshopper optimization algorithm optimized multistage controller for automatic generation control of a power system with FACTS devices. *Protection and Control of Modern Power Systems*, **2021**, 6,	6.7	4

68	Comparison of Grasshopper and Whale Optimization Algorithm for Design of FACTS Controller with Power System Stabilizer **2018**,		4
67	Salp Swarm Optimized Multistage PDF Plus (1+PI) Controller in AGC of Multi Source Based Nonlinear Power System. *Communications in Computer and Information Science*, **2018**, 789-800	0.3	4
66	A hybrid modified differential evolution-pattern search approach for SSSC based damping controller design under communication constraints. *International Journal of Systems Assurance Engineering and Management*, **2018**, 9, 962-971	1.3	3
65	A modified GWO technique based fractional order PID controller with derivative filter coefficient for AGC of power systems with plug in electric vehicles **2018**,		3
64	Gravitational Search Algorithm based Automatic Generation Control for interconnected power system **2013**,		3
63	Power system stability improvement by static synchronous series compensator-based damping controller employing gravitational search algorithm. *International Journal of Computational Science and Engineering*, **2015**, 11, 143	0.4	3
62	Design and performance analysis of PID controller for an AVR system using multi-objective non-dominated shorting genetic algorithm-II **2014**,		3
61	Design and analysis of bacteria foraging optimised TCSC-based controller for power system stability improvement. *International Journal of Data Analysis Techniques and Strategies*, **2014**, 6, 384	0.5	3
60	A comparative study of PSO-technique and fuzzy based SSSC controller for improvement of transient stability performance **2010**,		3
59	A novel approach for automatic generation control of a multi-area power system **2011**,		3
58	APPLICATION OF GENETIC ALGORITHM FOR PSS AND FACTS-BASED CONTROLLER DESIGN. *International Journal of Computational Methods*, **2008**, 05, 607-620	1.1	3
57	Application of Firefly Algorithm for AGC Under Deregulated Power System. *Smart Innovation, Systems and Technologies*, **2015**, 677-687	0.5	3
56	Performance analysis of hydrogen aqua equaliser fuel-cell on AGC of Wind-hydro-thermal power systems with sunflower algorithm optimised fuzzy-PDFPI controller. *International Journal of Ambient Energy*, **2020**, 1-14	2	3
55	MVO optimized hybrid FOFPID-LQG controller for load frequency control of an AC micro-grid system. *World Journal of Engineering*, **2020**, 17, 675-686	1.8	3
54	Sine cosine adopted HarrisUhawks optimization for function optimization and power system frequency controller design. *International Transactions on Electrical Energy Systems*, **2021**, 31, e12915	2.2	3
53	A novel sine augmented scaled sine cosine algorithm for frequency control issues of a hybrid distributed two-area power system. *Neural Computing and Applications*, **2021**, 33, 12791	4.8	3
52	Simplified grey wolf optimisation algorithm tuned adaptive fuzzy PID controller for frequency regulation of interconnected power systems. *International Journal of Ambient Energy*,1-13	2	3
51	Imperialist competitive algorithm optimized cascade controller for load frequency control of multi-microgrid system. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-23	1.6	3

50	Active power management in wind/solar farm integrated hybrid power system with AI based 3DOF-FOPID approach. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-21	1.6	3
49	A modified Grey Wolf Optimization with Cuckoo Search Algorithm for load frequency controller design of hybrid power system. *Applied Soft Computing Journal*, **2022**, 124, 109011	7.5	3
48	Notice of Removal: Comparative analysis of PID controller for an automatic voltage regulator system **2015**,		2
47	Stability enhancement with SSSC-based controller design in presence of non-linear voltage-dependent load. *International Journal of Intelligent Systems Technologies and Applications*, **2016**, 15, 163	0.5	2
46	Fractional order based controller for frequency control of hybrid power system **2019**,		2
45	Differential Evolution algorithm for model reduction of SISO discrete systems **2009**,		2
44	Optimal Location of Shunt FACTS Devices in Long Transmission Lines to Improve Transient Stability. *International Journal of Electrical Engineering and Education*, **2009**, 46, 150-163	0.6	2
43	Modelling, simulation and optimal design of a TCSC-based controller in a power system. *International Journal of Engineering Systems Modelling and Simulation*, **2009**, 1, 222	0.2	2
42	Reinforced modified equilibrium optimization technique-based MS-PID frequency regulator for a hybrid power system with renewable energy sources. *Soft Computing*,1	3.5	2
41	Power Generation Monitoring of a hybrid Power System with I-GWO designed trapezoidal type-II fuzzy Controller. *International Journal of Modelling and Simulation*,1-17	1.5	2
40	A Comparative Study Between Local and Remote Signal Using Shunt Facts Compensator Based Damping Controller **2013**, 5, 135-153		2
39	Sine Cosine Optimization Based Proportional Derivative-Proportional Integral Derivative Controller for Frequency Control of Hybrid Power System. *Advances in Intelligent Systems and Computing*, **2020**, 789-797	0.4	2
38	Salp Swarm Optimized PID Controller for Frequency Control of Hybrid Power System with UC and UPFC. *Lecture Notes in Networks and Systems*, **2021**, 117-128	0.5	2
37	An optimized fractional order cascade controller for frequency regulation of power system with renewable energies and electric vehicles. *Energy Systems*,1	1.7	2
36	An improved moth swarm algorithm based fractional order type-2 fuzzy PID controller for frequency regulation of microgrid system. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-23	1.6	2
35	DE Optimized PID Controller with Derivative Filter for AGC of Interconnected Restructured Power System. *Advances in Intelligent Systems and Computing*, **2016**, 395-403	0.4	1
34	Application of Search Group Algorithm for Automatic Generation Control of Interconnected Power System. *Advances in Intelligent Systems and Computing*, **2019**, 557-568	0.4	1
33	Modelling, simulation and optimal tuning of FACTS controller in a multi-machine power system. *International Journal of Applied Systemic Studies*, **2015**, 6, 42	0.9	1

32	A multi-objective GA method for generating Pareto solutions for coordinated design of PSS and TCSC. *International Journal of Intelligent Systems Technologies and Applications*, **2009**, 7, 430	0.5	1
31	Differential evolution algorithm for simultaneous tuning of excitation and FACTS-based controller. *International Journal of Bio-Inspired Computation*, **2010**, 2, 404	2.9	1
30	Transient stability improvement by optimally located STATCOMs employing genetic algorithm. *International Journal of Energy Technology and Policy*, **2007**, 5, 404	1	1
29	Tuning of Power System Stabilizer Employing Differential Evolution Optimization Algorithm. *Lecture Notes in Computer Science*, **2011**, 59-67	0.9	1
28	Genetically Optimized Supplementary Controller for SSSC to Damp Subsynchronous Oscillations. *Advances in Intelligent and Soft Computing*, **2012**, 481-488		1
27	Sensitivity Analysis of Load-Frequency Control of Power System Using Gravitational Search Algorithm. *Advances in Intelligent Systems and Computing*, **2014**, 249-258	0.4	1
26	Robust frequency control of hybrid power system with EV and HP **2021**,		1
25	Comparative performance analysis of hybrid differential evolution and pattern search technique for frequency control of the electric power system. *Journal of Electrical Systems and Information Technology*, **2021**, 8,	2	1
24	Design and analysis of the 2DOF-PIDN-FOID controller for frequency regulation of the electric power systems. *International Journal of Ambient Energy*,1-14	2	1
23	Application of Interval Type-2 Fuzzy PID Controller for Frequency Regulation of AC Islanded Microgrid Using Modified Equilibrium Optimization Algorithm. *Arabian Journal for Science and Engineering*, **2021**, 46, 9831-9847	2.5	1
22	Performance analysis of modified sine cosine optimized multistage FOPD-PI controller for load frequency control of an islanded microgrid system. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2021**, 34, e2923	1	1
21	**2016**,		1
20	Load frequency control of a diverse energy source integrated hybrid power system with a novel hybridized harmony search-random search algorithm designed Fuzzy-3D controller. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-22	1.6	1
19	An improved parasitism predation algorithm for frequency regulation of a virtual inertia control based AC microgrid. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2022**, 44, 1660-1677	1.6	1
18	Performance analysis of multistage PID controller for frequency regulation of multi micro-grid system using Atom Search Optimization. *International Journal of Ambient Energy*,1-29	2	1
17	Modified grasshopper optimization algorithm optimized adaptive fuzzy lead-lag controller for coordinated design of FACTS controller with PSS. *Journal of Intelligent and Fuzzy Systems*, **2022**, 1-20	1.6	1
16	Coordinated Design of Type-2 Fuzzy Lead–Lag-Structured SSSCs and PSSs for Power System Stability Improvement. *Sustainability*, **2022**, 14, 6656	3.6	1
15	Chaotic multi verse optimizer based fuzzy logic controller for frequency control of microgrids. *Evolutionary Intelligence*, **2020**, 1	1.7	0

14	Automatic Generation Control of Multi-area Power System Using Gravitational Search Algorithm. *Lecture Notes in Computer Science*, **2013**, 537-546	0.9	0
13	Bacteria foraging optimisation algorithm for tuning of PSS and STATCOM-based controller parameters. *International Journal of Data Mining, Modelling and Management*, **2013**, 5, 351	0.2	0
12	Performance Analysis and Design of Proportional Integral Derivative Controlled Automatic Voltage Regulator System Using Local Unimodal Sampling Optimization Technique. *Lecture Notes in Computer Science*, **2012**, 566-576	0.9	0
11	Analysis of Gaussian fuzzy logic-sliding model control and flexible AC transmission systems controllers for automatic generation control of hybrid power system under chaotic-water cycle algorithm approach. *International Transactions on Electrical Energy Systems*, **2021**, 31, e13163	2.2	0
10	Design and analysis of two degree of freedom tilt integral derivative controller with filter for frequency control and real time validation. *Journal of Electrical Engineering*, **2020**, 71, 388-396	0.6	0
9	Sunflower optimization based fractional order fuzzy PID controller for frequency regulation of solar-wind integrated power system with hydrogen aqua equalizer-fuel cell unit. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-19	1.6	0
8	A Modified Local Input Signal for SSSC-Based Damping Controller Design. *Electric Power Components and Systems*,1-12	1	0
7	Novel load frequency control scheme for hybrid power systems employing interline power flow controller and redox flow battery. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*,1-19	1.6	0
6	Analysis of Evaporation Rate Based Water Cycle Algorithm Tuned 2-DOF PIDF Controller for Automatic Generation Control of Power System. *Lecture Notes in Electrical Engineering*, **2022**, 483-497	0.2	0
5	Application and comparison of intelligent optimisation techniques for SSSC-based controller design. *International Journal of Intelligent Systems Technologies and Applications*, **2010**, 9, 169	0.5	
4	Selection of Control Parameters of Differential Evolution Algorithm for Economic Load Dispatch Problem. *Smart Innovation, Systems and Technologies*, **2015**, 251-260	0.5	
3	Hybrid Modified Whale Optimisation Algorithm Simulated Annealing Technique for Control of SRM. *International Journal of Applied Metaheuristic Computing*, **2021**, 12, 123-147	0.8	
2	Solar PV-Powered SRM Drive and Its Speed Control and Torque Ripple Minimization. *Advances in Sustainability Science and Technology*, **2022**, 293-306		
1	Simulation and hardware-in-the-loop real time testing of different controllers for frequency regulation of electrical power systems. *International Journal of Ambient Energy*,1-42	2	