

Gauri Shankar

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

642
citations

623734

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39
all docs

39
docs citations

39
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Load frequency control of an autonomous hybrid power system by quasi-oppositional harmony search algorithm. International Journal of Electrical Power and Energy Systems, 2016, 78, 715-734.	5.5	125
2	Automatic generation control of power system using a novel quasi-oppositional harmony search algorithm. International Journal of Electrical Power and Energy Systems, 2015, 73, 787-804.	5.5	77
3	Novel application of integral-derivative controller for performance evaluation of load frequency control of interconnected power system. IET Generation, Transmission and Distribution, 2018, 12, 3550-3560.	2.5	64
4	Quasi oppositional harmony search algorithm based controller tuning for load frequency control of multi-source multi-area power system. International Journal of Electrical Power and Energy Systems, 2016, 75, 289-302.	5.5	47
5	Quasi-oppositional harmony search algorithm based optimal dynamic load frequency control of a hybrid tidal-diesel power generation system. IET Generation, Transmission and Distribution, 2018, 12, 1099-1108.	2.5	42
6	Application of chaotic whale optimisation algorithm for transient stability constrained optimal power flow. IET Science, Measurement and Technology, 2017, 11, 1002-1013.	1.6	37
7	Maiden application of cascade integral-derivative controller for performance analysis of load frequency control of interconnected multi-source power system. IET Generation, Transmission and Distribution, 2019, 13, 5326-5338.	2.5	28
8	Power quality assessment of microgrid using fuzzy controller aided modified SRF based designed SAPF. International Transactions on Electrical Energy Systems, 2020, 30, e12289.	1.9	27
9	MPP detection of a partially shaded PV array by continuous GA and hybrid PSO. Ain Shams Engineering Journal, 2015, 6, 471-479.	6.1	20
10	Optimal load frequency control in deloaded tidal power generation plant-based interconnected hybrid power system. IET Renewable Power Generation, 2018, 12, 1864-1875.	3.1	20
11	Maiden application of cascade integral-derivative controller in load frequency control of deregulated power system. International Transactions on Electrical Energy Systems, 2020, 30, e12257.	1.9	19
12	Optimal Allocation/Sizing of DGs/Capacitors in Reconfigured Radial Distribution System Using Quasi-Reflected Slime Mould Algorithm. IEEE Access, 2021, 9, 125658-125677.	4.2	16
13	Load-following performance analysis of a microturbine for islanded and grid connected operation. International Journal of Electrical Power and Energy Systems, 2014, 55, 704-713.	5.5	15
14	Simultaneous optimal allocation and sizing of DGs and capacitors in radial distribution systems using SPEA2 considering load uncertainty. IET Generation, Transmission and Distribution, 2020, 14, 494-505.	2.5	14
15	Optimal load frequency control of hybrid renewable energy system using PSO and LQR. , 2015, , .		12
16	Crow search algorithm based optimal dynamic performance control of SVC assisted SMIB system. , 2018, , .		11
17	A Novel Application of Salp Swarm Algorithm in Load Frequency Control of Multi-Area Power System. , 2018, , .		11
18	Dynamic stability enhancement of TCSC-based tidal power generation using quasi-oppositional harmony search algorithm. IET Generation, Transmission and Distribution, 2018, 12, 2288-2298.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Load frequency control assessment of tidal power plant and capacitive energy storage systems supported microgrid. IET Generation, Transmission and Distribution, 2020, 14, 1279-1291.	2.5	9
20	Priority based optimization of PID controller for automatic voltage regulator system using gravitational search algorithm. , 2015, , .		8
21	PID parameters tuning using modified particle swarm optimization and its application in load frequency control. , 2016, , .		5
22	Optimal Sizing and Allocation of Capacitors in Radial Distribution System using Sine Cosine Algorithm. , 2018, , .		5
23	Frequency control of hybrid renewable energy system with PSO optimized controller. , 2015, , .		4
24	Investigations on Split-Source Inverter Based Shunt Active Power Filter Integrated Microgrid System for Improvement of Power Quality Issues. Journal of Electrical Engineering and Technology, 2022, 17, 2025-2047.	2.0	4
25	Load frequency control using linear quadratic regulator and differential evolution algorithm. , 2016, , .		3
26	DC-Link Capacitor Voltage Stabilization of a Shunt Active Power Filter Using Fuzzy Logic Controller Under Dynamic Loading Condition. Lecture Notes in Electrical Engineering, 2021, , 403-414.	0.4	3
27	Emperor penguin optimised self-healing strategy for WSN based smart grids. International Journal of Sensor Networks, 2020, 32, 87.	0.4	2
28	Standalone operation of wind turbine operated self excited induction generator. , 2016, , .		1
29	Modelling of Inverter Interfaced Dual Active Bridge Converter. , 2018, , .		1
30	Design and Implementation of Variable Inertia and Droop Controls on Tidal Power Generator. , 2019, , .		1
31	Integral-Tilt-Derivative Controller Based Performance Evaluation of Load Frequency Control of Deregulated Power System. Smart Innovation, Systems and Technologies, 2021, , 189-200.	0.6	1
32	Vulnerable Load Bus Identification Using Radial Basis Neural Network. Communications in Computer and Information Science, 2010, , 87-90.	0.5	1
33	Modelling and simulation of photovoltaic system for isolated and grid connected mode. , 2016, , .		0
34	Closed Loop Control of Transformerless Grid Tied Inverter. , 2018, , .		0
35	Performance Analysis of Tidal Power Generation System on Load Frequency Control. , 2018, , .		0
36	Design of Salp Swarm Algorithm-Tuned Cascade Proportional-Integral-Tilt-Derivative Controller for the Performance Study of Load Frequency Control. Lecture Notes in Electrical Engineering, 2021, , 167-175.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Frequency Control of Wind Power Plant Assisted Hybrid Power System. Lecture Notes in Electrical Engineering, 2021, , 707-718.	0.4	0
38	Prediction of System Inertia and its Effect to Integrate Tidal Generators. , 2022, , .		0