

# Gauri Shankar

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

642  
citations

623734

14  
h-index

752698

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Prediction of System Inertia and its Effect to Integrate Tidal Generators. , 2022, , .		0
3	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
4	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
5	Frequency Control of Wind Power Plant Assisted Hybrid Power System. Lecture Notes in Electrical Engineering, 2021, , 707-718.	0.4	0
6	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
7	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
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	Maiden application of cascade tilt-Integral-derivative controller in load frequency control of deregulated power system. International Transactions on Electrical Energy Systems, 2020, 30, e12257.	1.9	19
10	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
11	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
12	Emperor penguin optimised self-healing strategy for WSN based smart grids. International Journal of Sensor Networks, 2020, 32, 87.	0.4	2
13	Design and Implementation of Variable Inertia and Droop Controls on Tidal Power Generator. , 2019, , .		1
14	Maiden application of cascade tilt-Integral-tilt-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
15	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
16	Modelling of Inverter Interfaced Dual Active Bridge Converter. , 2018, , .		1
17	Closed Loop Control of Transformerless Grid Tied Inverter. , 2018, , .		0
18	Optimal Sizing and Allocation of Capacitors in Radial Distribution System using Sine Cosine Algorithm. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Crow search algorithm based optimal dynamic performance control of SVC assisted SMIB system. , 2018, , .		11
20	Performance Analysis of Tidal Power Generation System on Load Frequency Control. , 2018, , .		0
21	A Novel Application of Salp Swarm Algorithm in Load Frequency Control of Multi-Area Power System. , 2018, , .		11
22	Optimal load frequency control in deloaded tidal power generation plantâ€based interconnected hybrid power system. IET Renewable Power Generation, 2018, 12, 1864-1875.	3.1	20
23	Dynamic stability enhancement of TCSCâ€based tidal power generation using quasiâ€oppositional harmony search algorithm. IET Generation, Transmission and Distribution, 2018, 12, 2288-2298.	2.5	9
24	Novel application of integralâ€tiltâ€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
25	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
26	Load frequency control using linear quadratic regulator and differential evolution algorithm. , 2016, , .		3
27	Modelling and simulation of photovoltaic system for isolated and grid connected mode. , 2016, , .		0
28	Standalone operation of wind turbine operated self excited induction generator. , 2016, , .		1
29	PID parameters tuning using modified particle swarm optimization and its application in load frequency control. , 2016, , .		5
30	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
31	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
32	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
33	Optimal load frequency control of hybrid renewable energy system using PSO and LQR. , 2015, , .		12
34	Priority based optimization of PID controller for automatic voltage regulator system using gravitational search algorithm. , 2015, , .		8
35	Frequency control of hybrid renewable energy system with PSO optimized controller. , 2015, , .		4
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Vulnerable Load Bus Identification Using Radial Basis Neural Network. Communications in Computer and Information Science, 2010, , 87-90.	0.5	1