

# Surya Prakash

## List of Publications by Year in descending order

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25  
papers

601  
citations

759055

12  
h-index

887953

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensing, Controlling, and IoT Infrastructure in Smart Building: A Review. IEEE Sensors Journal, 2019, 19, 9036-9046.	2.4	134
2	Simulation based neuro-fuzzy hybrid intelligent PI control approach in four-area load frequency control of interconnected power system. Applied Soft Computing Journal, 2014, 23, 152-164.	4.1	101
3	Frequency stabilization in deregulated energy system using coordinated operation of fuzzy controller and redox flow battery. International Journal of Energy Research, 2021, 45, 7457-7475.	2.2	75
4	Frequency excursion mitigation strategy using a novel COA optimised fuzzy controller in wind integrated power systems. IET Renewable Power Generation, 2020, 14, 4071-4085.	1.7	58
5	Optimal Fractional-Order Tilted-Integral-Derivative Controller for Frequency Stabilization in Hybrid Power System Using Salp Swarm Algorithm. Electric Power Components and Systems, 2020, 48, 1912-1931.	1.0	26
6	MVO Algorithm Based LFC Design of a Six-Area Hybrid Diverse Power System Integrating IPFC and RFB. IETE Journal of Research, 2021, 67, 394-407.	1.8	25
7	Load Frequency Control of Multi-area Power Systems Using Neuro-Fuzzy Hybrid Intelligent Controllers. IETE Journal of Research, 2015, 61, 526-532.	1.8	22
8	Utilizing Electric Vehicles and Renewable Energy Sources for Load Frequency Control in Deregulated Power System Using Emotional Controller. IETE Journal of Research, 2022, 68, 1500-1511.	1.8	18
9	Frequency stabilization in sustainable energy sources integrated power systems using novel cascade noninteger fuzzy controller. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 6213-6235.	1.2	17
10	Automatic Load Frequency Control of Six Areas™ Hybrid Multi-Generation Power Systems Using Neuro-Fuzzy Intelligent Controller. IETE Journal of Research, 2018, 64, 471-481.	1.8	15
11	Frequency Regulation in PV integrated Power System using MFO tuned PIDF controller. , 2018, , .		15
12	Robust Load Frequency Control Using Fractional-order TID-PD Approach Via Salp Swarm Algorithm. IETE Journal of Research, 2023, 69, 2710-2726.	1.8	15
13	Robustness Analysis of LFC for Multi Area Power System integrated with SMES™TCPS by Artificial Intelligent Technique. Journal of Electrical Engineering and Technology, 2019, 14, 97-110.	1.2	13
14	Load frequency control of multi-area hybrid power system integrated with renewable energy sources utilizing FACTS & energy storage system. Environmental Progress and Sustainable Energy, 2020, 39, e13329.	1.3	13
15	Grasshopper optimisation based robust power/frequency regulator for shipboard micro-grid. IET Renewable Power Generation, 2020, 14, 3568-3577.	1.7	13
16	AI-based Building Management and Information System with Multi-agent Topology for an Energy-efficient Building: Towards Occupants Comfort. IETE Journal of Research, 2023, 69, 1033-1044.	1.8	11
17	ALFC of hybrid multi-generation power system using UC and TCPS by ANFIS control technique. International Journal of Electronics, 2019, 106, 174-211.	0.9	7
18	Considering Various Equivalent Circuits for Solar PV Array Modelling. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
19	Load Frequency Control of Two Area Interconnected Power System using SSSC with PID, Fuzzy and Neural Network Based Controllers. , 2018, , .		6
20	A Comparative Analysis of Data-Driven Based Optimization Models for Energy-Efficient Buildings. IETE Journal of Research, 2023, 69, 796-812.	1.8	6
21	Unaddressed threat to power grid infrastructure: Electromagnetic pulse. , 2016, , .		2
22	A novel energy management system for modified zero energy buildings using multi-agent systems. , 2017, , .		2
23	PV and EV generation to reduce change in frequency and change in tie-line power fluctuations in three area power system. , 2017, , .		1
24	Effect of FACTS on load frequency control in deregulated environment. , 2016, , .		0
25	Parameter Estimation of Solar Photovoltaic and Impact of Environmental Conditions on Its Performance. , 2021, , 201-234.		0