

Amitkumar V Jha

List of Publications by Year in descending order

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87
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#	ARTICLE	IF	CITATIONS
1	Emerging technologies and design aspects of next generation cyber physical system with a smart city application perspective. International Journal of Systems Assurance Engineering and Management, 2023, 14, 699-721.	1.5	14
2	A TRIPLE BAND HIGHLY SENSITIVE REFRACTIVE INDEX SENSOR USING TERAHERTZ METAMATERIAL PERFECT ABSORBER. Progress in Electromagnetics Research M, 2022, 107, 13-23.	0.5	14
3	Resiliency Estimation of Synchrophasor Communication Networks in a Wide Area Measurement System. Frontiers in Energy Research, 2022, 10, .	1.2	2
4	Improved Squirrel Search Algorithm Driven Cascaded 2DOF-PID-FOI Controller for Load Frequency Control of Renewable Energy Based Hybrid Power System. IEEE Access, 2022, 10, 46372-46391.	2.6	12
5	A Biomedical Sensor for Detection of Cancer Cells Based on Terahertz Metamaterial Absorber. , 2022, 6, 1-4.		26
6	Blockchain-Enabled Smart Grid Applications: Architecture, Challenges, and Solutions. Sustainability, 2022, 14, 8801.	1.6	26
7	PAPR Reduction of Filter Bank Techniques for 5G Communication Systems. Springer Series in Wireless Technology, 2021, , 171-189.	1.1	1
8	Hybrid Gravitationalâ€“Firefly Algorithm-Based Load Frequency Control for Hydrothermal Two-Area System. Mathematics, 2021, 9, 712.	1.1	23
9	Load Frequency Control Using Hybrid Intelligent Optimization Technique for Multi-Source Power Systems. Energies, 2021, 14, 1581.	1.6	39
10	Communication Networks for Metropolitan E-Health Applications. IEEE Potentials, 2021, 40, 34-42.	0.2	5
11	Communication infrastructure for situational awareness enhancement in WAMS with optimal PMU placement. Protection and Control of Modern Power Systems, 2021, 6, .	4.3	29
12	An Optimized Triggering Algorithm for Event-Triggered Control of Networked Control Systems. Mathematics, 2021, 9, 1262.	1.1	7
13	A Comprehensive Risk Assessment Framework for Synchrophasor Communication Networks in a Smart Grid Cyber Physical System with a Case Study. Energies, 2021, 14, 3428.	1.6	12
14	An Improved Particle Swarm Optimization Technique and its Application in Load Frequency Control. , 2021, , .		3
15	A Terahertz Metamaterial Absorber Based Refractive Index Sensor with High Quality Factor. , 2021, , .		6
16	A Three-Phase Resonant Boost Inverter Fed Brushless DC Motor Drive for Electric Vehicles. Electronics (Switzerland), 2021, 10, 1799.	1.8	1
17	State-of-the-Art Review on IoT Threats and Attacks: Taxonomy, Challenges and Solutions. Sustainability, 2021, 13, 9463.	1.6	31
18	Event-Triggered Fractional-Order PID Control of Fractional-Order Networked Control System. Lecture Notes in Electrical Engineering, 2021, , 205-216.	0.3	1

#	ARTICLE	IF	CITATIONS
19	A Theoretical Terahertz Metamaterial Absorber Structure with a High Quality Factor Using Two Circular Ring Resonators for Biomedical Sensing. Inventions, 2021, 6, 78.	1.3	22
20	Selection of Gradient Descent Optimizers for Convolutional Neural Network Based Brain Tumor Detectors. , 2021, , .		0
21	Centralized Airflow Control to Reduce Output Power Variation in a Complex OWC Ocean Energy Network. Complexity, 2020, 2020, 1-16.	0.9	7
22	PID Control of the OWC Plant to Improve Ocean Wave Energy Capture. , 2020, , .		2
23	Performance Evaluation of Network Layer Routing Protocols on Wireless Sensor Networks. , 2019, , .		6
24	Performance Evaluation of Routing Protocols in Synchronphasor Communication Networks. , 2019, , .		7
25	The PI Controllers and its optimal tuning for Load Frequency Control (LFC) of Hybrid Hydro-thermal Power Systems. , 2019, , .		9
26	Automatic Generation Control for Hybrid Hydro-Thermal System using Soft Computing Techniques. , 2018, , .		8
27	The 4s/3t Sum-Networks and Solvability. , 2018, , .		0