

# Sheraz Aslam

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,323  
citations

430442

18  
h-index

377514

34  
g-index

49  
all docs

49  
docs citations

49  
times ranked

966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy forecasting using multiheaded convolutional neural networks in efficient renewable energy resources equipped with energy storage system. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3837.	2.6	19
2	Multiscale modeling in smart cities: A survey on applications, current trends, and challenges. Sustainable Cities and Society, 2022, 78, 103517.	5.1	35
3	A Comprehensive Review of Computing Paradigms, Enabling Computation Offloading and Task Execution in Vehicular Networks. IEEE Access, 2022, 10, 3580-3600.	2.6	28
4	Towards Enhancing the Robustness of Scale-Free IoT Networks by an Intelligent Rewiring Mechanism. Sensors, 2022, 22, 2658.	2.1	7
5	Brain Decoding Using fMRI Images for Multiple Subjects through Deep Learning. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-10.	0.7	1
6	Optimized Fractional Order Integral-Tilt Derivative Controller for Frequency Regulation of Interconnected Diverse Renewable Energy Resources. IEEE Access, 2022, 10, 43514-43527.	2.6	40
7	Synthetic Theft Attacks and Long Short Term Memory-Based Preprocessing for Electricity Theft Detection Using Gated Recurrent Unit. Energies, 2022, 15, 2778.	1.6	18
8	Electricity theft detection using big data and genetic algorithm in electric power systems. Electric Power Systems Research, 2022, 209, 107975.	2.1	15
9	Optimizing Multi-Quay Berth Allocation using the Cuckoo Search Algorithm. , 2022, , .		2
10	A Numerical Approach for Solving Nonlinear Optimal Control Problems Using the Hybrid Scheme of Fitness Dependent Optimizer and Bernstein Polynomials. IEEE Access, 2022, 10, 50298-50313.	2.6	3
11	Optimization of Demand Response and Power-Sharing in Microgrids for Cost and Power Losses. Energies, 2022, 15, 3274.	1.6	8
12	Enhanced Berth Allocation Using the Cuckoo Search Algorithm. SN Computer Science, 2022, 3, .	2.3	3
13	Towards Interoperable Blockchains: A Survey on the Role of Smart Contracts in Blockchain Interoperability. IEEE Access, 2021, 9, 116672-116691.	2.6	31
14	Contrast Enhancement of Fundus Images by Employing Modified PSO for Improving the Performance of Deep Learning Models. IEEE Access, 2021, 9, 47930-47945.	2.6	34
15	A Fair Pricing Mechanism in Smart Grids for Low Energy Consumption Users. IEEE Access, 2021, 9, 22035-22044.	2.6	32
16	Dynamic and Continuous Berth Allocation using Cuckoo Search Optimization. , 2021, , .		3
17	Automatic Generation Control Strategies in Conventional and Modern Power Systems: A Comprehensive Overview. Energies, 2021, 14, 2376.	1.6	46
18	Short-Term Electricity Price Forecasting by Employing Ensemble Empirical Mode Decomposition and Extreme Learning Machine. Forecasting, 2021, 3, 460-477.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Techno-Economic Planning and Operation of the Microgrid Considering Real-Time Pricing Demand Response Program. <i>Energies</i> , 2021, 14, 4597.	1.6	42
20	A survey on deep learning methods for power load and renewable energy forecasting in smart microgrids. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110992.	8.2	243
21	Automatic Generation Control of Multi-Source Interconnected Power System Using FOI-TD Controller. <i>Energies</i> , 2021, 14, 5867.	1.6	33
22	Big Maritime Data Management. <i>Progress in IS</i> , 2021, , 313-334.	0.5	3
23	Dynamic and Continuous Berth Allocation using Cuckoo Search Optimization. , 2021, , .		0
24	Noise Free Fully Homomorphic Encryption Scheme Over Non-Associative Algebra. <i>IEEE Access</i> , 2020, 8, 136524-136536.	2.6	7
25	Time and Cost Efficient Cloud Resource Allocation for Real-Time Data-Intensive Smart Systems. <i>Energies</i> , 2020, 13, 5706.	1.6	6
26	RL-MADP: Reinforcement Learning-based Misdirection Attack Prevention Technique for WSN. , 2020, , .		4
27	Towards Energy Efficiency and Power Trading Exploiting Renewable Energy in Cloud Data Centers. , 2020, , .		8
28	Empowering Cloud of Things with Edge Computing: A Comparative Analysis. , 2020, , .		4
29	A Lightweight Post-Quantum Lattice-Based RSA for Secure Communications. <i>IEEE Access</i> , 2020, 8, 99273-99285.	2.6	19
30	Internet of Ships: A Survey on Architectures, Emerging Applications, and Challenges. <i>IEEE Internet of Things Journal</i> , 2020, 7, 9714-9727.	5.5	112
31	Towards efficient energy management in smart grids considering microgrids with day-ahead energy forecasting. <i>Electric Power Systems Research</i> , 2020, 182, 106232.	2.1	78
32	An Efficient Home Energy Management and Power Trading in Smart Grid. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 231-241.	0.5	1
33	Towards Electricity Cost Alleviation by Integrating RERs in a Smart Community: A Case Study. , 2019, , .		8
34	Hybrid meta-heuristic optimization based home energy management system in smart grid. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4837-4853.	3.3	78
35	Deep Learning Based Techniques to Enhance the Performance of Microgrids: A Review. , 2019, , .		12
36	Fuzzy energy management controller and scheduler for smart homes. <i>Sustainable Computing: Informatics and Systems</i> , 2019, 21, 103-118.	1.6	61

#	ARTICLE	IF	CITATIONS
37	Demand side management for residential areas using hybrid bacterial foraging and bat optimization algorithm: Demand side management using hybrid bacterial foraging and bat optimization algorithm. , 2018, , .		2
38	An Efficient Home Energy Management Scheme Using Cuckoo Search. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 167-178.	0.5	5
39	An Efficient Energy Management Approach Using Fog-as-a-Service for Sharing Economy in a Smart Grid. Energies, 2018, 11, 3500.	1.6	34
40	A Game Theoretic-based Approach for Appliances Scheduling with Real-time Co-ordination in Smart Grid. , 2018, , .		0
41	Optimal power flow control in a smart micro-grid using bird swarm algorithm. , 2018, , .		1
42	An Efficient Home Energy Optimization by Using Meta-heuristic Techniques While Incorporating Game-theoretic Approach for Real-time Coordination Among Home Appliances. , 2018, , .		2
43	Towards Efficient Energy Management and Power Trading in a Residential Area via Integrating a Grid-Connected Microgrid. Sustainability, 2018, 10, 1245.	1.6	57
44	A mixed integer linear programming based optimal home energy management scheme considering grid-connected microgrids. , 2018, , .		19
45	Energy efficient buildings based on occupants behaviour: A survey. , 2018, , .		1
46	A Domestic Microgrid with Optimized Home Energy Management System. Energies, 2018, 11, 1002.	1.6	37
47	Comparative study of meta-heuristic approaches towards utilization of home energy management: Comparative meta-heuristic approaches. , 2018, , .		0
48	Towards Efficient Energy Management of Smart Buildings Exploiting Heuristic Optimization with Real Time and Critical Peak Pricing Schemes. Energies, 2017, 10, 2065.	1.6	105