Nadeem Javaid

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

772 papers	10,209 citations	45 h-index	75 g-index
854 ext. papers	13,118 ext. citations	2 avg, IF	7.05 L-index

#	Paper	IF	Citations
772	Exploiting Machine Learning to Detect Malicious Nodes in Intelligent Sensor-Based Systems Using Blockchain. *Wireless Communications and Mobile Computing*, **2022**, 2022, 1-16	1.9	2
771	Blockchain Based Secure Routing and Trust Management in Wireless Sensor Networks.. *Sensors*, **2022**, 22,	3.8	7
770	A Secure and Efficient Energy Trading Model Using Blockchain for a 5G-Deployed Smart Community. *Wireless Communications and Mobile Computing*, **2022**, 2022, 1-27	1.9	2
769	Blockchain based Secure Energy Trading with Mutual Verifiable Fairness in a Smart Community. *IEEE Transactions on Industrial Informatics*, **2022**, 1-1	11.9	5
768	A secure energy trading system for electric vehicles in smart communities using blockchain. *Sustainable Cities and Society*, **2022**, 79, 103678	10.1	4
767	Data Augmentation using BiWGAN, Feature Extraction and Classification by Hybrid 2DCNN and BiLSTM to Detect Non-Technical Losses in Smart Grids. *IEEE Access*, **2022**, 1-1	3.5	4
766	AlexNet, AdaBoost and Artificial Bee Colony based Hybrid Model for Electricity Theft Detection in Smart Grids. *IEEE Access*, **2022**, 1-1	3.5	1
765	Towards Efficient Energy Utilization Using Big Data Analytics in Smart Cities for Electricity Theft Detection. *Big Data Research*, **2022**, 27, 100285	3.7	4
764	Cooperative energy transactions in micro and utility grids integrating energy storage systems. *Journal of Parallel and Distributed Computing*, **2022**, 161, 48-62	4.4	1
763	A Secure and Efficient Trust Model for Wireless Sensor IoTs Using Blockchain. *IEEE Access*, **2022**, 1-1	3.5	5
762	Blockchained service provisioning and malicious node detection via federated learning in scalable Internet of Sensor Things networks. *Computer Networks*, **2022**, 204, 108691	5.4	7
761	Computationally efficient topology optimization of scale-free IoT networks. *Computer Communications*, **2022**, 185, 1-12	5.1	0
760	Comparative Study of Data Driven Approaches Towards Efficient Electricity Theft Detection in Micro Grids. *Lecture Notes in Networks and Systems*, **2022**, 120-131	0.5	0
759	Towards Energy Efficient Smart Grids: Data Augmentation Through BiWGAN, Feature Extraction and Classification Using Hybrid 2DCNN and BiLSTM. *Lecture Notes in Networks and Systems*, **2022**, 108-119	0.5	
758	A Blockchain Based Secure Authentication and Routing Mechanism for Wireless Sensor Networks. *Lecture Notes in Networks and Systems*, **2022**, 87-95	0.5	1
757	An Efficient Approach to Enhance the Robustness of Scale-Free Networks. *Lecture Notes in Networks and Systems*, **2022**, 76-86	0.5	
756	Blockchain Based Authentication and Trust Evaluation Mechanism for Secure Routing in Wireless Sensor Networks. *Lecture Notes in Networks and Systems*, **2022**, 96-107	0.5	1

755	Data Driven Analysis for Electricity Theft Attack-Resilient Power Grid. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	
754	A Survey of Preprocessing Methods Used for Analysis of Big Data Originated From Smart Grids. *IEEE Access*, **2022**, 10, 29149-29171	3.5	5
753	Blockchain Based Authentication and Cluster Head Selection Using DDR-LEACH in Internet of Sensor Things.. *Sensors*, **2022**, 22,	3.8	4
752	Synthetic Theft Attacks and Long Short Term Memory-Based Preprocessing for Electricity Theft Detection Using Gated Recurrent Unit. *Energies*, **2022**, 15, 2778	3.1	2
751	Electricity theft detection using big data and genetic algorithm in electric power systems. *Electric Power Systems Research*, **2022**, 209, 107975	3.5	0
750	Non-technical losses detection using autoencoder and bidirectional gated recurrent unit to secure smart grids. *IEEE Access*, **2022**, 1-1	3.5	2
749	Corrections to A Secure and Efficient Trust Model for Wireless Sensor IoTs Using Blockchain *IEEE Access*, **2022**, 10, 55888-55888	3.5	
748	A PLSTM, AlexNet and ESNN Based Ensemble Learning Model for Detecting Electricity Theft in Smart Grids. *IEEE Access*, **2021**, 9, 162935-162950	3.5	4
747	Multiscale modeling in smart cities: A survey on applications, current trends, and challenges. *Sustainable Cities and Society*, **2021**, 103517	10.1	8
746	A Stacked Machine and Deep Learning-based Approach for Analysing Electricity Theft in Smart Grids. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	5
745	A Cost-Effective Optimization for Scheduling of Household Appliances and Energy Resources. *IEEE Access*, **2021**, 9, 160145-160162	3.5	3
744	A Bio-Inspired Heuristic Algorithm for Solving Optimal Power Flow Problem in Hybrid Power System. *IEEE Access*, **2021**, 9, 159809-159826	3.5	2
743	A Two-Stage Privacy Preservation and Secure Peer-to-Peer Energy Trading Model Using Blockchain and Cloud-Based Aggregator. *IEEE Access*, **2021**, 9, 143121-143137	3.5	4
742	Securing Genetic Algorithm Enabled SDN Routing for Blockchain Based Internet of Things. *IEEE Access*, **2021**, 9, 139739-139754	3.5	11
741	A consortium blockchain based energy trading scheme for Electric Vehicles in smart cities. *Journal of Information Security and Applications*, **2021**, 63, 102998	3.5	5
740	Electricity Theft Detection Using Machine Learning Techniques to Secure Smart Grid. *Advances in Intelligent Systems and Computing*, **2021**, 233-243	0.4	0
739	Green Fog: Cost Efficient Real Time Power Management Service for Green Community. *Advances in Intelligent Systems and Computing*, **2021**, 142-155	0.4	
738	A blockchain based incentive provisioning scheme for traffic event validation and information storage in VANETs. *Information Processing and Management*, **2021**, 58, 102464	6.3	28

737	Big data analytics for identifying electricity theft using machine learning approaches in microgrids for smart communities. *Concurrency Computation Practice and Experience*, **2021**, 33, e6316	1.4	6
736	A review on optimization strategies integrating renewable energy sources focusing uncertainty factor Paving path to eco-friendly smart cities. *Sustainable Computing: Informatics and Systems*, **2021**, 30, 100559	3	5
735	Big Data Analytics for Electricity Theft Detection in Smart Grids **2021**,		3
734	An Incentive and Reputation Mechanism Based on Blockchain for Crowd Sensing Network. *Journal of Sensors*, **2021**, 2021, 1-14	2	6
733	A secure blockchain-based demurrage mechanism for energy trading in smart communities. *International Journal of Energy Research*, **2021**, 45, 297-315	4.5	13
732	Impact of photovoltaic self-consumption curtailment on building-to-grid operations. *International Journal of Electrical Power and Energy Systems*, **2021**, 124, 106374	5.1	4
731	Using GANCNN and ERNET for Detection of Non Technical Losses to Secure Smart Grids. *IEEE Access*, **2021**, 9, 98679-98700	3.5	3
730	A Novel Approach to Network Topology Evolution and Robustness Optimization of Scale Free Networks. *Lecture Notes in Networks and Systems*, **2021**, 214-224	0.5	0
729	Blockchain and IPFS Based Service Model for the Internet of Things. *Lecture Notes in Networks and Systems*, **2021**, 259-270	0.5	1
728	Alexnet-Adaboost-ABC Based Hybrid Neural Network for Electricity Theft Detection in Smart Grids. *Lecture Notes in Networks and Systems*, **2021**, 249-258	0.5	1
727	. *IEEE Access*, **2021**, 9, 25036-25061	3.5	17
726	Electricity Theft Detection in Smart Meters Using a Hybrid Bi-directional GRU Bi-directional LSTM Model. *Lecture Notes in Networks and Systems*, **2021**, 297-308	0.5	1
725	Detection of Non-Technical Losses Using MLP-GRU Based Neural Network to Secure Smart Grids. *Lecture Notes in Networks and Systems*, **2021**, 383-394	0.5	0
724	Blockchain Enabled Secure and Efficient Reputation Management for Vehicular Energy Network. *Lecture Notes in Networks and Systems*, **2021**, 406-416	0.5	1
723	A Robust Hybrid Deep Learning Model for Detection of Non-Technical Losses to Secure Smart Grids. *IEEE Access*, **2021**, 9, 128663-128678	3.5	6
722	Electricity Consumption Forecasting Using Gated-FCN With Ensemble Strategy. *IEEE Access*, **2021**, 9, 131365-131381	3.5	0
721	Synthetic Theft Attacks Implementation for Data Balancing and a Gated Recurrent Unit Based Electricity Theft Detection in Smart Grids. *Lecture Notes in Networks and Systems*, **2021**, 395-405	0.5	2
720	Electricity Theft Detection With Automatic Labeling and Enhanced RUSBoost Classification Using Differential Evolution and Jaya Algorithm. *IEEE Access*, **2021**, 9, 128521-128539	3.5	1

719	A Privacy Preserving Hybrid Blockchain Based Announcement Scheme for Vehicular Energy Network. *Lecture Notes in Networks and Systems*, **2021**, 142-151	0.5	2
718	Blockchain Based Authentication for End-Nodes and Efficient Cluster Head Selection in Wireless Sensor Networks. *Lecture Notes in Networks and Systems*, **2021**, 195-205	0.5	
717	A survey on deep learning methods for power load and renewable energy forecasting in smart microgrids. *Renewable and Sustainable Energy Reviews*, **2021**, 144, 110992	16.2	59
716	An adaptive synthesis to handle imbalanced big data with deep siamese network for electricity theft detection in smart grids. *Journal of Parallel and Distributed Computing*, **2021**, 153, 44-52	4.4	15
715	A Hybrid Deep Neural Network for Electricity Theft Detection Using Intelligent Antenna-Based Smart Meters. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-19	1.9	5
714	Integration of context awareness in Internet of Agricultural Things. *ICT Express*, **2021**,	4.9	6
713	Towards sustainable smart cities: A secure and scalable trading system for residential homes using blockchain and artificial intelligence. *Sustainable Cities and Society*, **2021**, 76, 103371	10.1	5
712	Futuristic blockchain based scalable and cost-effective 5G vehicular network architecture. *Vehicular Communications*, **2021**, 31, 100386	5.7	2
711	A multi-objective energy optimization in smart grid with high penetration of renewable energy sources. *Applied Energy*, **2021**, 299, 117104	10.7	17
710	Q-learning based energy-efficient and void avoidance routing protocol for underwater acoustic sensor networks. *Computer Networks*, **2021**, 197, 108309	5.4	6
709	Decoupled building-to-transmission-network for frequency support in PV systems dominated grid. *Renewable Energy*, **2021**, 178, 930-945	8.1	1
708	A Secure Trust Method for Multi-Agent System in Smart Grids Using Blockchain. *IEEE Access*, **2021**, 9, 59848-59859	3.5	10
707	Blockchain-based secure multi-resource trading model for smart marketplace. *Computing (Vienna/New York)*, **2021**, 103, 379-400	2.2	4
706	Blockchain Based Data and Energy Trading in Internet of Electric Vehicles. *IEEE Access*, **2021**, 9, 7000-7020	3.5	22
705	A Combined Deep Learning and Ensemble Learning Methodology to Avoid Electricity Theft in Smart Grids. *Energies*, **2020**, 13, 5599	3.1	17
704	**2020**,		2
703	Enhanced Classification with Logistic Regression for Short Term Price and Load Forecasting in Smart Homes **2020**,		1
702	A survey on hyperparameters optimization algorithms of forecasting models in smart grid. *Sustainable Cities and Society*, **2020**, 61, 102275	10.1	30

701	Unification of RF energy harvesting schemes under mixed Rayleigh-Rician fading channels. *AEU - International Journal of Electronics and Communications*, **2020**, 123, 153244	2.8	1
700	Detection of Non-Technical Losses Using SOSTLink and Bidirectional Gated Recurrent Unit to Secure Smart Meters. *Applied Sciences (Switzerland)*, **2020**, 10, 3151	2.6	25
699	A Blockchain-Based Load Balancing in Decentralized Hybrid P2P Energy Trading Market in Smart Grid. *IEEE Access*, **2020**, 8, 47047-47062	3.5	48
698	Blockchain-Based Secure Data Storage for Distributed Vehicular Networks. *Applied Sciences (Switzerland)*, **2020**, 10, 2011	2.6	36
697	LSTM and Bat-Based RUSBoost Approach for Electricity Theft Detection. *Applied Sciences (Switzerland)*, **2020**, 10, 4378	2.6	32
696	DIEER: Delay-Intolerant Energy-Efficient Routing with Sink Mobility in Underwater Wireless Sensor Networks. *Sensors*, **2020**, 20,	3.8	13
695	Cost Efficient Real Time Electricity Management Services for Green Community Using Fog. *Energies*, **2020**, 13, 3164	3.1	2
694	Towards Void Hole Alleviation: Enhanced GEographic and Opportunistic Routing Protocols in Harsh Underwater WSNs. *IEEE Access*, **2020**, 8, 96592-96605	3.5	9
693	Analysis of Packet Diversity in Buffer-Aided Relaying over Symmetric and Asymmetric Rayleigh Fading Channels. *Symmetry*, **2020**, 12, 241	2.7	1
692	Leveraging Blockchain Technology for Secure Energy Trading and Least-Cost Evaluation of Decentralized Contributions to Electrification in Sub-Saharan Africa. *Entropy*, **2020**, 22,	2.8	12
691	. *IEEE Access*, **2020**, 8, 16876-16892	3.5	19
690	Data Sharing System Integrating Access Control Mechanism using Blockchain-Based Smart Contracts for IoT Devices. *Applied Sciences (Switzerland)*, **2020**, 10, 488	2.6	63
689	Towards efficient energy management in smart grids considering microgrids with day-ahead energy forecasting. *Electric Power Systems Research*, **2020**, 182, 106232	3.5	50
688	Towards Modified Entropy Mutual Information Feature Selection to Forecast Medium-Term Load Using a Deep Learning Model in Smart Homes. *Entropy*, **2020**, 22,	2.8	14
687	Study of buffer-aided cooperative NOMA using incremental relaying in wireless networks. *Physical Communication*, **2020**, 39, 101011	2.2	1
686	Blockchain Based Sustainable Local Energy Trading Considering Home Energy Management and Demurrage Mechanism. *Sustainability*, **2020**, 12, 3385	3.6	34
685	Blockchain-Based Agri-Food Supply Chain: A Complete Solution. *IEEE Access*, **2020**, 8, 69230-69243	3.5	90
684	TACMA: total annual cost minimization algorithm for optimal sizing of hybrid energy systems. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 5785-5805	3.7	3

683	Leveraging Fine-Grained Access Control in Blockchain-Based Healthcare System. *Advances in Intelligent Systems and Computing*, **2020**, 106-115	0.4	3
682	Scheduling Charging of Electric Vehicles in a Secured Manner by Emphasizing Cost Minimization Using Blockchain Technology and IPFS. *Sustainability*, **2020**, 12, 5151	3.6	13
681	Half Hourly Electricity Load Forecasting Using Convolutional Neural Network. *Advances in Intelligent Systems and Computing*, **2020**, 172-184	0.4	
680	An Innovative Model Based on FCRBM for Load Forecasting in the Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 604-617	0.4	
679	Wind Power Forecasting Based on Efficient Deep Convolution Neural Networks. *Lecture Notes in Networks and Systems*, **2020**, 47-56	0.5	1
678	Data Sharing System Integrating Access Control Based on Smart Contracts for IoT. *Lecture Notes in Networks and Systems*, **2020**, 863-874	0.5	1
677	Consensus Based Mechanism Using Blockchain for Intensive Data of Vehicles. *Lecture Notes in Networks and Systems*, **2020**, 44-55	0.5	1
676	Electric Vehicles Privacy Preserving Using Blockchain in Smart Community. *Lecture Notes in Networks and Systems*, **2020**, 67-80	0.5	3
675	Secure Service Provisioning Scheme for Lightweight Clients with Incentive Mechanism Based on Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 82-93	0.5	1
674	Blockchain Based Decentralized Authentication and Licensing Process of Medicine. *Lecture Notes in Networks and Systems*, **2020**, 355-366	0.5	
673	IoT Enabled E-Business via Blockchain Technology Using Ethereum Platform. *Advances in Intelligent Systems and Computing*, **2020**, 671-683	0.4	
672	Short-Term Load Forecasting Using EEMD-DAE with Enhanced CNN in Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 1167-1180	0.4	0
671	Blockchain in WSNs, VANets, IoTs and Healthcare: A Survey. *Advances in Intelligent Systems and Computing*, **2020**, 267-279	0.4	5
670	Electricity Price Forecasting Based on Enhanced Convolutional Neural Network in Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 1212-1226	0.4	
669	An Enhanced Convolutional Neural Network Model Based on Weather Parameters for Short-Term Electricity Supply and Demand. *Advances in Intelligent Systems and Computing*, **2020**, 22-35	0.4	1
668	Electricity Price and Load Forecasting Using Data Analytics in Smart Grid: A Survey. *Lecture Notes on Data Engineering and Communications Technologies*, **2020**, 427-439	0.4	0
667	Classification and Regression Based Methods for Short Term Load and Price Forecasting: A Survey. *Lecture Notes on Data Engineering and Communications Technologies*, **2020**, 416-426	0.4	1
666	Enhanced Decentralized Management of Patient-Driven Interoperability Based on Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 815-827	0.5	2

665	Hourly Electricity Load Forecasting in Smart Grid Using Deep Learning Techniques. *Advances in Intelligent Systems and Computing*, **2020**, 185-196	0.4	3
664	An Innovative Model Based on FCRBM for Load Forecasting in the Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 49-62	0.4	1
663	Day Ahead Electric Load Forecasting by an Intelligent Hybrid Model Based on Deep Learning for Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 36-49	0.4	3
662	Reputation System for IoT Data Monetization Using Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 173-184	0.5	5
661	Blockchain Based Balancing of Electricity Demand and Supply. *Lecture Notes in Networks and Systems*, **2020**, 185-198	0.5	3
660	Efficient Resource Utilization Using Blockchain Network for IoT Devices in Smart City. *Lecture Notes in Networks and Systems*, **2020**, 521-534	0.5	1
659	Block-VN: A Distributed Blockchain-Based Efficient Communication and Storage System. *Lecture Notes in Networks and Systems*, **2020**, 56-66	0.5	1
658	Decentralized Mechanism for Hiring the Smart Autonomous Vehicles Using Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 733-746	0.5	9
657	Trusted Remote Patient Monitoring Using Blockchain-Based Smart Contracts. *Lecture Notes in Networks and Systems*, **2020**, 765-776	0.5	8
656	A Blockchain Based Incentive Mechanism for Crowd Sensing Network. *Lecture Notes in Networks and Systems*, **2020**, 568-578	0.5	1
655	One Step Forward: Towards a Blockchain Based Trust Model for WSNs. *Lecture Notes in Networks and Systems*, **2020**, 57-69	0.5	4
654	Smart Contracts for Research Lab Sharing Scholars Data Rights Management over the Ethereum Blockchain Network. *Lecture Notes in Networks and Systems*, **2020**, 70-81	0.5	1
653	Energy Trading Between Prosumer and Consumer in P2P Network Using Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 875-886	0.5	2
652	Node Recovery in Wireless Sensor Networks via Blockchain. *Lecture Notes in Networks and Systems*, **2020**, 94-105	0.5	2
651	Short Term Electricity Price Forecasting Through Convolutional Neural Network (CNN). *Advances in Intelligent Systems and Computing*, **2020**, 1181-1188	0.4	3
650	Big Data Based Electricity Price Forecasting Using Enhanced Convolutional Neural Network in the Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 1189-1201	0.4	2
649	A Blockchain Based Distributed Vehicular Network Architecture for Smart Cities. *Advances in Intelligent Systems and Computing*, **2020**, 320-331	0.4	5
648	Electricity Load and Price Forecasting Using Machine Learning Algorithms in Smart Grid: A Survey. *Advances in Intelligent Systems and Computing*, **2020**, 471-483	0.4	6

647	Blockchain-Based Reputation System in Agri-Food Supply Chain. *Advances in Intelligent Systems and Computing*, **2020**, 12-21	0.4	7
646	A Blockchain-Based Secure Data Storage and Trading Model for Wireless Sensor Networks. *Advances in Intelligent Systems and Computing*, **2020**, 499-511	0.4	3
645	Optimal sizing of a stand-alone photovoltaic, wind turbine and fuel cell systems. *Computers and Electrical Engineering*, **2020**, 85, 106682	4.3	15
644	FaaVPP: Fog as a virtual power plant service for community energy management. *Future Generation Computer Systems*, **2020**, 105, 675-683	7.5	9
643	Secure Service Provisioning Scheme for Lightweight IoT Devices With a Fair Payment System and an Incentive Mechanism Based on Blockchain. *IEEE Access*, **2020**, 8, 1048-1061	3.5	31
642	Comfort evaluation of seasonally and daily used residential load in smart buildings for hottest areas via predictive mean vote method. *Sustainable Computing: Informatics and Systems*, **2020**, 25, 100369	3	3
641	A Futuristic Blockchain based Vehicular Network Architecture and Trust Management System **2020**,		1
640	Electricity Theft Detection Using Supervised Learning Techniques on Smart Meter Data. *Sustainability*, **2020**, 12, 8023	3.6	26
639	A Blockchain based Privacy-Preserving System for Electric Vehicles through Local Communication **2020**,		3
638	CNN and GRU based Deep Neural Network for Electricity Theft Detection to Secure Smart Grid **2020**,		17
637	**2020**,		2
636	Efficient Data Trading and Storage in Internet of Vehicles using Consortium Blockchain **2020**,		3
635	A blockchain-based decentralized energy management in a P2P trading system **2020**,		7
634	Electricity Theft Detection using Pipeline in Machine Learning **2020**,		2
633	Secure Energy Trading for Electric Vehicles using Consortium Blockchain and k-Nearest Neighbor **2020**,		1
632	Jaya Learning-Based Optimization for Optimal Sizing of Stand-Alone Photovoltaic, Wind Turbine, and Battery Systems. *Engineering*, **2020**, 6, 812-826	9.7	22
631	A novel cooperative link selection mechanism for enhancing the robustness in scale-free IoT networks **2020**,		1
630	Big Data Analytics Based Short Term Load Forecasting Model for Residential Buildings in Smart Grids **2020**,		2

629	Towards Real-Time Energy Management of Multi-Microgrid Using a Deep Convolution Neural Network and Cooperative Game Approach. *IEEE Access*, **2020**, 8, 161377-161395	3.5	16
628	. *IEEE Access*, **2020**, 8, 148622-148643	3.5	17
627	DE-RUSBoost: An Efficient Electricity Theft Detection Scheme with Additive Communication Layer **2020**,		2
626	ELS-Net: A New Approach to Forecast Decomposed Intrinsic Mode Functions of Electricity Load. *IEEE Access*, **2020**, 8, 198935-198949	3.5	3
625	. *IEEE Access*, **2020**, 8, 222168-222186	3.5	14
624	An Attention Guided Semi-Supervised Learning Mechanism to Detect Electricity Frauds in the Distribution Systems. *IEEE Access*, **2020**, 8, 221767-221782	3.5	12
623	On Maximizing User Comfort Using a Novel Meta-Heuristic Technique in Smart Home. *Advances in Intelligent Systems and Computing*, **2020**, 26-38	0.4	0
622	Towards Efficient Energy Management in a Smart Home Using Updated Population. *Advances in Intelligent Systems and Computing*, **2020**, 39-52	0.4	1
621	Electricity Load Forecasting in Smart Grids Using Support Vector Machine. *Advances in Intelligent Systems and Computing*, **2020**, 1-13	0.4	4
620	A New Memory Updation Heuristic Scheme for Energy Management System in Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 53-66	0.4	1
619	Optimal Power Flow with Uncertain Renewable Energy Sources Using Flower Pollination Algorithm. *Advances in Intelligent Systems and Computing*, **2020**, 95-107	0.4	7
618	Optimization of Response and Processing Time for Smart Societies Using Particle Swarm Optimization and Levy Walk. *Advances in Intelligent Systems and Computing*, **2020**, 14-25	0.4	1
617	Towards Efficient Scheduling of Smart Appliances for Energy Management by Candidate Solution Updation Algorithm in Smart Grid. *Advances in Intelligent Systems and Computing*, **2020**, 67-81	0.4	2
616	Minimizing Daily Electricity Cost Using Bird Chase Scheme with Electricity Management Controller in a Smart Home. *Advances in Intelligent Systems and Computing*, **2020**, 82-94	0.4	
615	An Efficient Virtual Machine Placement via Bin Packing in Cloud Data Centers. *Advances in Intelligent Systems and Computing*, **2020**, 977-987	0.4	3
614	Electricity Load and Price Forecasting Using Enhanced Machine Learning Techniques. *Advances in Intelligent Systems and Computing*, **2020**, 255-267	0.4	1
613	Influential Reasonable Robust Virtual Machine Placement for Efficient Utilization and Saving Energy. *Advances in Intelligent Systems and Computing*, **2020**, 549-561	0.4	
612	A Comparative Analysis of Neural Networks and Enhancement of ELM for Short Term Load Forecasting. *Advances in Intelligent Systems and Computing*, **2020**, 73-86	0.4	

611	An Approximate Forecasting of Electricity Load and Price of a Smart Home Using Nearest Neighbor. *Advances in Intelligent Systems and Computing*, **2020**, 521-533	0.4	2
610	Forecasting day, week and month ahead electricity load consumption of a building using empirical mode decomposition and extreme learning machine **2019**,		2
609	Buffer Occupancy Based DF and AF Relaying in Nakagami-m Fading Channels **2019**,		2
608	Outage Probability of Hybrid Decode-Amplify-Forward Relaying Protocol for Buffer-Aided Relays **2019**,		2
607	An Efficient Fog as-a-Power-Economy-Sharing Service. *IEEE Access*, **2019**, 7, 185012-185027	3.5	5
606	BTRS: Buffer-Threshold Based Relay Selection Scheme for Cooperative Wireless Networks. *IEEE Access*, **2019**, 7, 23089-23099	3.5	4
605	Enhanced Time-of-Use Electricity Price Rate Using Game Theory. *Electronics (Switzerland)*, **2019**, 8, 48	2.6	27
604	Adaptive Transmission Based Geographic and Opportunistic Routing in UWSNs. *EAI/Springer Innovations in Communication and Computing*, **2019**, 283-290	0.6	
603	Cloud-based decision support system for the detection and classification of malignant cells in breast cancer using breast cytology images. *Microscopy Research and Technique*, **2019**, 82, 775-785	2.8	31
602	Electricity Price and Load Forecasting using Enhanced Convolutional Neural Network and Enhanced Support Vector Regression in Smart Grids. *Electronics (Switzerland)*, **2019**, 8, 122	2.6	65
601	Scalability Analysis of Depth-Based Routing and Energy-Efficient Depth-Based Routing Protocols in Terms of Delay, Throughput, and Path Loss in Underwater Acoustic Sensor Networks. *EAI/Springer Innovations in Communication and Computing*, **2019**, 171-185	0.6	2
600	Geospatial Division Based Geographic Routing for Interference Avoidance in Underwater WSNs. *EAI/Springer Innovations in Communication and Computing*, **2019**, 207-214	0.6	0
599	Efficient routing for corona based underwater wireless sensor networks. *Computing (Vienna/New York)*, **2019**, 101, 831-856	2.2	7
598	Node Density Analysis for WBAN Schemes in Terms of Stability and Throughput. *EAI/Springer Innovations in Communication and Computing*, **2019**, 247-261	0.6	1
597	Exploiting Layered Multi-Path Routing Protocols to Avoid Void Hole Regions for Reliable Data Delivery and Efficient Energy Management for IoT-Enabled Underwater WSNs. *Sensors*, **2019**, 19,	3.8	8
596	Towards Optimizing Energy Efficiency and Alleviating Void Holes in UWSN. *Lecture Notes on Data Engineering and Communications Technologies*, **2019**, 516-527	0.4	
595	Game Theoretical Energy Management with Storage Capacity Optimization and Photo-Voltaic Cell Generated Power Forecasting in Micro Grid. *Sustainability*, **2019**, 11, 2763	3.6	18
594	Congestion Control in Wireless Sensor Networks based on Support Vector Machine, Grey Wolf Optimization and Differential Evolution **2019**,		5

593	Coalition based game theoretic energy management system of a building as-service-over fog. *Sustainable Cities and Society*, **2019**, 48, 101509	10.1	9
592	Short-Term Electric Load and Price Forecasting Using Enhanced Extreme Learning Machine Optimization in Smart Grids. *Energies*, **2019**, 12, 866	3.1	31
591	Towards Void Hole Alleviation by Exploiting the Energy Efficient Path and by Providing the Interference-Free Proactive Routing Protocols in IoT Enabled Underwater WSNs. *Sensors*, **2019**, 19,	3.8	11
590	Deep learning model integrating features and novel classifiers fusion for brain tumor segmentation. *Microscopy Research and Technique*, **2019**, 82, 1302-1315	2.8	53
589	Electricity Load Forecasting for Each Day of Week Using Deep CNN. *Advances in Intelligent Systems and Computing*, **2019**, 1107-1119	0.4	10
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