

Abdullah M Abusorrah

List of Publications by Citations

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136
papers

3,451
citations

30
h-index

55
g-index

145
ext. papers

5,106
ext. citations

6
avg, IF

6.33
L-index

#	Paper	IF	Citations
136	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 2302-2311	10.7	291
135	Coordination of Interdependent Natural Gas and Electricity Infrastructures for Firming the Variability of Wind Energy in Stochastic Day-Ahead Scheduling. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 606-615	8.2	202
134	Hourly Electricity Demand Response in the Stochastic Day-Ahead Scheduling of Coordinated Electricity and Natural Gas Networks. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 592-601	7	175
133	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 1054-1063	10.7	144
132	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2260-2272	10.7	130
131	A Game Theoretic Approach to Risk-Based Optimal Bidding Strategies for Electric Vehicle Aggregators in Electricity Markets With Variable Wind Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 374-385	8.2	125
130	Demand Response Exchange in the Stochastic Day-Ahead Scheduling With Variable Renewable Generation. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 516-525	8.2	118
129	Reliability-Based Optimal Planning of Electricity and Natural Gas Interconnections for Multiple Energy Hubs. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 1658-1667	10.7	104
128	Electricity-Natural Gas Operation Planning With Hourly Demand Response for Deployment of Flexible Ramp. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 996-1004	8.2	103
127	Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2984-2993	7	99
126	Thermal Generation Flexibility With Ramping Costs and Hourly Demand Response in Stochastic Security-Constrained Scheduling of Variable Energy Sources. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2955-2964	7	93
125	Stochastic Security-Constrained Scheduling of Coordinated Electricity and Natural Gas Infrastructures. <i>IEEE Systems Journal</i> , 2017 , 11, 1674-1683	4.3	85
124	Modeling, Tuning, and Performance Comparison of Second-Order-Generalized-Integrator-Based FLLs. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10229-10239	7.2	83
123	. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 2586-2633	37.1	80
122	Optimal Power Flow Using Adapted Genetic Algorithm with Adjusting Population Size. <i>Electric Power Components and Systems</i> , 2012 , 40, 1285-1299	1	57
121	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 35-47	10.7	51
120	Energy-Optimized Partial Computation Offloading in Mobile-Edge Computing With Genetic Simulated-Annealing-Based Particle Swarm Optimization. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3774-3785	10.7	49

119	Impact of magnetic dipole on ferromagnetic hybrid nanofluid flow over a stretching cylinder. <i>Physica Scripta</i> , 2021 , 96, 045215	2.6	49
118	MAF-PLL With Phase-Lead Compensator. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 1-1	8.9	46
117	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2452-2462	7	46
116	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2848-2854	8.9	44
115	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3690-3701	10.7	44
114	A Study on Three-Phase FLLs. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 213-224	7.2	43
113	Real Time Parameter Estimation for Power Quality Control and Intelligent Protection of Grid-Connected Power Electronic Converters. <i>IEEE Transactions on Smart Grid</i> , 2014 , 5, 1602-1607	10.7	42
112	Flexible Division and Unification Control Strategies for Resilience Enhancement in Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 474-486	7	40
111	A Family of Gradient Descent Grid Frequency Estimators for the SOGI Filter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5796-5810	7.2	40
110	Stability of a boost converter fed from photovoltaic source. <i>Solar Energy</i> , 2013 , 98, 458-471	6.8	37
109	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5018-5022	8.9	35
108	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1033-1047	10.7	35
107	All-Pass-Filter-Based PLL Systems: Linear Modeling, Analysis, and Comparative Evaluation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3558-3572	7.2	32
106	Fine-grained resource provisioning and task scheduling for heterogeneous applications in distributed green clouds. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 1-13	7	30
105	Optimizing Weighted Extreme Learning Machines for imbalanced classification and application to credit card fraud detection. <i>Neurocomputing</i> , 2020 , 407, 50-62	5.4	29
104	Disassembly Sequence Planning: A Survey. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1308-1324	7	28
103	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1389-1399	7	27
102	Conventional and modified MPPT techniques with direct control and dual scaled adaptive step-size. <i>Solar Energy</i> , 2017 , 157, 1017-1031	6.8	25

101	Nonlinear Dynamics and Bifurcation Analysis of a Boost Converter for Battery Charging in Photovoltaic Applications. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450142	2	25
100	Standard SOGI-FLL and Its Close Variants: Precise Modeling in LTP Framework and Determining Stability Region/Robustness Metrics. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 409-422	7.2	25
99	Minimax-Regret Robust Defensive Strategy Against False Data Injection Attacks. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2068-2079	10.7	24
98	Compartmentalization Strategy for the Optimal Economic Operation of a Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1294-1304	7	24
97	Recent Advances in Collaborative Scheduling of Computing Tasks in an Edge Computing Paradigm. <i>Sensors</i> , 2021 , 21,	3.8	24
96	Dual-Objective Mixed Integer Linear Program and Memetic Algorithm for an Industrial Group Scheduling Problem. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1199-1209	7	23
95	Economical-technical-environmental operation of power networks with wind-solar-hydropower generation using analytic hierarchy process and improved grey wolf algorithm. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2717-2734	4.4	23
94	Single-Phase FLLs Based on Linear Kalman Filter, Limit-Cycle Oscillator, and Complex Bandpass Filter: Analysis and Comparison With a Standard FLL in Grid Applications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11774-11790	7.2	22
93	Research On Variable-Length Transfer Delay and Delayed-Signal-Cancellation-Based PLLs. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8388-8398	7.2	22
92	Advanced Single-Phase DSC-Based PLLs. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3226-3238	7.2	22
91	Privacy-Preserving Distributed Control Strategy for Optimal Economic Operation in Islanded Reconfigurable Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3847-3856	7	19
90	Aspect-Based Sentiment Analysis: A Survey of Deep Learning Methods. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 1358-1375	4.5	18
89	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	18
88	New Challenges in the Design of Microgrid Systems: Communication Networks, Cyberattacks, and Resilience. <i>IEEE Electrification Magazine</i> , 2020 , 8, 98-106	2.6	16
87	Fast-scale stability limits of a two-stage boost power converter. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1127-1141	2	14
86	Deadlock-free Supervisor Design for Robotic Manufacturing Cells With Uncontrollable and Unobservable Events. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 597-605	7	14
85	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 394-403	6.1	14
84	A comprehensive parametric investigation of hemispherical cavities on thermal performance and flow-dynamics in the triangular-duct solar-assisted air-heater. <i>Renewable Energy</i> , 2021 , 173, 896-912	8.1	14

83	A detailed hydrothermal investigation of a helical micro double-tube heat exchanger for a wide range of helix pitch length. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101413	5.6	14
82	Foldings and grazings of tori in current controlled interleaved boost converters. <i>International Journal of Circuit Theory and Applications</i> , 2014 , 42, 1080-1091	2	13
81	A Novel Semi-Supervised Learning Approach to Pedestrian Reidentification. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3042-3052	10.7	13
80	Utilization of solar energy for wastewater treatment: Challenges and progressive research trends. <i>Journal of Environmental Management</i> , 2021 , 297, 113300	7.9	13
79	Complex non-linear phenomena and stability analysis of interconnected power converters used in distributed power systems. <i>IET Power Electronics</i> , 2016 , 9, 855-863	2.2	12
78	A Survey of Cyber Attacks on Cyber Physical Systems: Recent Advances and Challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 784-800	7	12
77	A New THD Measurement Method With Small Computational Burden Using a SOGI-FLL Grid Monitoring System. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 5797-5811	7.2	11
76	Enhanced Subspace Distribution Matching for Fast Visual Domain Adaptation. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 1047-1057	4.5	11
75	Effective Visual Domain Adaptation via Generative Adversarial Distribution Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3919-3929	10.3	11
74	Distribution System Resilience in Ice Storms by Optimal Routing of Mobile Devices on Congested Roads. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1314-1328	10.7	11
73	Harmonic Linearization and Investigation of Three-Phase Parallel-Structured Signal Decomposition Algorithms in Grid-Connected Applications. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4198-4213	7.2	11
72	Multiscale Drift Detection Test to Enable Fast Learning in Nonstationary Environments. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3483-3495	10.2	10
71	Soft Sensing of Nonlinear and Multimode Processes Based on Semi-Supervised Weighted Gaussian Regression. <i>IEEE Sensors Journal</i> , 2020 , 20, 12950-12960	4	10
70	Improved Power Quality Control and Intelligent Protection for Grid Connected Power Electronic Converters, using Real Time Parameter Estimation. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		10
69	A Review of DC Shipboard Microgrids Part I: Power Architectures, Energy Storage and Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	10
68	Non-linear modelling and stability analysis of resonant DCDC converters. <i>IET Power Electronics</i> , 2015 , 8, 2492-2503	2.2	9
67	Artificial neural networks for water quality soft-sensing in wastewater treatment: a review. <i>Artificial Intelligence Review</i> ,1	9.7	9
66	Novel L1 Regularized Extreme Learning Machine for Soft-sensing of an Industrial Process. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	9

65	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3705-3717	10.7	9
64	Dynamic Embedding Projection-Gated Convolutional Neural Networks for Text Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	9
63	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3004-3014	7	8
62	Linear Time-Periodic Modeling, Examination, and Performance Enhancement of Grid Synchronization Systems With DC Component Rejection/Estimation Capability. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4237-4253	7.2	8
61	Silver Nanowires Digital Printing for Inverted Flexible Semi-Transparent Solar Cells. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001305	3.5	8
60	The Application of the Linear Adaptive Genetic Algorithm to Optimal Power Flow Problem. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 4901-4909		7
59	Energy Commitment for a Power System Supplied by Multiple Energy Carriers System using Following Optimization Algorithm. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5862	2.6	7
58	Avoiding instabilities in power electronic systems: toward an on-chip implementation. <i>IET Power Electronics</i> , 2017 , 10, 1778-1787	2.2	6
57	Analysis of Discontinuity Induced Bifurcations in a Dual Input DC-DC Converter. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550071	2	6
56	Dynamical analysis of single-inductor dual-output DC-DC converters 2013 ,		6
55	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. <i>IEEE Electrification Magazine</i> , 2020 , 8, 79-91	2.6	6
54	A Performance-Optimized Consensus Mechanism for Consortium Blockchains Consisting of Trust-Varying Nodes. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 2147-2159	4.9	6
53	Decision-Tree-Initialized Dendritic Neuron Model for Fast and Accurate Data Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	6
52	Surrogate-assisted Autoencoder-embedded Evolutionary Optimization Algorithm to Solve High-dimensional Expensive Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	6
51	More-Stable EPLL. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 1003-1011	7.2	6
50	Optimal Power Flow Using Adaptive Fuzzy Logic Controllers. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-7	1.1	5
49	A Review of DC Shipboard Microgrids Part II: Control Architectures, Stability Analysis, and Protection Schemes. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4105-4120	7.2	5
48	A Convex Three-Stage SCOPF Approach to Power System Flexibility With Unified Power Flow Controllers. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1947-1960	7	5

47	Experimental investigation for heat and flow characteristics of solar air heater having symmetrical gaps in multiple-arc rib pattern as roughness elements. <i>Experimental Heat Transfer</i> ,1-18	2.4	5
46	Modeling of a MED-TVC desalination system by considering the effects of nanoparticles: energetic and exergetic analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2675	4.1	5
45	Nonaveraged control-oriented modeling and relative stability analysis of DC-DC switching converters. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 565-580	2	5
44	Making accurate object detection at the edge: review and new approach. <i>Artificial Intelligence Review</i> ,1	9.7	5
43	Decentralized bi-level stochastic optimization approach for multi-agent multi-energy networked micro-grids with multi-energy storage technologies. <i>Energy</i> , 2022 , 245, 123223	7.9	4
42	LTP Modeling and Stability Assessment of Multiple Second-Order Generalized Integrator-Based Signal Processing/Synchronization Algorithms and Their Close Variants. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 5062-5077	7.2	4
41	Optimal sizing of hybrid renewable energy systems by considering power sharing and electric vehicles. <i>International Journal of Energy Research</i> ,	4.5	4
40	Implicit Finite Difference Simulation of Prandtl-Eyring Nanofluid over a Flat Plate with Variable Thermal Conductivity: A Tiwari and Das Model. <i>Mathematics</i> , 2021 , 9, 3153	2.3	4
39	Scheduling Robotic Cellular Manufacturing Systems With Timed Petri Net, A* Search, and Admissible Heuristic Function. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-8	4.9	4
38	A new voltage regulation strategy using developed power sharing techniques for solar photovoltaic generation-based microgrids. <i>Electrical Engineering</i> ,1	1.5	4
37	FLLs in Electrical Power & Energy Systems: Equivalent or Different to PLLs?. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 0-0	6.2	4
36	. <i>IEEE Sensors Journal</i> , 2021 , 21, 17308-17317	4	4
35	Sparse Individual Low-rank Component Representation for Face Recognition in IoT-based System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	4
34	Estimation of Parameters of Different Equivalent Circuit Models of Solar Cells and Various Photovoltaic Modules Using Hybrid Variants of Honey Badger Algorithm and Artificial Gorilla Troops Optimizer. <i>Mathematics</i> , 2022 , 10, 1057	2.3	4
33	Real-Time Detection of False Readings in Smart Grid AMI Using Deep and Ensemble Learning. <i>IEEE Access</i> , 2022 , 10, 47541-47556	3.5	4
32	Enhanced Intelligent Energy Management System for a Renewable Energy-Based AC Microgrid. <i>Energies</i> , 2020 , 13, 3268	3.1	3
31	A game theoretic approach to risk-based optimal bidding strategies for electric vehicle aggregators in electricity markets with variable wind energy resources 2016 ,		3
30	Optimal Transactive Energy Trading of Electric Vehicle Charging Stations with On-Site PV Generation in Constrained Power Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	3

29	QoS Prediction Model of Cloud Services Based on Deep Learning. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 564-566	7	3
28	Applying a Theta-Krill Herd Algorithm to Energy Management of a Microgrid Considering Renewable Energies and Varying Weather Conditions. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	3
27	Optimization preparation of one-dimensional polypyrrole nanotubes for enhanced thermoelectric performance. <i>Polymer</i> , 2021 , 228, 123950	3.9	3
26	Digital printing of a novel electrode for stable flexible organic solar cells with a power conversion efficiency of 8.5. <i>Scientific Reports</i> , 2021 , 11, 14212	4.9	3
25	A Dynamic Evolution Method for Autonomous Vehicle Groups in a Highway Scene. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	3
24	Numerical study on heat loss from the surface of solar collector tube filled by oil-NE-PCM/Al ₂ O ₃ in the presence of the magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2627	4.1	3
23	A Review of the Conceptualization and Operational Management of Seaport Microgrids on the Shore and Seaside. <i>Energies</i> , 2021 , 14, 7941	3.1	2
22	Intelligent Machine Learning With Evolutionary Algorithm Based Short Term Load Forecasting in Power Systems. <i>IEEE Access</i> , 2021 , 9, 100113-100124	3.5	2
21	An investigation of the second law performance for a condenser used in 210MW thermal power station. <i>Case Studies in Thermal Engineering</i> , 2021 , 26, 100992	5.6	2
20	Intelligent and Data-Driven Fault Detection of Photovoltaic Plants. <i>Processes</i> , 2021 , 9, 1711	2.9	2
19	Designing, optimizing and comparing distributed generation technologies as a substitute system for reducing life cycle costs, CO ₂ emissions, and power losses in residential buildings. <i>Energy</i> , 2022 , 253, 123947	7.9	2
18	Modeling and Tuning of Adaptive Complex Current Controller for Three-Phase Grid-Interfaced Power Converters 2019 ,		1
17	Optimum Firing of SVC's for Normal and Emergency Reactive Power Control. <i>Electric Power Components and Systems</i> , 2004 , 32, 785-800	1	1
16	In-Loop Filters and Prefilters in Phase-Locked Loop Systems: Equivalent or Different Solutions?. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 2-14	6.2	1
15	Impedance Modeling of Three-Phase Grid-Connected Voltage Source Converters With Frequency-Locked-Loop-Based Synchronization Algorithms. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4511-4525	7.2	1
14	Cost-Effective and Latency-minimized Data Placement Strategy for Spatial Crowdsourcing in Multi-Cloud Environment. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	1
13	Space-vector current control of cascaded half-bridge three-phase three-wire voltage source inverter. <i>IET Power Electronics</i> , 2021 , 14, 201-210	2.2	1
12	Reducing Fault Current by Using FACTS Devices to Improve Electrical Power Flow. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-9	1.1	1

11	Single Diode Solar Cells Improved Model and Exact Current-Voltage Analytical Solution Based on Lambert W Function. <i>Sensors</i> , 2022 , 22, 4173	3.8	1
10	Optimizing Node Deployment in Rechargeable Camera Sensor Networks for Full-view Coverage. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
9	Open-Loop Synchronization Systems for Grid-Tied Power Converters: Literature Overview, Design Considerations, Advantages, and Disadvantages. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 2-10	6.2	0
8	On the solitary wave solution of the viscosity capillarity van der Waals p-system along with Painleve analysis. <i>Chaos, Solitons and Fractals</i> , 2021 , 153, 111495	9.3	0
7	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6685-6698	7.2	0
6	A Fault-tolerant Model for Performance Optimization of a Fog Computing System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
5	Sensitivity analysis on thermophysical properties efficacy on PCM-based heat sink usefulness: effects of solid particles versus liquid phase fraction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2699	4.1	0
4	A Bi-Population Cooperative Optimization Algorithm Assisted by an Autoencoder for Medium-Scale Expensive Problems. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 1-15	7	0
3	Multi-Objective Generation Scheduling of Hydro-Thermal System Incorporating Energy Storage with Demand Side Management Considering Renewable Energy Uncertainties. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
2	The co-learning in the design, simulation and optimization of a solar concentrating system. <i>Computers in Human Behavior</i> , 2015 , 51, 857-866	7.7	
1	Valid Inequality and Variable Fixation for Unrestricted Block Relocation Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	