Weirong Liu

List of Publications by Year
in descending order

40 papers	417 citations	10 h-index	19 g-index
40 all docs	40 docs citations	40 times ranked	353 citing authors

#	Article	IF	Citations
1	A remaining useful life prediction method with long-short term feature processing for aircraft engines. Applied Soft Computing Journal, 2020, 93, 106344.	7.2	51
2	Fair Resource Allocation for System Throughput Maximization in Mobile Edge Computing. IEEE Access, 2018, 6, 5332-5340.	4.2	45
3	A hybrid method with cascaded structure for early-stage remaining useful life prediction of lithium-ion battery. Energy, 2022, 243, 123038.	8.8	38
4	Remaining Useful Life Estimation Using CNN-XGB With Extended Time Window. IEEE Access, 2019, 7, 154386-154397.	4.2	35
5	A Semi-Supervised Tri-CatBoost Method for Driving Style Recognition. Symmetry, 2020, 12, 336.	2.2	32
6	Cubic Spline Interpolation-Based Robot Path Planning Using a Chaotic Adaptive Particle Swarm Optimization Algorithm. Mathematical Problems in Engineering, 2020, 2020, 1-20.	1.1	31
7	Scalable and Adaptive Data Replica Placement for Geo-Distributed Cloud Storages. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1575-1587.	5.6	20
8	Centralized Resource Allocation and Distributed Power Control for NOMA-Integrated NR V2X. IEEE Internet of Things Journal, 2021, 8, 16522-16534.	8.7	20
9	A Generalized Extended State Observer for Supercapacitor State of Energy Estimation With Online Identified Model. IEEE Access, 2018, 6, 27706-27716.	4.2	12
10	Dynamic resource reservation via broker federation in cloud service: A fine-grained heuristic-based approach. , 2014, , .		11
11	Adaptive slip ratio estimation for active braking control of high-speed trains. ISA Transactions, 2021, 112, 302-314.	5.7	11
12	Data-Driven Koopman Model Predictive Control for Optimal Operation of High-Speed Trains. IEEE Access, 2021, 9, 82233-82248.	4.2	11
13	A predictive control method to improve pressure tracking precision and reduce valve switching for pneumatic brake systems. IET Control Theory and Applications, 2021, 15, 1389-1403.	2.1	10
14	Optimal Operation of High-Speed Trains Using Hybrid Model Predictive Control. Journal of Advanced Transportation, 2018, 2018, 1-16.	1.7	9
15	Distributed Voltage Equalization Design for Supercapacitors Using State Observer. IEEE Transactions on Industry Applications, 2019, 55, 620-630.	4.9	9
16	An Instance Reservation Framework for Cost Effective Services in Geo-Distributed Data Centers. IEEE Transactions on Services Computing, 2021, 14, 356-370.	4.6	6
17	An Adaptive Deep Q-learning Service Migration Decision Framework for Connected Vehicles. , 2020, , .		6
18	Cooperative Tracking Control of the Multiple-High-Speed Trains System Using a Tunable Artificial Potential Function. Journal of Advanced Transportation, 2022, 2022, 1-11.	1.7	6

#	Article	IF	Citations
19	Trajectory Generation and Optimization Using the Mutual Learning and Adaptive Ant Colony Algorithm in Uneven Environments. Applied Sciences (Switzerland), 2022, 12, 4629.	2.5	6
20	An Energy-Based Nonlinear Pressure Observer for Fast and Precise Braking Force Control of the ECP Brake. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1437-1445.	2.2	5
21	A Rescue-Assistance Navigation Method by Using the Underground Location of WSN after Disasters. Sensors, 2020, 20, 2173.	3.8	5
22	A Novel Multi-agent Cooperative Reinforcement Learning Method for Home Energy Management under a Peak Power-limiting. , 2020, , .		5
23	A Hierarchical Energy Management Strategy for Battery/Ultracapacitor Hybrid Energy Storage Systems via Supervised Learning. , 2020, , .		4
24	Foreign Object Intrusion Detection on Metro Track Using Commodity WiFi Devices with the Fast Phase Calibration Algorithm. Sensors, 2020, 20, 3446.	3.8	4
25	High-Precision SLAM Based on the Tight Coupling of Dual Lidar Inertial Odometry for Multi-Scene Applications. Applied Sciences (Switzerland), 2022, 12, 939.	2.5	4
26	A Novel Adhesion Force Estimation for Railway Vehicles Using an Extended State Observer. , 2019, , .		3
27	Performance Analysis on Access Collision in Semi-Persistent Scheduling of C-V2X Mode 4. , 2021, , .		3
28	A Denoising SVR-MLP Method for Remaining Useful Life Prediction of Lithium-ion Battery. , 2019, , .		2
29	Adaptive Precision Automatic Train Stop Control based on Pneumatic Brake Systems. , 2019, , .		2
30	Optimal Energy Management of Energy Internet: A Distributed Actor-Critic Reinforcement Learning Method. , 2020, , .		2
31	A Real-Time Optimal Car-Following Power Management Strategy for Hybrid Electric Vehicles with ACC Systems. Energies, 2021, 14, 3438.	3.1	2
32	Railway Track Recognition Based on Radar Cross-Section Statistical Characterization Using mmWave Radar. Remote Sensing, 2022, 14, 294.	4.0	2
33	An Accurate and Interpretable Lifetime Prediction Method for Batteries using Extreme Gradient Boosting Tree and TreeExplainer. , 2021, , .		2
34	A Chaotic Adaptive Particle Swarm Optimization for Robot Path Planning. , 2019, , .		1
35	A Traffic Flow Adaptive Energy Saving Scheme for Smart Lighting Systems. , 2020, , .		1
36	A Real-time Demand Response Strategy of Home Energy Management by Using Distributed Deep Reinforcement Learning. , 2021, , .		1

#	Article	IF	Citations
37	An Optimal Pulse Heating Strategy for Lithium-ion Battery Considering both Capacity Fade and Heating Time. , 2021, , .		0
38	A Quasi-Optimal Energy Management Strategy for Hybrid Energy Vehicles Using Temporal Characteristic. Advances in Transdisciplinary Engineering, 2022, , .	0.1	0
39	A fast adaptive bus voltage regulation strategy for supercapacitor energy storage systems. IET Power Electronics, 0, , .	2.1	0
40	An Energy Dispatch Mechanism Based on Double Auction with Multiple Rounds for a Microgrid. , 2021, , .		0