

Weirong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

417
citations

933447

10
h-index

794594

19
g-index

40
all docs

40
docs citations

40
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid method with cascaded structure for early-stage remaining useful life prediction of lithium-ion battery. <i>Energy</i> , 2022, 243, 123038.	8.8	38
2	High-Precision SLAM Based on the Tight Coupling of Dual Lidar Inertial Odometry for Multi-Scene Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 939.	2.5	4
3	Railway Track Recognition Based on Radar Cross-Section Statistical Characterization Using mmWave Radar. <i>Remote Sensing</i> , 2022, 14, 294.	4.0	2
4	Cooperative Tracking Control of the Multiple-High-Speed Trains System Using a Tunable Artificial Potential Function. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-11.	1.7	6
5	A Quasi-Optimal Energy Management Strategy for Hybrid Energy Vehicles Using Temporal Characteristic. <i>Advances in Transdisciplinary Engineering</i> , 2022, , .	0.1	0
6	Trajectory Generation and Optimization Using the Mutual Learning and Adaptive Ant Colony Algorithm in Uneven Environments. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4629.	2.5	6
7	An Instance Reservation Framework for Cost Effective Services in Geo-Distributed Data Centers. <i>IEEE Transactions on Services Computing</i> , 2021, 14, 356-370.	4.6	6
8	Adaptive slip ratio estimation for active braking control of high-speed trains. <i>ISA Transactions</i> , 2021, 112, 302-314.	5.7	11
9	Data-Driven Koopman Model Predictive Control for Optimal Operation of High-Speed Trains. <i>IEEE Access</i> , 2021, 9, 82233-82248.	4.2	11
10	Centralized Resource Allocation and Distributed Power Control for NOMA-Integrated NR V2X. <i>IEEE Internet of Things Journal</i> , 2021, 8, 16522-16534.	8.7	20
11	A predictive control method to improve pressure tracking precision and reduce valve switching for pneumatic brake systems. <i>IET Control Theory and Applications</i> , 2021, 15, 1389-1403.	2.1	10
12	A Real-Time Optimal Car-Following Power Management Strategy for Hybrid Electric Vehicles with ACC Systems. <i>Energies</i> , 2021, 14, 3438.	3.1	2
13	Performance Analysis on Access Collision in Semi-Persistent Scheduling of C-V2X Mode 4. , 2021, , .		3
14	An Optimal Pulse Heating Strategy for Lithium-ion Battery Considering both Capacity Fade and Heating Time. , 2021, , .		0
15	An Accurate and Interpretable Lifetime Prediction Method for Batteries using Extreme Gradient Boosting Tree and TreeExplainer. , 2021, , .		2
16	An Energy Dispatch Mechanism Based on Double Auction with Multiple Rounds for a Microgrid. , 2021, , .		0
17	A Real-time Demand Response Strategy of Home Energy Management by Using Distributed Deep Reinforcement Learning. , 2021, , .		1
18	Optimal Energy Management of Energy Internet: A Distributed Actor-Critic Reinforcement Learning Method. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	A Hierarchical Energy Management Strategy for Battery/Ultracapacitor Hybrid Energy Storage Systems via Supervised Learning. , 2020, , .		4
20	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
21	A Semi-Supervised Tri-CatBoost Method for Driving Style Recognition. Symmetry, 2020, 12, 336.	2.2	32
22	Foreign Object Intrusion Detection on Metro Track Using Commodity WiFi Devices with the Fast Phase Calibration Algorithm. Sensors, 2020, 20, 3446.	3.8	4
23	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
24	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
25	A Rescue-Assistance Navigation Method by Using the Underground Location of WSN after Disasters. Sensors, 2020, 20, 2173.	3.8	5
26	A Novel Multi-agent Cooperative Reinforcement Learning Method for Home Energy Management under a Peak Power-limiting. , 2020, , .		5
27	A Traffic Flow Adaptive Energy Saving Scheme for Smart Lighting Systems. , 2020, , .		1
28	An Adaptive Deep Q-learning Service Migration Decision Framework for Connected Vehicles. , 2020, , .		6
29	A Novel Adhesion Force Estimation for Railway Vehicles Using an Extended State Observer. , 2019, , .		3
30	A Denoising SVR-MLP Method for Remaining Useful Life Prediction of Lithium-ion Battery. , 2019, , .		2
31	Remaining Useful Life Estimation Using CNN-XGB With Extended Time Window. IEEE Access, 2019, 7, 154386-154397.	4.2	35
32	A Chaotic Adaptive Particle Swarm Optimization for Robot Path Planning. , 2019, , .		1
33	Adaptive Precision Automatic Train Stop Control based on Pneumatic Brake Systems. , 2019, , .		2
34	Distributed Voltage Equalization Design for Supercapacitors Using State Observer. IEEE Transactions on Industry Applications, 2019, 55, 620-630.	4.9	9
35	Fair Resource Allocation for System Throughput Maximization in Mobile Edge Computing. IEEE Access, 2018, 6, 5332-5340.	4.2	45
36	Optimal Operation of High-Speed Trains Using Hybrid Model Predictive Control. Journal of Advanced Transportation, 2018, 2018, 1-16.	1.7	9

#	ARTICLE	IF	CITATIONS
37	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
38	A Generalized Extended State Observer for Supercapacitor State of Energy Estimation With Online Identified Model. IEEE Access, 2018, 6, 27706-27716.	4.2	12
39	Dynamic resource reservation via broker federation in cloud service: A fine-grained heuristic-based approach. , 2014, , .		11
40	A fast adaptive bus voltage regulation strategy for supercapacitor energy storage systems. IET Power Electronics, 0, , .	2.1	0