

Albert Y S Lam

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.

65
papers

2,321
citations

24
h-index

48
g-index

73
ext. papers

2,879
ext. citations

6.9
avg, IF

5.77
L-index

#	Paper	IF	Citations
65	Chance-Constrained OPF in Droop-Controlled Microgrids with Power Flow Routers. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	
64	Two-Stage Auction Mechanism for Long-Term Participation in Crowdsourcing. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-14	4.5	
63	Enhancing Flexibility at the Transmission-Distribution Interface with Power Flow Routers. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	
62	Disturbance-Aware Neuro-Optimal System Control Using Generative Adversarial Control Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4565-4576	10.3	
61	Traffic Signal Control Using End-to-End Off-Policy Deep Reinforcement Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	5
60	Joint Rebalancing and Vehicle-to-Grid Coordination for Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-14	6.1	2
59	Power Output Smoothing for Renewable Energy System: Planning, Algorithms, and Analysis. <i>IEEE Systems Journal</i> , 2020 , 14, 1034-1045	4.3	8
58	Reducing BESS Capacity for Accommodating Renewables in Subtransmission Systems with Power Flow Routers 2020 ,		2
57	Electric Autonomous Vehicle Charging and Parking Coordination for Vehicle-to-Grid Voltage Regulation with Renewable Energy 2020 ,		1
56	Dynamic Lane Reversal Routing and Scheduling for Connected and Autonomous Vehicles: Formulation and Distributed Algorithm. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2557-2570	6.1	17
55	Deep Multi-Scale Convolutional LSTM Network for Travel Demand and Origin-Destination Predictions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 3219-3232	6.1	37
54	Delay Aware Power System Synchrophasor Recovery and Prediction Framework. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3732-3742	10.7	28
53	Public Transport Waiting Time Estimation Using Semi-Supervised Graph Convolutional Networks 2019 ,		5
52	Core-Selecting Auctions for Autonomous Vehicle Public Transportation System. <i>IEEE Systems Journal</i> , 2019 , 13, 2046-2056	4.3	3
51	Online Scheduling for Hierarchical Vehicle-to-Grid System: Design, Formulation, and Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1302-1317	6.8	30
50	Intelligent Fault Detection Scheme for Microgrids With Wavelet-Based Deep Neural Networks. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1694-1703	10.7	112
49	Autonomous Vehicle Logistic System: Joint Routing and Charging Strategy. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 2175-2187	6.1	43

48	Double Auction-Based Pricing Mechanism for Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Vehicles</i> , 2018 , 3, 151-162	5	12
47	Coordinated Autonomous Vehicle Parking for Vehicle-to-Grid Services: Formulation and Distributed Algorithm. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4356-4366	10.7	34
46	Intelligent Time-Adaptive Transient Stability Assessment System. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1049-1058	7	123
45	Opportunistic Routing for Vehicular Energy Network. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 533-545	10.7	15
44	Transient Stability-Constrained Optimal Power Flow with Power Flow Routers 2018 ,		1
43	Travel Demand Prediction using Deep Multi-Scale Convolutional LSTM Network 2018 ,		10
42	Delay aware transient stability assessment with synchrophasor recovery and prediction framework. <i>Neurocomputing</i> , 2018 , 322, 187-194	5.4	9
41	Optimal Power Flow With Power Flow Routers. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 531-543	7	23
40	Vehicular Energy Network. <i>IEEE Transactions on Transportation Electrification</i> , 2017 , 3, 392-404	7.6	23
39	Robust Routing for Vehicular Energy Network 2017 ,		1
38	Dynamic lane reversal routing and scheduling for connected autonomous vehicles 2017 ,		10
37	Delay Aware Intelligent Transient Stability Assessment System. <i>IEEE Access</i> , 2017 , 5, 17230-17239	3.5	28
36	. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 156-166	10.7	104
35	Energy loss minimization for vehicular energy network routing 2016 ,		3
34	Autonomous-Vehicle Public Transportation System: Scheduling and Admission Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 1210-1226	6.1	81
33	Combinatorial Auction-Based Pricing for Multi-Tenant Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 859-869	6.1	26
32	Coordinated autonomous vehicle parking for vehicle-to-grid services 2016 ,		5
31	Maximizing aggregator profit through energy trading by coordinated electric vehicle charging 2016 ,		3

30	Adaptive chemical reaction optimization for global numerical optimization 2015,		3
29	. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1714-1726	7	154
28	An electric-vehicle-based supplementary power delivery system 2015,		9
27	. <i>IEEE Transactions on Smart Grid</i> , 2014 , 5, 2846-2856	10.7	239
26	Architectural design and load flow study of power flow routers 2014,		7
25	Autonomous vehicle public transportation system 2014,		8
24	An inter-molecular adaptive collision scheme for Chemical Reaction Optimization 2014,		1
23	On the Convergence of Chemical Reaction Optimization for Combinatorial Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 605-620	15.6	53
22	Optimal V2G scheduling of electric vehicles and Unit Commitment using Chemical Reaction Optimization 2013,		8
21	Electric vehicle charging station placement 2013,		36
20	Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3180-3190	9.6	19
19	IEEE CIS Social Media: Have You Joined Our Online Community? [Society Briefs]. <i>IEEE Computational Intelligence Magazine</i> , 2012 , 7, 4-79	5.6	
18	Real-Coded Chemical Reaction Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 339-353	15.6	119
17	A multi-layer market for vehicle-to-grid energy trading in the smart grid 2012,		28
16	Real-coded chemical reaction optimization with different perturbation functions 2012,		6
15	Sensor deployment for air pollution monitoring using public transportation system 2012,		6
14	Capacity management of vehicle-to-grid system for power regulation services 2012,		16
13	Distributed algorithms for optimal power flow problem 2012,		67

12	Chemical Reaction Optimization: a tutorial. <i>Memetic Computing</i> , 2012 , 4, 3-17	3.4	123
11	Chemical Reaction Optimization for the Fuzzy Rule learning problem 2012 ,		8
10	Short adjacent repeat identification based on Chemical Reaction Optimization 2012 ,		3
9	Chemical Reaction Optimization for the optimal power flow problem 2012 ,		1
8	Evolutionary artificial neural network based on Chemical Reaction Optimization 2011 ,		37
7	Chemical Reaction Optimization for Task Scheduling in Grid Computing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2011 , 22, 1624-1631	3.7	110
6	Network Coding Optimization Based on Chemical Reaction Optimization 2011 ,		5
5	Chemical Reaction Optimization for Cognitive Radio Spectrum Allocation 2010 ,		29
4	Chemical Reaction Optimization for population transition in peer-to-peer live streaming 2010 ,		33
3	An information-theoretic model for resource-constrained systems 2010 ,		1
2	Chemical-Reaction-Inspired Metaheuristic for Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 381-399	15.6	384
1	Generalization of the no-free-lunch theorem 2009 ,		2