

# Albert Y S Lam

## List of Publications by Citations

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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	Chemical-Reaction-Inspired Metaheuristic for Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2010</b> , 14, 381-399	15.6	384
64	. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 2846-2856	10.7	239
63	. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 1714-1726	7	154
62	Intelligent Time-Adaptive Transient Stability Assessment System. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 1049-1058	7	123
61	Chemical Reaction Optimization: a tutorial. <i>Memetic Computing</i> , <b>2012</b> , 4, 3-17	3.4	123
60	Real-Coded Chemical Reaction Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2012</b> , 16, 339-353	15.6	119
59	Intelligent Fault Detection Scheme for Microgrids With Wavelet-Based Deep Neural Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1694-1703	10.7	112
58	Chemical Reaction Optimization for Task Scheduling in Grid Computing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2011</b> , 22, 1624-1631	3.7	110
57	. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 7, 156-166	10.7	104
56	Autonomous-Vehicle Public Transportation System: Scheduling and Admission Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 1210-1226	6.1	81
55	Distributed algorithms for optimal power flow problem <b>2012</b> ,		67
54	On the Convergence of Chemical Reaction Optimization for Combinatorial Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2013</b> , 17, 605-620	15.6	53
53	Autonomous Vehicle Logistic System: Joint Routing and Charging Strategy. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 2175-2187	6.1	43
52	Evolutionary artificial neural network based on Chemical Reaction Optimization <b>2011</b> ,		37
51	Deep Multi-Scale Convolutional LSTM Network for Travel Demand and Origin-Destination Predictions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 3219-3232	6.1	37
50	Electric vehicle charging station placement <b>2013</b> ,		36
49	Coordinated Autonomous Vehicle Parking for Vehicle-to-Grid Services: Formulation and Distributed Algorithm. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 4356-4366	10.7	34

48	Chemical Reaction Optimization for population transition in peer-to-peer live streaming <b>2010,</b>		33
47	Online Scheduling for Hierarchical Vehicle-to-Grid System: Design, Formulation, and Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 1302-1317	6.8	30
46	Chemical Reaction Optimization for Cognitive Radio Spectrum Allocation <b>2010,</b>		29
45	Delay Aware Power System Synchrophasor Recovery and Prediction Framework. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 3732-3742	10.7	28
44	Delay Aware Intelligent Transient Stability Assessment System. <i>IEEE Access</i> , <b>2017</b> , 5, 17230-17239	3.5	28
43	A multi-layer market for vehicle-to-grid energy trading in the smart grid <b>2012,</b>		28
42	Combinatorial Auction-Based Pricing for Multi-Tenant Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 859-869	6.1	26
41	Optimal Power Flow With Power Flow Routers. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 531-543	7	23
40	Vehicular Energy Network. <i>IEEE Transactions on Transportation Electrification</i> , <b>2017</b> , 3, 392-404	7.6	23
39	Power-Controlled Cognitive Radio Spectrum Allocation with Chemical Reaction Optimization. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 3180-3190	9.6	19
38	Dynamic Lane Reversal Routing and Scheduling for Connected and Autonomous Vehicles: Formulation and Distributed Algorithm. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 2557-2570	6.1	17
37	Capacity management of vehicle-to-grid system for power regulation services <b>2012,</b>		16
36	Opportunistic Routing for Vehicular Energy Network. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 533-545	10.7	15
35	Double Auction-Based Pricing Mechanism for Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2018</b> , 3, 151-162	5	12
34	Dynamic lane reversal routing and scheduling for connected autonomous vehicles <b>2017,</b>		10
33	Travel Demand Prediction using Deep Multi-Scale Convolutional LSTM Network <b>2018,</b>		10
32	An electric-vehicle-based supplementary power delivery system <b>2015,</b>		9
31	Delay aware transient stability assessment with synchrophasor recovery and prediction framework. <i>Neurocomputing</i> , <b>2018</b> , 322, 187-194	5.4	9

30	Power Output Smoothing for Renewable Energy System: Planning, Algorithms, and Analysis. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1034-1045	4-3	8
29	Optimal V2G scheduling of electric vehicles and Unit Commitment using Chemical Reaction Optimization <b>2013</b> ,		8
28	Autonomous vehicle public transportation system <b>2014</b> ,		8
27	Chemical Reaction Optimization for the Fuzzy Rule learning problem <b>2012</b> ,		8
26	Architectural design and load flow study of power flow routers <b>2014</b> ,		7
25	Real-coded chemical reaction optimization with different perturbation functions <b>2012</b> ,		6
24	Sensor deployment for air pollution monitoring using public transportation system <b>2012</b> ,		6
23	Network Coding Optimization Based on Chemical Reaction Optimization <b>2011</b> ,		5
22	Coordinated autonomous vehicle parking for vehicle-to-grid services <b>2016</b> ,		5
21	Public Transport Waiting Time Estimation Using Semi-Supervised Graph Convolutional Networks <b>2019</b> ,		5
20	Traffic Signal Control Using End-to-End Off-Policy Deep Reinforcement Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	5
19	Adaptive chemical reaction optimization for global numerical optimization <b>2015</b> ,		3
18	Energy loss minimization for vehicular energy network routing <b>2016</b> ,		3
17	Short adjacent repeat identification based on Chemical Reaction Optimization <b>2012</b> ,		3
16	Maximizing aggregator profit through energy trading by coordinated electric vehicle charging <b>2016</b> ,		3
15	Core-Selecting Auctions for Autonomous Vehicle Public Transportation System. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 2046-2056	4-3	3
14	Generalization of the no-free-lunch theorem <b>2009</b> ,		2
13	Reducing BESS Capacity for Accommodating Renewables in Subtransmission Systems with Power Flow Routers <b>2020</b> ,		2

12	Joint Rebalancing and Vehicle-to-Grid Coordination for Autonomous Vehicle Public Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-14	6.1	2
11	Robust Routing for Vehicular Energy Network <b>2017</b> ,		1
10	An inter-molecular adaptive collision scheme for Chemical Reaction Optimization <b>2014</b> ,		1
9	An information-theoretic model for resource-constrained systems <b>2010</b> ,		1
8	Chemical Reaction Optimization for the optimal power flow problem <b>2012</b> ,		1
7	Electric Autonomous Vehicle Charging and Parking Coordination for Vehicle-to-Grid Voltage Regulation with Renewable Energy <b>2020</b> ,		1
6	Transient Stability-Constrained Optimal Power Flow with Power Flow Routers <b>2018</b> ,		1
5	IEEE CIS Social Media: Have You Joined Our Online Community? [Society Briefs]. <i>IEEE Computational Intelligence Magazine</i> , <b>2012</b> , 7, 4-79	5.6	
4	Enhancing Flexibility at the Transmission-Distribution Interface with Power Flow Routers. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	
3	Disturbance-Aware Neuro-Optimal System Control Using Generative Adversarial Control Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4565-4576	10.3	
2	Chance-Constrained OPF in Droop-Controlled Microgrids with Power Flow Routers. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	
1	Two-Stage Auction Mechanism for Long-Term Participation in Crowdsourcing. <i>IEEE Transactions on Computational Social Systems</i> , <b>2022</b> , 1-14	4.5	