Mengqi Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,322 citations	331670 21 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	1343 citing authors

#	Article	IF	Citations
1	Deep Deterministic Policy Gradient With Compatible Critic Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4332-4344.	11.3	7
2	Dynamic energy scheduling and routing of multiple electric vehicles using deep reinforcement learning. Energy, 2022, 244, 122626.	8.8	24
3	Deep Reinforcement Learning With Graph Representation for Vehicle Repositioning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13094-13107.	8.0	6
4	Dynamic energy scheduling and routing of a large fleet of electric vehicles using multi-agent reinforcement learning. Computers and Industrial Engineering, 2022, 169, 108180.	6.3	13
5	Continuous Model Adaptation Using Online Meta-Learning for Smart Grid Application. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3633-3642.	11.3	8
6	A comparison study on trading behavior and profit distribution in local energy transaction games. Applied Energy, 2020, 280, 115941.	10.1	34
7	Integrated energy scheduling and routing for a network of mobile prosumers. Energy, 2020, 200, 117451.	8.8	9
8	Swarm intelligenceâ€“based distributed stochastic model predictive control for transactive operation of networked building clusters. Energy and Buildings, 2019, 198, 207-215.	6.7	18
9	Adaptive recommendation model using meta-learning for population-based algorithms. Information Sciences, 2019, 476, 192-210.	6.9	28
10	A swarm intelligence based distributed decision approach for transactive operation of networked building clusters. Energy and Buildings, 2018, 169, 172-184.	6.7	14
11	Multi-objective path planning for unmanned surface vehicle with currents effects. ISA Transactions, 2018, 75, 137-156.	5.7	154
12	A scenario-based stochastic programming approach for the product configuration problem under uncertainties and carbon emission regulations. Transportation Research, Part E: Logistics and Transportation Review, 2018, 115, 126-146.	7.4	25
13	A data-driven analytical approach to enable optimal emerging technologies integration in the co-optimized electricity and ancillary service markets. Energy, 2017, 122, 613-626.	8.8	8
14	Influence analysis of driver behavior and building category on economic performance of electric vehicle to grid and building integration. Applied Energy, 2017, 207, 427-437.	10.1	50
15	A Collaborative Decision Model for Electric Vehicle to Building Integration. Energy Procedia, 2017, 105, 2077-2082.	1.8	22
16	A comparison analysis of swarm intelligence algorithms for robot swarm learning. , 2017, , .		7
17	An agent-based simulation model for distributed vehicle sharing operations. , 2017, , .		1
18	A data-driven modeling approach for digital material additive manufacturing process planning. , 2016, , .		0

#	Article	IF	Citations
19	Short-term building energy model recommendation system: A meta-learning approach. Applied Energy, 2016, 172, 251-263.	10.1	80
20	A reliability-based transit trip planning model under transit network uncertainty. Public Transport, 2016, 8, 477-496.	2.7	9
21	Balancing collective and individual interests in transactive energy management of interconnected micro-grid clusters. Energy, 2016, 109, 1075-1085.	8.8	67
22	A distributed decision framework for building clusters with different heterogeneity settings. Applied Energy, 2016, 165, 393-404.	10.1	43
23	A recommendation system for meta-modeling: A meta-learning based approach. Expert Systems With Applications, 2016, 46, 33-44.	7.6	49
24	A data-driven feed-forward decision framework for building clusters operation under uncertainty. Applied Energy, 2015, 141, 229-237.	10.1	26
25	A collaborative operation decision model for distributed building clusters. Energy, 2015, 84, 759-773.	8.8	44
26	A probability constrained multi-objective optimization model for CCHP system operation decision support. Applied Energy, 2014, 116, 230-242.	10.1	117
27	Design of a decentralized framework for collaborative product design using memetic algorithms. Optimization and Engineering, 2014, 15, 657-676.	2.4	8
28	An augmented multi-objective particle swarm optimizer for building cluster operation decisions. Applied Soft Computing Journal, 2014, 25, 347-359.	7.2	33
29	Accuracy vs. robustness: Bi-criteria optimized ensemble of metamodels. , 2014, , .		0
30	An Adaptive Particle Swarm Optimization With Multiple Adaptive Methods. IEEE Transactions on Evolutionary Computation, 2013, 17, 705-720.	10.0	165
31	A single-loop deterministic method for reliability-based design optimization. Engineering Optimization, 2013, 45, 435-458.	2.6	55
32	An intelligent augmentation of particle swarm optimization with multiple adaptive methods. Information Sciences, 2012, 213, 68-83.	6.9	67
33	Decentralized operation strategies for an integrated building energy system using a memetic algorithm. European Journal of Operational Research, 2012, 217, 185-197.	5.7	68
34	Informatics in Radiology: Efficiency Metrics for Imaging Device Productivity. Radiographics, 2011, 31, 603-616.	3.3	27
35	The Application of Memetic Algorithms for Forearm Crutch Design: A Case Study. Mathematical Problems in Engineering, 2011, 2011, 1-14.	1.1	4
36	An accurate penalty-based approach for reliability-based design optimization. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2010, 21, 87-98.	2.1	32