

Hongseok Kim

List of Publications by Year in descending order

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54
papers

2,363
citations

394421

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docs citations

54
times ranked

2505
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-Neutral Cellular Network Operation Based on Deep Reinforcement Learning. <i>Energies</i> , 2022, 15, 4504.	3.1	1
2	Cloud Energy Storage System Operation with Capacity P2P Transaction. <i>Energies</i> , 2021, 14, 339.	3.1	10
3	DeepComp: Deep reinforcement learning based renewable energy error compensable forecasting. <i>Applied Energy</i> , 2021, 294, 116970.	10.1	12
4	Direct Energy Trading of Microgrids in Distribution Energy Market. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 639-651.	6.5	127
5	Convolutional Autoencoder Based Feature Extraction and Clustering for Customer Load Analysis. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 1048-1060.	6.5	76
6	Missing-Insensitive Short-Term Load Forecasting Leveraging Autoencoder and LSTM. <i>IEEE Access</i> , 2020, 8, 206039-206048.	4.2	17
7	LSTM-Based Battery Remaining Useful Life Prediction With Multi-Channel Charging Profiles. <i>IEEE Access</i> , 2020, 8, 20786-20798.	4.2	174
8	Denosing Autoencoder-Based Missing Value Imputation for Smart Meters. <i>IEEE Access</i> , 2020, 8, 40656-40666.	4.2	53
9	Intelligence and Trading with Energy Storage and Renewable Generation of Microgrids. , 2020, , 629-633.		0
10	Two Time-Scale Edge Caching and BS Association for Power-Delay Tradeoff in Multi-Cell Networks. <i>IEEE Transactions on Communications</i> , 2019, 67, 5506-5519.	7.8	19
11	Machine Learning-Based Lithium-Ion Battery Capacity Estimation Exploiting Multi-Channel Charging Profiles. <i>IEEE Access</i> , 2019, 7, 75143-75152.	4.2	138
12	Managing Load Uncertainty Leveraging Real-time Scheduling of Energy Storage System. <i>IFAC-PapersOnLine</i> , 2019, 52, 258-263.	0.9	0
13	Practical Operation Strategies for Energy Storage System under Uncertainty. <i>Energies</i> , 2019, 12, 1098.	3.1	14
14	Direct Energy Trading of Microgrids in Distribution Energy Market. , 2019, , .		5
15	Multi-Site Photovoltaic Forecasting Exploiting Space-Time Convolutional Neural Network. <i>Energies</i> , 2019, 12, 4490.	3.1	28
16	Multiple Power Line Outage Detection in Smart Grids: Probabilistic Bayesian Approach. <i>IEEE Access</i> , 2018, 6, 10650-10661.	4.2	22
17	Residential Load Profile Clustering via Deep Convolutional Autoencoder. , 2018, , .		7
18	Short-Term Load Forecasting based on ResNet and LSTM. , 2018, , .		48

#	ARTICLE	IF	CITATIONS
19	Gaussian Residual Bidding Based Coalition for Two-Settlement Renewable Energy Market. IEEE Access, 2018, 6, 43029-43038.	4.2	12
20	Intelligence and Trading with Energy Storage and Renewable Generation of Microgrids. , 2018, , 1-4.		0
21	Optimal sleeping: models and experiments for energy-delay tradeoff. International Journal of Systems Science: Operations and Logistics, 2017, 4, 356-371.	3.0	3
22	ON/OFF Reporting Mechanism for Robust Cooperative Sensing in Cognitive IoT Networks. , 2017, , .		3
23	Coalition-based bidding strategies for integrating renewable energy sources in electricity market. , 2017, , .		1
24	On Optimal Cooperative Sensing with Energy Detection in Cognitive Radio. Sensors, 2017, 17, 2111.	3.8	15
25	Towards Harmonious Coexistence in the Unlicensed Spectrum: Rational Cooperation of Operators. Sensors, 2017, 17, 2432.	3.8	0
26	Deep Neural Network Based Demand Side Short Term Load Forecasting. Energies, 2017, 10, 3.	3.1	274
27	Optimal Energy Scheduling and Transaction Mechanism for Multiple Microgrids. Energies, 2017, 10, 566.	3.1	19
28	Robust Operation of Energy Storage System with Uncertain Load Profiles. Energies, 2017, 10, 416.	3.1	20
29	Optimal Scheduling of Energy Storage System for Self-Sustainable Base Station Operation Considering Battery Wear-Out Cost. Energies, 2016, 9, 462.	3.1	56
30	On Optimal Cell Flashing for Reducing Delay and Saving Energy in Wireless Networks. Energies, 2016, 9, 768.	3.1	3
31	Green Small Cell Operation of Ultra-Dense Networks Using Device Assistance. Energies, 2016, 9, 1065.	3.1	4
32	RCS based target recognition with real FMCW radar implementation. Microwave and Optical Technology Letters, 2016, 58, 1745-1750.	1.4	13
33	Robust Cooperative Sensing With ON/OFF Signaling Over Imperfect Reporting Channels. IEEE Transactions on Industrial Informatics, 2016, 12, 2196-2205.	11.3	15
34	Optimal scheduling of energy storage system for self-sustainable base station operation considering battery wear-out cost. , 2016, , .		4
35	Self-Organizing Spectrum Breathing and User Association for Load Balancing in Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3409-3421.	9.2	11
36	BRUTE: Energy-Efficient User Association in Cellular Networks From Population Game Perspective. IEEE Transactions on Wireless Communications, 2016, 15, 663-675.	9.2	22

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37	Data-Driven Baseline Estimation of Residential Buildings for Demand Response. <i>Energies</i> , 2015, 8, 10239-10259.	3.1	43
38	QoS-Aware Scheduling for Sigmoid Optimization in Wireless Networks. <i>IEEE Communications Letters</i> , 2014, 18, 1995-1998.	4.1	20
39	A framework for baseline load estimation in demand response: Data mining approach. , 2014, , .		21
40	Unlimited cooperative sensing with energy detection for cognitive radio. <i>Journal of Communications and Networks</i> , 2014, 16, 172-182.	2.6	14
41	Unlimited cooperative sensing with energy detection for cognitive radio. , 2014, , .		2
42	Green small cell operation using belief propagation in wireless networks. , 2014, , .		3
43	Delaunay Triangulation Based Green Base Station Operation for Self Organizing Network. , 2013, , .		5
44	Spectrum breathing and cell load balancing for self organizing wireless networks. , 2013, , .		5
45	Pricing-Based Decentralized Spectrum Access Control in Cognitive Radio Networks. <i>IEEE/ACM Transactions on Networking</i> , 2013, 21, 522-535.	3.8	62
46	SeDAX: A Scalable, Resilient, and Secure Platform for Smart Grid Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2012, 30, 1119-1136.	14.0	58
47	Iterative resource pooling for bandwidth allocation in TDM-PON: algorithm, convergence and experimental evaluation. <i>Photonic Network Communications</i> , 2012, 24, 138-150.	2.7	3
48	Distributed α -Optimal User Association and Cell Load Balancing in Wireless Networks. <i>IEEE/ACM Transactions on Networking</i> , 2012, 20, 177-190.	3.8	349
49	Base Station Operation and User Association Mechanisms for Energy-Delay Tradeoffs in Green Cellular Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2011, 29, 1525-1536.	14.0	382
50	A two-stage market model for microgrid power transactions via aggregators. <i>Bell Labs Technical Journal</i> , 2011, 16, 101-107.	0.7	66
51	Energy Conservation and Interference Mitigation: From Decoupling Property to Win-Win Strategy. <i>IEEE Transactions on Wireless Communications</i> , 2011, 10, 3943-3955.	9.2	10
52	Energy Efficient Assisted GPS Measurement and Path Reconstruction for People Tracking. , 2010, , .		8
53	Leveraging Dynamic Spare Capacity in Wireless Systems to Conserve Mobile Terminals' Energy. <i>IEEE/ACM Transactions on Networking</i> , 2010, 18, 802-815.	3.8	75
54	QoS-revenue tradeoff with time-constrained ISP pricing. , 2010, , .		11