

Hongseok Kim

List of Publications by Year in descending order

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54
papers

2,363
citations

394421

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all docs

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docs citations

54
times ranked

2505
citing authors

#	ARTICLE	IF	CITATIONS
1	Base Station Operation and User Association Mechanisms for Energy-Delay Tradeoffs in Green Cellular Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1525-1536.	14.0	382
2	Distributed α -Optimal User Association and Cell Load Balancing in Wireless Networks. IEEE/ACM Transactions on Networking, 2012, 20, 177-190.	3.8	349
3	Deep Neural Network Based Demand Side Short Term Load Forecasting. Energies, 2017, 10, 3.	3.1	274
4	LSTM-Based Battery Remaining Useful Life Prediction With Multi-Channel Charging Profiles. IEEE Access, 2020, 8, 20786-20798.	4.2	174
5	Machine Learning-Based Lithium-Ion Battery Capacity Estimation Exploiting Multi-Channel Charging Profiles. IEEE Access, 2019, 7, 75143-75152.	4.2	138
6	Direct Energy Trading of Microgrids in Distribution Energy Market. IEEE Transactions on Power Systems, 2020, 35, 639-651.	6.5	127
7	Convolutional Autoencoder Based Feature Extraction and Clustering for Customer Load Analysis. IEEE Transactions on Power Systems, 2020, 35, 1048-1060.	6.5	76
8	Leveraging Dynamic Spare Capacity in Wireless Systems to Conserve Mobile Terminals' Energy. IEEE/ACM Transactions on Networking, 2010, 18, 802-815.	3.8	75
9	A two-stage market model for microgrid power transactions via aggregators. Bell Labs Technical Journal, 2011, 16, 101-107.	0.7	66
10	Pricing-Based Decentralized Spectrum Access Control in Cognitive Radio Networks. IEEE/ACM Transactions on Networking, 2013, 21, 522-535.	3.8	62
11	SeDAX: A Scalable, Resilient, and Secure Platform for Smart Grid Communications. IEEE Journal on Selected Areas in Communications, 2012, 30, 1119-1136.	14.0	58
12	Optimal Scheduling of Energy Storage System for Self-Sustainable Base Station Operation Considering Battery Wear-Out Cost. Energies, 2016, 9, 462.	3.1	56
13	Denoising Autoencoder-Based Missing Value Imputation for Smart Meters. IEEE Access, 2020, 8, 40656-40666.	4.2	53
14	Short-Term Load Forecasting based on ResNet and LSTM. , 2018, , .		48
15	Data-Driven Baseline Estimation of Residential Buildings for Demand Response. Energies, 2015, 8, 10239-10259.	3.1	43
16	Multi-Site Photovoltaic Forecasting Exploiting Space-Time Convolutional Neural Network. Energies, 2019, 12, 4490.	3.1	28
17	BRUTE: Energy-Efficient User Association in Cellular Networks From Population Game Perspective. IEEE Transactions on Wireless Communications, 2016, 15, 663-675.	9.2	22
18	Multiple Power Line Outage Detection in Smart Grids: Probabilistic Bayesian Approach. IEEE Access, 2018, 6, 10650-10661.	4.2	22

#	ARTICLE	IF	CITATIONS
19	A framework for baseline load estimation in demand response: Data mining approach. , 2014, , .		21
20	QoE-Aware Scheduling for Sigmoid Optimization in Wireless Networks. IEEE Communications Letters, 2014, 18, 1995-1998.	4.1	20
21	Robust Operation of Energy Storage System with Uncertain Load Profiles. Energies, 2017, 10, 416.	3.1	20
22	Optimal Energy Scheduling and Transaction Mechanism for Multiple Microgrids. Energies, 2017, 10, 566.	3.1	19
23	Two Time-Scale Edge Caching and BS Association for Power-Delay Tradeoff in Multi-Cell Networks. IEEE Transactions on Communications, 2019, 67, 5506-5519.	7.8	19
24	Missing-Insensitive Short-Term Load Forecasting Leveraging Autoencoder and LSTM. IEEE Access, 2020, 8, 206039-206048.	4.2	17
25	Robust Cooperative Sensing With ON/OFF Signaling Over Imperfect Reporting Channels. IEEE Transactions on Industrial Informatics, 2016, 12, 2196-2205.	11.3	15
26	On Optimal Cooperative Sensing with Energy Detection in Cognitive Radio. Sensors, 2017, 17, 2111.	3.8	15
27	Unlimited cooperative sensing with energy detection for cognitive radio. Journal of Communications and Networks, 2014, 16, 172-182.	2.6	14
28	Practical Operation Strategies for Energy Storage System under Uncertainty. Energies, 2019, 12, 1098.	3.1	14
29	RCS based target recognition with real FMCW radar implementation. Microwave and Optical Technology Letters, 2016, 58, 1745-1750.	1.4	13
30	Gaussian Residual Bidding Based Coalition for Two-Settlement Renewable Energy Market. IEEE Access, 2018, 6, 43029-43038.	4.2	12
31	DeepComp: Deep reinforcement learning based renewable energy error compensable forecasting. Applied Energy, 2021, 294, 116970.	10.1	12
32	QoS-revenue tradeoff with time-constrained ISP pricing. , 2010, , .		11
33	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
34	Energy Conservation and Interference Mitigation: From Decoupling Property to Win-Win Strategy. IEEE Transactions on Wireless Communications, 2011, 10, 3943-3955.	9.2	10
35	Cloud Energy Storage System Operation with Capacity P2P Transaction. Energies, 2021, 14, 339.	3.1	10
36	Energy Efficient Assisted GPS Measurement and Path Reconstruction for People Tracking. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
37	Residential Load Profile Clustering via Deep Convolutional Autoencoder. , 2018, , .		7
38	Delaunay Triangulation Based Green Base Station Operation for Self Organizing Network. , 2013, , .		5
39	Spectrum breathing and cell load balancing for self organizing wireless networks. , 2013, , .		5
40	Direct Energy Trading of Microgrids in Distribution Energy Market. , 2019, , .		5
41	Green Small Cell Operation of Ultra-Dense Networks Using Device Assistance. Energies, 2016, 9, 1065.	3.1	4
42	Optimal scheduling of energy storage system for self-sustainable base station operation considering battery wear-out cost. , 2016, , .		4
43	Iterative resource pooling for bandwidth allocation in TDM-PON: algorithm, convergence and experimental evaluation. Photonic Network Communications, 2012, 24, 138-150.	2.7	3
44	Green small cell operation using belief propagation in wireless networks. , 2014, , .		3
45	On Optimal Cell Flashing for Reducing Delay and Saving Energy in Wireless Networks. Energies, 2016, 9, 768.	3.1	3
46	Optimal sleeping: models and experiments for energy-delay tradeoff. International Journal of Systems Science: Operations and Logistics, 2017, 4, 356-371.	3.0	3
47	ON/OFF Reporting Mechanism for Robust Cooperative Sensing in Cognitive IoT Networks. , 2017, , .		3
48	Unlimited cooperative sensing with energy detection for cognitive radio. , 2014, , .		2
49	Coalition-based bidding strategies for integrating renewable energy sources in electricity market. , 2017, , .		1
50	Carbon-Neutral Cellular Network Operation Based on Deep Reinforcement Learning. Energies, 2022, 15, 4504.	3.1	1
51	Towards Harmonious Coexistence in the Unlicensed Spectrum: Rational Cooperation of Operators. Sensors, 2017, 17, 2432.	3.8	0
52	Managing Load Uncertainty Leveraging Real-time Scheduling of Energy Storage System. IFAC-PapersOnLine, 2019, 52, 258-263.	0.9	0
53	Intelligence and Trading with Energy Storage and Renewable Generation of Microgrids. , 2018, , 1-4.		0
54	Intelligence and Trading with Energy Storage and Renewable Generation of Microgrids. , 2020, , 629-633.		0