

Ying Zhang

List of Publications by Year in descending order

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32
papers

772
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623734

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32
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Ru-InN Monolayer as a Gas Scavenger to Guard the Operation Status of SF ₆ Insulation Devices: A First-Principles Theory. IEEE Sensors Journal, 2019, 19, 5249-5255.	4.7	158
2	Nanomaterials-based gas sensors of SF ₆ decomposed species for evaluating the operation status of high-voltage insulation devices. High Voltage, 2019, 4, 242-258.	4.7	124
3	Radiation Beam Pattern Synthesis of Concentric Circular Antenna Arrays Using Hybrid Approach Based on Cuckoo Search. IEEE Transactions on Antennas and Propagation, 2018, 66, 4563-4576.	5.1	52
4	A Practical Supercapacitor Model for Power Management in Wireless Sensor Nodes. IEEE Transactions on Power Electronics, 2015, 30, 6720-6730.	7.9	49
5	Predictive Power Management for Internet of Battery-Less Things. IEEE Transactions on Power Electronics, 2018, 33, 299-312.	7.9	39
6	A Sidelobe and Energy Optimization Array Node Selection Algorithm for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2018, 6, 2515-2530.	4.2	38
7	Energy Efficient Collaborative Beamforming for Reducing Sidelobe in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2021, 20, 965-982.	5.8	34
8	u-DeepHand: FMCW Radar-Based Unsupervised Hand Gesture Feature Learning Using Deep Convolutional Auto-Encoder Network. IEEE Sensors Journal, 2019, 19, 6811-6821.	4.7	28
9	Clustered Data Collection for Internet of Batteryless Things. IEEE Internet of Things Journal, 2017, 4, 2275-2285.	8.7	27
10	MRPT: Millimeter-Wave Radar-Based Pedestrian Trajectory Tracking for Autonomous Urban Driving. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17.	4.7	24
11	Non-Contact Sensing of Seismocardiogram Signals Using Microwave Doppler Radar. IEEE Sensors Journal, 2018, 18, 5956-5964.	4.7	23
12	Improving Performance of Distributed Collaborative Beamforming in Mobile Wireless Sensor Networks: A Multiobjective Optimization Method. IEEE Internet of Things Journal, 2020, 7, 6787-6801.	8.7	21
13	Thinning of Concentric Circular Antenna Arrays Using Improved Discrete Cuckoo Search Algorithm. , 2017, , .		18
14	JSSA: Joint Sidelobe Suppression Approach for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2019, 7, 151803-151817.	4.2	17
15	Dual-Carrier Noncontact Vital Sign Detection With a Noise Suppression Scheme Based on Phase-Locked Loop. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4003-4011.	4.6	14
16	Repairing the N-vacancy in an InN monolayer using NO molecules: a first-principles study. Nanoscale Advances, 2019, 1, 2003-2008.	4.6	14
17	Collaborative In-Network Processing for Internet of Battery-Less Things. IEEE Internet of Things Journal, 2019, 6, 5184-5195.	8.7	13
18	Neural network-based direct adaptive robust control of unknown MIMO nonlinear systems using state observer. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1-14.	4.1	12

#	ARTICLE	IF	CITATIONS
19	The Delineation of Fiducial Points for Non-Contact Radar Seismocardiogram Signals Without Concurrent ECG. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1031-1040.	6.3	12
20	A joint optimization approach for distributed collaborative beamforming in mobile wireless sensor networks. Ad Hoc Networks, 2020, 106, 102216.	5.5	11
21	Standalone Systolic Profile Detection of Non-Contact SCG Signal With LSTM Network. IEEE Sensors Journal, 2020, 20, 3123-3131.	4.7	10
22	Adaptive Thermal Management of Implantable Device. IEEE Sensors Journal, 2019, 19, 1176-1185.	4.7	6
23	Accelerated distributed model predictive control for HVAC systems. Control Engineering Practice, 2021, 110, 104782.	5.5	5
24	Online Predictive Modeling for the Thermal Effect of Implantable Devices. , 2018, , .		4
25	Corrections to "Ru-InN Monolayer as a Gas Scavenger to Guard the Operation Status of SF ₆ Insulation Devices: A First-Principles Theory" [Jul 19 5249-5255]. IEEE Sensors Journal, 2020, 20, 562-562.	4.7	4
26	Nondestructive Damage Detection of Concrete With Alkali-Silica Reactions Using Coda Wave and Anomaly Detection. IEEE Sensors Journal, 2022, 22, 6124-6135.	4.7	4
27	Latency-Aware In-Network Computing for Internet of Battery-Less Things. , 2018, , .		3
28	Recursive Subspace Identification for Online Thermal Management of Implantable Devices. , 2019, , .		3
29	Joint power and thermal management for implantable devices. , 2015, , .		2
30	Robust and Low-Complexity Time-Reversal Subspace Decomposition Methods for Acoustic Emission Imaging and Localization. IEEE Sensors Journal, 2021, 21, 3486-3496.	4.7	2
31	Online Predictive Modeling of the Thermal Effect of Bio-Implants With Spatially Distributed Parameters. IEEE Sensors Journal, 2021, 21, 2013-2023.	4.7	1
32	Online Thermal Effect Modeling and Prediction of Implantable Devices. IEEE Sensors Journal, 2021, 21, 2443-2453.	4.7	0