

Ying Zhang

List of Publications by Year in descending order

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32
papers

772
citations

623734

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32
docs citations

32
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Online Thermal Effect Modeling and Prediction of Implantable Devices. IEEE Sensors Journal, 2021, 21, 2443-2453.	4.7	0
4	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
5	Online Predictive Modeling of the Thermal Effect of Bio-Implants With Spatially Distributed Parameters. IEEE Sensors Journal, 2021, 21, 2013-2023.	4.7	1
6	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
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	Accelerated distributed model predictive control for HVAC systems. Control Engineering Practice, 2021, 110, 104782.	5.5	5
9	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
10	Standalone Systolic Profile Detection of Non-Contact SCG Signal With LSTM Network. IEEE Sensors Journal, 2020, 20, 3123-3131.	4.7	10
11	A joint optimization approach for distributed collaborative beamforming in mobile wireless sensor networks. Ad Hoc Networks, 2020, 106, 102216.	5.5	11
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	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
14	JSSA: Joint Sidelobe Suppression Approach for Collaborative Beamforming in Wireless Sensor Networks. IEEE Access, 2019, 7, 151803-151817.	4.2	17
15	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
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	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
18	Collaborative In-Network Processing for Internet of Battery-Less Things. IEEE Internet of Things Journal, 2019, 6, 5184-5195.	8.7	13

#	ARTICLE	IF	CITATIONS
19	Recursive Subspace Identification for Online Thermal Management of Implantable Devices. , 2019, , .		3
20	Nanomaterialsâ€based gas sensors of SF ₆ decomposed species for evaluating the operation status of highâ€voltage insulation devices. High Voltage, 2019, 4, 242-258.	4.7	124
21	Adaptive Thermal Management of Implantable Device. IEEE Sensors Journal, 2019, 19, 1176-1185.	4.7	6
22	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
23	Predictive Power Management for Internet of Battery-Less Things. IEEE Transactions on Power Electronics, 2018, 33, 299-312.	7.9	39
24	Online Predictive Modeling for the Thermal Effect of Implantable Devices. , 2018, , .		4
25	Latency-Aware In-Network Computing for Internet of Battery-Less Things. , 2018, , .		3
26	Non-Contact Sensing of Seismocardiogram Signals Using Microwave Doppler Radar. IEEE Sensors Journal, 2018, 18, 5956-5964.	4.7	23
27	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
28	Thinning of Concentric Circular Antenna Arrays Using Improved Discrete Cuckoo Search Algorithm. , 2017, , .		18
29	Clustered Data Collection for Internet of Batteryless Things. IEEE Internet of Things Journal, 2017, 4, 2275-2285.	8.7	27
30	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
31	Joint power and thermal management for implantable devices. , 2015, , .		2
32	A Practical Supercapacitor Model for Power Management in Wireless Sensor Nodes. IEEE Transactions on Power Electronics, 2015, 30, 6720-6730.	7.9	49