

Lei Shu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

418
papers

10,310
citations

53
h-index

88
g-index

494
ext. papers

13,142
ext. citations

4.5
avg, IF

7.09
L-index

#	Paper	IF	Citations
4 ¹⁸	Target-Barrier Coverage Improvement in an Insecticidal Lamps Internet of UAVs. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	1
4 ¹⁷	Physical Security and Safety of IoT Equipment: A Survey of Recent Advances and Opportunities. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	5
4 ¹⁶	Cyber Security Intrusion Detection for Agriculture 4.0: Machine Learning-Based Solutions, Datasets, and Future Directions. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 407-436	7	5
4 ¹⁵	UAV-assisted connectivity enhancement algorithms for multiple isolated sensor networks in agricultural Internet of Things. <i>Computer Networks</i> , 2022 , 207, 108854	5.4	2
4 ¹⁴	FELIDS: Federated learning-based intrusion detection system for agricultural Internet of Things. <i>Journal of Parallel and Distributed Computing</i> , 2022 , 165, 17-31	4.4	2
4 ¹³	SA1D-CNN: A Separable and Attention Based Lightweight Sensor Fault Diagnosis Method for Solar Insecticidal Lamp Internet of Things. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2022 , 1-1	3.6	1
4 ¹²	Soybean Yield Preharvest Prediction Based on Bean Pods and Leaves Image Recognition Using Deep Learning Neural Network Combined With GRNN.. <i>Frontiers in Plant Science</i> , 2021 , 12, 791256	6.2	2
4 ¹¹	A Multi-sensor Information Fusion Method for High Reliability Fault Diagnosis of Rotating Machinery. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	4
4 ¹⁰	UAV Assisted Sleep Scheduling Algorithm for Energy-Efficient Data Collection in Agricultural Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
4 ⁰⁹	Online Reconfiguration of Latency-Aware IoT Services in Edge Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
4 ⁰⁸	. <i>IEEE Access</i> , 2021 , 9, 138509-138542	3.5	12
4 ⁰⁷	A Novel Class Noise Detection Method for High-Dimensional Data in Industrial Informatics. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2181-2190	11.9	9
4 ⁰⁶	Efficient Workload Allocation and User-Centric Utility Maximization for Task Scheduling in Collaborative Vehicular Edge Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3773-3787	6.8	12
4 ⁰⁵	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 718-752	7	89
4 ⁰⁴	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. <i>Electronics (Switzerland)</i> , 2021 , 10, 1257	2.6	26
4 ⁰³	Poster Abstract: Insecticidal Performance Simulation of Solar Insecticidal Lamps Internet of Things Using the Number of Falling Edge Trigger 2021 ,		3
4 ⁰²	. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 15, 52-64	6.2	1

401	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10170-10186	10.7	7
400	ArvaNet: Deep Recurrent Architecture for PPG-Based Negative Mental-State Monitoring. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 179-190	4.5	5
399	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4322-4334	11.9	104
398	Optimal Deployment for Target-Barrier Coverage Problems in Wireless Sensor Networks. <i>IEEE Systems Journal</i> , 2021 , 15, 2241-2244	4.3	3
397	A Survey on Smart Agriculture: Development Modes, Technologies, and Security and Privacy Challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 273-302	7	61
396	Enabling Efficient Model-Free Control of Large-Scale Canals by Exploiting Domain Knowledge. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8730-8742	8.9	1
395	The Performance Evaluation of Blockchain-based Security and Privacy Systems for the Internet of Things: A Tutorial. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	31
394	. <i>IEEE Access</i> , 2021 , 9, 63740-63744	3.5	1
393	Predictive Boundary Tracking based on Motion Behavior Learning for Continuous Objects in Industrial Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
392	. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	7
391	Application of Histogram Equalization for Image Enhancement in Corrosion Areas. <i>Shock and Vibration</i> , 2021 , 2021, 1-13	1.1	2
390	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2354-2363	10.7	4
389	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 13095-13114	10.7	9
388	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1477-1499	7	19
387	Intelligent fault diagnosis of machinery using digital twin-assisted deep transfer learning. <i>Reliability Engineering and System Safety</i> , 2021 , 215, 107938	6.3	25
386	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. <i>Electronics (Switzerland)</i> , 2021 , 10, 81	2.6	22
385	Two-Hop Energy Consumption Balanced Routing Algorithm for Solar Insecticidal Lamp Internet of Things.. <i>Sensors</i> , 2021 , 22,	3.8	2
384	High Voltage Discharge Exhibits Severe Effect on ZigBee-Based Device in Solar Insecticidal Lamps Internet of Things. <i>IEEE Wireless Communications</i> , 2020 , 27, 140-145	13.4	10

383	An SDN Architecture for AUV-Based Underwater Wireless Networks to Enable Cooperative Underwater Search. <i>IEEE Wireless Communications</i> , 2020 , 27, 132-139	13.4	15
382	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 9292-9303	6.8	35
381	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 9031-9040	6.8	17
380	Intelligent Digital Twin-Based Software-Defined Vehicular Networks. <i>IEEE Network</i> , 2020 , 34, 178-184	11.4	45
379	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 2283-2314	37.1	216
378	Internet of Things for Noise Mapping in Smart Cities: State of the Art and Future Directions. <i>IEEE Network</i> , 2020 , 34, 112-118	11.4	18
377	Outlier Detection Approaches Based on Machine Learning in the Internet-of-Things. <i>IEEE Wireless Communications</i> , 2020 , 27, 53-59	13.4	10
376	A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 5481-5493	6.8	38
375	A Survey of Using Swarm Intelligence Algorithms in IoT. <i>Sensors</i> , 2020 , 20,	3.8	34
374	LDC: A lightweight data consensus algorithm based on the blockchain for the industrial Internet of Things for smart city applications. <i>Future Generation Computer Systems</i> , 2020 , 108, 574-582	7.5	16
373	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 2607-2620	5.2	40
372	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9623-9636	10.7	21
371	. <i>IEEE Network</i> , 2020 , 34, 121-127	11.4	6
370	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3412-3423	6.8	3
369	Securing parked vehicle assisted fog computing with blockchain and optimal smart contract design. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 426-441	7	58
368	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3217-3230	6.8	22
367	. <i>IEEE Access</i> , 2020 , 8, 15907-15922	3.5	10
366	Energy-Efficient Barrier Coverage With Probabilistic Sensors in Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2020 , 20, 5624-5633	4	17

365	. <i>IEEE Access</i> , 2020 , 8, 32031-32053	3.5	107
364	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7345-7356	10.7	18
363	A Robust Security Framework based on Blockchain and SDN for Fog Computing enabled Agricultural Internet of Things 2020 ,		3
362	A Partition-Based Node Deployment Strategy in Solar Insecticidal Lamps Internet of Things. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 11223-11237	10.7	14
361	A Review on Design and Implementation of Software-Defined WLANs. <i>IEEE Systems Journal</i> , 2020 , 14, 2601-2614	4.3	8
360	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3166-3178	6.8	32
359	A Path Planning Scheme for AUV Flock-Based Internet-of-Underwater-Things Systems to Enable Transparent and Smart Ocean. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9760-9772	10.7	24
358	. <i>IEEE Access</i> , 2020 , 8, 87529-87540	3.5	15
357	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8012-8024	10.7	18
356	Boundary Tracking of Continuous Objects Based on Binary Tree Structured SVM for Industrial Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	9
355	Demo Abstract: High Voltage Discharge Exhibits Severe Effect on ZigBee-based Device in Solar Insecticidal Lamps Internet of Things 2020 ,		7
354	. <i>IEEE Access</i> , 2020 , 8, 210035-210040	3.5	3
353	. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 1018-1029	3.3	23
352	. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 8, 137-147	4.1	12
351	STC: an intelligent trash can system based on both NB-IoT and edge computing for smart cities. <i>Enterprise Information Systems</i> , 2020 , 14, 1422-1438	3.5	4
350	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1993-2002	11.9	3
349	. <i>IEEE Systems Journal</i> , 2020 , 14, 477-488	4.3	0
348	. <i>IEEE Access</i> , 2020 , 8, 76300-76312	3.5	19

347	MCTE: Minimizes Task Completion Time and Execution Cost to Optimize Scheduling Performance for Smart Grid Cloud. <i>IEEE Access</i> , 2019 , 7, 134793-134803	3.5	9
346	Improvement of Detection and Localization Performance Using the Receiving Array Response Difference Between Ocean Noise and Signal in Shallow Water. <i>IEEE Access</i> , 2019 , 7, 98474-98485	3.5	
345	Sleep Scheduling for Unbalanced Energy Harvesting in Industrial Wireless Sensor Networks. <i>IEEE Communications Magazine</i> , 2019 , 57, 108-115	9.1	18
344	A New Bearing Fault Diagnosis Method Based on Fine-to-Coarse Multiscale Permutation Entropy, Laplacian Score and SVM. <i>IEEE Access</i> , 2019 , 7, 17050-17066	3.5	42
343	BLTM: Beta and LQI Based Trust Model for Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 43679-43690	3.5	25
342	IEEE Access Special Section Editorial: Wirelessly Powered Networks: Algorithms, Applications, and Technologies. <i>IEEE Access</i> , 2019 , 7, 18994-19001	3.5	2
341	When mobile crowd sensing meets smart agriculture 2019 ,		3
340	Optimal Design of Beacon Array for Long Baseline Positioning System Used in Manned Deep-Sea Submersibles. <i>IEEE Access</i> , 2019 , 7, 140411-140420	3.5	5
339	EdgeCare: Leveraging Edge Computing for Collaborative Data Management in Mobile Healthcare Systems. <i>IEEE Access</i> , 2019 , 7, 22011-22025	3.5	45
338	SMPKR: Search Engine for Internet of Things. <i>IEEE Access</i> , 2019 , 7, 163615-163625	3.5	3
337	Edge Permutation Entropy: An Improved Entropy Measure for Time-Series Analysis 2019 ,		4
336	When Sensor-Cloud Meets Mobile Edge Computing. <i>Sensors</i> , 2019 , 19,	3.8	11
335	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. <i>IEEE Systems Journal</i> , 2019 , 13, 3747-3758	4.3	41
334	. <i>IEEE Access</i> , 2019 , 7, 4045-4055	3.5	56
333	Optimal and Elastic Energy Trading for Green Microgrids: a two-Layer Game Approach. <i>Mobile Networks and Applications</i> , 2019 , 24, 950-961	2.9	7
332	. <i>IEEE Systems Journal</i> , 2018 , 12, 52-63	4.3	39
331	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1739-1748	10.7	30
330	Smart Factory of Industry 4.0: Key Technologies, Application Case, and Challenges. <i>IEEE Access</i> , 2018 , 6, 6505-6519	3.5	460

329	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. <i>Computer Networks</i> , 2018 , 134, 66-77	5.4	58
328	Trust-Based Communication for the Industrial Internet of Things 2018 , 56, 16-22		91
327	. <i>IEEE Access</i> , 2018 , 6, 11349-11364	3.5	68
326	A Short Survey on Fault Diagnosis in Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 21-26	0.2	3
325	Edge Computing-Based Intelligent Manhole Cover Management System for Smart Cities. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1648-1656	10.7	42
324	Horizontal Slicing Clustering Based Movement Detection Method for IoTs. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 279-287	0.2	
323	A systematic review of data protection and privacy preservation schemes for smart grid communications. <i>Sustainable Cities and Society</i> , 2018 , 38, 806-835	10.1	51
322	Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1826-1857	37.1	283
321	Guest Editorial Special Issue on Multimedia Services Provision Over Future Mobile Computing Systems. <i>IEEE Systems Journal</i> , 2018 , 12, 12-15	4.3	1
320	. <i>IEEE Systems Journal</i> , 2018 , 12, 1518-1530	4.3	29
319	Cache-Aware Query Optimization in Multiapplication Sharing Wireless Sensor Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 401-417	7.3	11
318	BRTCO: A Novel Boundary Recognition and Tracking Algorithm for Continuous Objects in Wireless Sensor Networks. <i>IEEE Systems Journal</i> , 2018 , 12, 2056-2065	4.3	31
317	. <i>IEEE Systems Journal</i> , 2018 , 12, 2509-2523	4.3	27
316	Beacon Synchronization and Duty-Cycling in IEEE 802.15.4 Cluster-Tree Networks: A Review. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1765-1788	10.7	20
315	A Short Review on Sleep Scheduling Mechanism in Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 66-70	0.2	8
314	Distributed Beacon Synchronization Mechanism for 802.15.4 Cluster-Tree Topology. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 10-20	0.2	0
313	Using Wireless Vibration Sensors to Study the Impact of Fouling on Fluid-Conveying Pipelines. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 288-292	0.2	
312	Impact of Irregular Radio and Faulty Nodes on Localization in Industrial WSNs. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 36-48	0.2	1

311	An Optimized Implementation of Speech Recognition Combining GPU with Deep Belief Network for IoT. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 251-260	0.2	
310	A Short Survey on Fault Diagnosis of Rotating Machinery Using Entropy Techniques. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 279-284	0.2	1
309	Low Cost Sensor to Measure Solid Concentrations in Wastewater 2018 ,		3
308	Parked Vehicle Edge Computing: Exploiting Opportunistic Resources for Distributed Mobile Applications. <i>IEEE Access</i> , 2018 , 6, 66649-66663	3.5	36
307	Multi-Target Intense Human Motion Analysis and Detection Using Channel State Information. <i>Sensors</i> , 2018 , 18,	3.8	7
306	Fine-to-Coarse Multiscale Permutation Entropy for Rolling Bearing Fault Diagnosis 2018 ,		3
305	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4481-4486	11.9	4
304	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. <i>IEEE Network</i> , 2018 , 32, 100-105	11.4	118
303	Rice blast recognition based on principal component analysis and neural network. <i>Computers and Electronics in Agriculture</i> , 2018 , 154, 482-490	6.5	27
302	A Short Review of Constructing Noise Map Using Crowdsensing Technology. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 37-43	0.2	1
301	. <i>IEEE Access</i> , 2018 , 6, 62371-62383	3.5	12
300	Hyperspectral Image Classification With Stacking Spectral Patches and Convolutional Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 5975-5984	8.1	17
299	Two Novel DOA Estimation Approaches for Real-Time Assistant Calibration Systems in Future Vehicle Industrial. <i>IEEE Systems Journal</i> , 2017 , 11, 1361-1372	4.3	48
298	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 135-143	11.9	149
297	A Trust Model Based on Cloud Theory in Underwater Acoustic Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 342-350	11.9	56
296	. <i>IEEE Systems Journal</i> , 2017 , 11, 1340-1350	4.3	15
295	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. <i>Mobile Networks and Applications</i> , 2017 , 22, 4-18	2.9	15
294	. <i>IEEE Systems Journal</i> , 2017 , 11, 941-950	4.3	44

293	Spatial Keyword Query Processing in the Internet of Vehicles. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 1-13	0.2	1
292	. <i>IEEE Access</i> , 2017 , 5, 15300-15307	3.5	41
291	A Mechanism Filling Sensing Holes for Detecting the Boundary of Continuous Objects in Hybrid Sparse Wireless Sensor Networks. <i>IEEE Access</i> , 2017 , 5, 7922-7935	3.5	12
290	Understanding the impact of planarized proximity graphs on toxic gas boundary area detection 2017 ,		3
289	Energy-Efficient Event Determination in Underwater WSNs Leveraging Practical Data Prediction. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1238-1248	11.9	20
288	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. <i>Mobile Networks and Applications</i> , 2017 , 22, 998-1009	2.9	20
287	Sleep scheduling in wireless powered industrial wireless sensor networks 2017 ,		6
286	Prolonging global connectivity in group-based industrial wireless sensor networks 2017 ,		2
285	. <i>IEEE Wireless Communications</i> , 2017 , 24, 106-112	13.4	46
284	Incipient Fault Diagnosis of Roller Bearing Using Optimized Wavelet Transform Based Multi-Speed Vibration Signatures. <i>IEEE Access</i> , 2017 , 5, 19442-19456	3.5	114
283	. <i>IEEE Access</i> , 2017 , 5, 22067-22080	3.5	32
282	Internet of Things for Disaster Management: State-of-the-Art and Prospects. <i>IEEE Access</i> , 2017 , 5, 188183-188351	13.4	114
281	Authentication Protocols for Internet of Things: A Comprehensive Survey. <i>Security and Communication Networks</i> , 2017 , 2017, 1-41	1.9	137
280	Design of a low control-flow overhead-based software-defined wireless sensor network with link failure 2017 ,		3
279	A Cross-Layer Protocol with High Reliability and Low Delay for Underwater Acoustic Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 377-386	0.2	2
278	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management 2017 , 55, 135-141		28
277	Path-Loss-Based Fingerprint Localization Approach for Location-Based Services in Indoor Environments. <i>IEEE Access</i> , 2017 , 5, 13756-13769	3.5	29
276	Adaptive Duty Cycling in IEEE 802.15.4 Cluster Tree Networks Using MAC Parameters 2017 ,		5

275	2017, 55, 24-30		68
274	MCRA: A Multi-Charger Cooperation Recharging Algorithm Based on Area Division for WSNs. <i>IEEE Access</i> , 2017, 5, 15380-15389	3.5	8
273	. <i>IEEE Access</i> , 2017, 5, 11236-11243	3.5	4
272	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks 2017,		3
271	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks 2017,		3
270	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. <i>Information Sciences</i> , 2017, 379, 82-93	7.7	18
269	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. <i>IEEE Access</i> , 2017, 5, 379-392	3.5	19
268	Poster abstract: Traffic flow prediction with big data: A deep learning based time series model 2017,		20
267	Self-adaptive fault diagnosis of roller bearings using infrared thermal images 2017,		11
266	Security and Privacy in Fog Computing: Challenges. <i>IEEE Access</i> , 2017, 5, 19293-19304	3.5	302
265	A MapReduce-Based Ensemble Learning Method with Multiple Classifier Types and Diversity for Condition-Based Maintenance with Concept Drifts. <i>IEEE Cloud Computing</i> , 2017, 4, 38-48		4
264	Lightweight flow management for software-defined wireless sensor networks with link fault in data plane 2017,		2
263	A fog computing-based framework to reduce traffic overhead in large-scale industrial applications 2017,		7
262	IEEE Access Special Section Editorial: Emergent Topics for Mobile and Ubiquitous Systems in Smartphone, IOT, and Cloud Computing ERA. <i>IEEE Access</i> , 2017, 5, 27827-27830	3.5	1
261	High energy proton and heavy ion induced single event transient in 65-nm CMOS technology. <i>Science China Information Sciences</i> , 2017, 60, 1	3.4	1
260	A MapReduce-Based Ensemble Learning Method with Multiple Classifier Types and Diversity for Condition-based Maintenance with Concept Drifts. <i>IEEE Cloud Computing</i> , 2017, 1-1		
259	A comparative study of WPD and EMD for shaft fault diagnosis 2017,		1
258	Impact of synchronization scheme on duty cycling in IEEE 802.15.4 cluster tree networks 2017,		1

257	Dynamic adaptation of duty cycling with MAC parameters in cluster tree IEEE 802.15.4 networks 2017,		2
256	Extended Crossover Model for Human-Control of Fractional Order Plants. <i>IEEE Access</i> , 2017 , 5, 27622-27635	3.5	20
255	Impacts of Radio Irregularity on Duty-Cycled Industrial Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 29-38	0.2	2
254	Geographic multipath routing based on geospatial division in duty-cycled underwater wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2016 , 59, 4-13	7.9	56
253	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. <i>IEEE Systems Journal</i> , 2016 , 10, 1125-1136	4.3	74
252	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. <i>Computer Networks</i> , 2016 , 109, 4-12	5.4	16
251	Optimal Design of Compact Receive Array in Industrial Wireless Sensor Networks 2016,		1
250	CLI: A Light-Weight Mechanism for ZigBee Performance Assurance under WiFi Interference 2016,		6
249	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. <i>IEEE Access</i> , 2016 , 4, 3349-3359	3.5	60
248	Toxic gas boundary area detection in large-scale petrochemical plants with industrial wireless sensor networks 2016 , 54, 22-28		36
247	Real-time big data analytics for multimedia transmission and storage 2016,		3
246	On lifetime enhancement of dynamic wireless sensor networks with energy-harvesting sensors 2016,		4
245	. <i>IEEE Wireless Communications</i> , 2016 , 23, 30-36	13.4	71
244	Real-Time Load Reduction in Multimedia Big Data for Mobile Internet. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2016 , 12, 1-20	3.4	32
243	Impact of Fouling on Flow-Induced Vibration Characteristics in Fluid-Conveying Pipelines. <i>IEEE Access</i> , 2016 , 4, 6631-6644	3.5	3
242	Guest Editorial Special Issue on Advances in Underwater Acoustic Sensor Networks. <i>IEEE Sensors Journal</i> , 2016 , 16, 3994-3994	4	3
241	Poster Abstract: DeGas - Toxic Gas Boundary Area Detection in Industrial Wireless Sensor Networks 2016,		6
240	An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. <i>IEEE Access</i> , 2016 , 4, 1800-1809	3.5	19

239	MANCL: a multi-anchor nodes collaborative localization algorithm for underwater acoustic sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 682-702	1.9	12
238	. <i>IEEE Sensors Journal</i> , 2016 , 16, 4072-4082	4	96
237	An energy-efficient SDN based sleep scheduling algorithm for WSNs. <i>Journal of Network and Computer Applications</i> , 2016 , 59, 39-45	7.9	89
236	PD Source Diagnosis and Localization in Industrial High-Voltage Insulation System via Multimodal Joint Sparse Representation. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 1-1	8.9	45
235	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 28-40	11.9	70
234	Abnormal event detection in crowded scenes based on deep learning. <i>Multimedia Tools and Applications</i> , 2016 , 75, 14617-14639	2.5	64
233	Mobile big data fault-tolerant processing for ehealth networks. <i>IEEE Network</i> , 2016 , 30, 36-42	11.4	103
232	. <i>IEEE Systems Journal</i> , 2016 , 10, 1402-1411	4.3	21
231	BP neural network based continuous objects distribution detection in WSNs. <i>Wireless Networks</i> , 2016 , 22, 1917-1929	2.5	14
230	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. <i>Sensors</i> , 2016 , 16, 229	3.8	33
229	Wearable Sensor Localization Considering Mixed Distributed Sources in Health Monitoring Systems. <i>Sensors</i> , 2016 , 16,	3.8	11
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