

# Lei Shu

## List of Publications by Citations

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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 <sup>18</sup>	Smart Factory of Industry 4.0: Key Technologies, Application Case, and Challenges. <i>IEEE Access</i> , <b>2018</b> , 6, 6505-6519	3.5	460
4 <sup>17</sup>	A survey on coverage and connectivity issues in wireless sensor networks. <i>Journal of Network and Computer Applications</i> , <b>2012</b> , 35, 619-632	7.9	349
4 <sup>16</sup>	Security and Privacy in Fog Computing: Challenges. <i>IEEE Access</i> , <b>2017</b> , 5, 19293-19304	3.5	302
4 <sup>15</sup>	Green Internet of Things for Smart World. <i>IEEE Access</i> , <b>2015</b> , 3, 2151-2162	3.5	301
4 <sup>14</sup>	Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. <i>IEEE Communications Surveys and Tutorials</i> , <b>2018</b> , 20, 1826-1857	37.1	283
4 <sup>13</sup>	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 2283-2314	37.1	216
4 <sup>12</sup>	. <i>IEEE Access</i> , <b>2015</b> , 3, 2687-2699	3.5	187
4 <sup>11</sup>	Management and applications of trust in Wireless Sensor Networks: A survey. <i>Journal of Computer and System Sciences</i> , <b>2014</b> , 80, 602-617	1	169
4 <sup>10</sup>	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 1228-1237	3.7	159
4 <sup>09</sup>	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 135-143	11.9	149
4 <sup>08</sup>	Authentication Protocols for Internet of Things: A Comprehensive Survey. <i>Security and Communication Networks</i> , <b>2017</b> , 2017, 1-41	1.9	137
4 <sup>07</sup>	. <i>IEEE Communications Magazine</i> , <b>2014</b> , 52, 62-69	9.1	132
4 <sup>06</sup>	Localization algorithms of Underwater Wireless Sensor Networks: a survey. <i>Sensors</i> , <b>2012</b> , 12, 2026-61	3.8	127
4 <sup>05</sup>	A Tree-Cluster-Based Data-Gathering Algorithm for Industrial WSNs With a Mobile Sink. <i>IEEE Access</i> , <b>2015</b> , 3, 381-396	3.5	122
4 <sup>04</sup>	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. <i>IEEE Network</i> , <b>2018</b> , 32, 100-105	11.4	118
4 <sup>03</sup>	TPGF: geographic routing in wireless multimedia sensor networks. <i>Telecommunication Systems</i> , <b>2010</b> , 44, 79-95	2.3	116
4 <sup>02</sup>	Incipient Fault Diagnosis of Roller Bearing Using Optimized Wavelet Transform Based Multi-Speed Vibration Signatures. <i>IEEE Access</i> , <b>2017</b> , 5, 19442-19456	3.5	114

401	Internet of Things for Disaster Management: State-of-the-Art and Prospects. <i>IEEE Access</i> , <b>2017</b> , 5, 18818-18835	11.4	3.5
400	. <i>IEEE Access</i> , <b>2020</b> , 8, 32031-32053	107	3.5
399	Impacts of Deployment Strategies on Localization Performance in Underwater Acoustic Sensor Networks. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 1725-1733	106	8.9
398	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 1607-1616	104	11.9
397	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 4322-4334	104	11.9
396	Mobile big data fault-tolerant processing for ehealth networks. <i>IEEE Network</i> , <b>2016</b> , 30, 36-42	103	11.4
395	. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 4072-4082	96	4
394	Cross-layer optimized routing in wireless sensor networks with duty cycle and energy harvesting. <i>Wireless Communications and Mobile Computing</i> , <b>2015</b> , 15, 1957-1981	93	1.9
393	Context-Aware Middleware for Multimedia Services in Heterogeneous Networks. <i>IEEE Intelligent Systems</i> , <b>2010</b> , 25, 40-47	92	4.2
392	Trust-Based Communication for the Industrial Internet of Things <b>2018</b> , 56, 16-22	91	
391	An energy-efficient SDN based sleep scheduling algorithm for WSNs. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 59, 39-45	89	7.9
390	A survey on communication and data management issues in mobile sensor networks. <i>Wireless Communications and Mobile Computing</i> , <b>2014</b> , 14, 19-36	89	1.9
389	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 718-752	89	7
388	Secure communication for underwater acoustic sensor networks <b>2015</b> , 53, 54-60	87	
387	. <i>IEEE Transactions on Mobile Computing</i> , <b>2015</b> , 14, 2447-2459	86	4.6
386	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 1125-1136	74	4.3
385	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 784-794	72	11.9
384	. <i>IEEE Wireless Communications</i> , <b>2016</b> , 23, 30-36	71	13.4

383	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 28-40	11.9	70
382	. <i>IEEE Access</i> , <b>2018</b> , 6, 11349-11364	3.5	68
381	<b>2017</b> , 55, 24-30		68
380	Path planning using a mobile anchor node based on trilateration in wireless sensor networks. <i>Wireless Communications and Mobile Computing</i> , <b>2013</b> , 13, 1324-1336	1.9	67
379	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. <i>IEEE Transactions on Computers</i> , <b>2015</b> , 64, 1844-1856	2.5	65
378	ZIL: An Energy-Efficient Indoor Localization System Using ZigBee Radio to Detect WiFi Fingerprints. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2015</b> , 33, 1431-1442	14.2	64
377	Abnormal event detection in crowded scenes based on deep learning. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 14617-14639	2.5	64
376	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. <i>IEEE Access</i> , <b>2015</b> , 3, 1729-1739	3.5	63
375	An Efficient Virtual Machine Consolidation Scheme for Multimedia Cloud Computing. <i>Sensors</i> , <b>2016</b> , 16, 246	3.8	62
374	A Survey on Smart Agriculture: Development Modes, Technologies, and Security and Privacy Challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 273-302	7	61
373	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. <i>IEEE Access</i> , <b>2016</b> , 4, 3349-3359	3.5	60
372	Securing parked vehicle assisted fog computing with blockchain and optimal smart contract design. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2020</b> , 7, 426-441	7	58
371	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. <i>Computer Networks</i> , <b>2018</b> , 134, 66-77	5.4	58
370	LDPA: a local data processing architecture in ambient assisted living communications <b>2015</b> , 53, 56-63		57
369	Geographic multipath routing based on geospatial division in duty-cycled underwater wireless sensor networks. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 59, 4-13	7.9	56
368	A Trust Model Based on Cloud Theory in Underwater Acoustic Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 342-350	11.9	56
367	. <i>IEEE Access</i> , <b>2019</b> , 7, 4045-4055	3.5	56
366	The Application of DOA Estimation Approach in Patient Tracking Systems with High Patient Density. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 2353-2364	11.9	54

365	A systematic review of data protection and privacy preservation schemes for smart grid communications. <i>Sustainable Cities and Society</i> , <b>2018</b> , 38, 806-835	10.1	51
364	Congestion avoidance, detection and alleviation in wireless sensor networks. <i>Journal of Zhejiang University: Science C</i> , <b>2010</b> , 11, 63-73		50
363	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6346-6355	8.9	49
362	Two Novel DOA Estimation Approaches for Real-Time Assistant Calibration Systems in Future Vehicle Industrial. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1361-1372	4.3	48
361	. <i>IEEE Wireless Communications</i> , <b>2017</b> , 24, 106-112	13.4	46
360	Intelligent Digital Twin-Based Software-Defined Vehicular Networks. <i>IEEE Network</i> , <b>2020</b> , 34, 178-184	11.4	45
359	PD Source Diagnosis and Localization in Industrial High-Voltage Insulation System via Multimodal Joint Sparse Representation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 1-1	8.9	45
358	EdgeCare: Leveraging Edge Computing for Collaborative Data Management in Mobile Healthcare Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 22011-22025	3.5	45
357	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 941-950	4.3	44
356	Context-aware cross-layer optimized video streaming in wireless multimedia sensor networks. <i>Journal of Supercomputing</i> , <b>2010</b> , 54, 94-121	2.5	44
355	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2015</b> , 3, 84-94	4.1	43
354	A Survey on Deployment Algorithms in Underwater Acoustic Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2013</b> , 9, 314049	1.7	43
353	NetTopo: A framework of simulation and visualization for wireless sensor networks. <i>Ad Hoc Networks</i> , <b>2011</b> , 9, 799-820	4.8	43
352	A New Bearing Fault Diagnosis Method Based on Fine-to-Coarse Multiscale Permutation Entropy, Laplacian Score and SVM. <i>IEEE Access</i> , <b>2019</b> , 7, 17050-17066	3.5	42
351	Edge Computing-Based Intelligent Manhole Cover Management System for Smart Cities. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 1648-1656	10.7	42
350	. <i>IEEE Access</i> , <b>2017</b> , 5, 15300-15307	3.5	41
349	The impacts of mobility models on DV-hop based localization in Mobile Wireless Sensor Networks. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 42, 70-79	7.9	41
348	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3747-3758	4.3	41

347	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 2607-2620	5.2	40
346	Energy-efficient cooperative communication for data transmission in wireless sensor networks. <i>IEEE Transactions on Consumer Electronics</i> , <b>2010</b> , 56, 2185-2192	4.8	40
345	Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. <i>Sensors</i> , <b>2016</b> , 16, 215	3.8	40
344	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 52-63	4.3	39
343	A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 5481-5493	6.8	38
342	Policy and network-based intrusion detection system for IPv6-enabled wireless sensor networks <b>2014</b> ,		38
341	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 1317-1328	8.9	36
340	Toxic gas boundary area detection in large-scale petrochemical plants with industrial wireless sensor networks <b>2016</b> , 54, 22-28		36
339	Parked Vehicle Edge Computing: Exploiting Opportunistic Resources for Distributed Mobile Applications. <i>IEEE Access</i> , <b>2018</b> , 6, 66649-66663	3.5	36
338	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 9292-9303	6.8	35
337	A Survey of Using Swarm Intelligence Algorithms in IoT. <i>Sensors</i> , <b>2020</b> , 20,	3.8	34
336	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing <b>2013</b> ,		34
335	A Survey on Gas Leakage Source Detection and Boundary Tracking with Wireless Sensor Networks. <i>IEEE Access</i> , <b>2016</b> , 4, 1700-1715	3.5	34
334	Reduced out-of-band radiation-based filter optimization for UFMC systems in 5G <b>2015</b> ,		33
333	IDSEP: a novel intrusion detection scheme based on energy prediction in cluster-based wireless sensor networks. <i>IET Information Security</i> , <b>2013</b> , 7, 97-105	1.4	33
332	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. <i>Sensors</i> , <b>2016</b> , 16, 229	3.8	33
331	. <i>IEEE Access</i> , <b>2017</b> , 5, 22067-22080	3.5	32
330	Real-Time Load Reduction in Multimedia Big Data for Mobile Internet. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2016</b> , 12, 1-20	3.4	32

329	A Distance-based Energy Aware Routing algorithm for wireless sensor networks. <i>Sensors</i> , <b>2010</b> , 10, 9493-9511	3.1	32
328	Outlier detection and countermeasure for hierarchical wireless sensor networks. <i>IET Information Security</i> , <b>2010</b> , 4, 361	1.4	32
327	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3166-3178	6.8	32
326	BRTCO: A Novel Boundary Recognition and Tracking Algorithm for Continuous Objects in Wireless Sensor Networks. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2056-2065	4.3	31
325	The insights of message delivery delay in VANETs with a bidirectional traffic model. <i>Journal of Network and Computer Applications</i> , <b>2013</b> , 36, 1287-1294	7.9	31
324	The Performance Evaluation of Blockchain-based Security and Privacy Systems for the Internet of Things: A Tutorial. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	31
323	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 1739-1748	10.7	30
322	Multi-priority Multi-path Selection for Video Streaming in Wireless Multimedia Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 439-452	0.9	30
321	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1518-1530	4.3	29
320	Path-Loss-Based Fingerprint Localization Approach for Location-Based Services in Indoor Environments. <i>IEEE Access</i> , <b>2017</b> , 5, 13756-13769	3.5	29
319	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management <b>2017</b> , 55, 135-141		28
318	A mobile anchor assisted localization algorithm based on regular hexagon in wireless sensor networks. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 219371	2.2	28
317	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2509-2523	4.3	27
316	Rice blast recognition based on principal component analysis and neural network. <i>Computers and Electronics in Agriculture</i> , <b>2018</b> , 154, 482-490	6.5	27
315	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1257	2.6	26
314	BLTM: Beta and LQI Based Trust Model for Wireless Sensor Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 43679-43690	3.5	25
313	A balanced energy consumption sleep scheduling algorithm in wireless sensor networks <b>2011</b> ,		25
312	LMAT: Localization with a Mobile Anchor Node Based on Trilateration in Wireless Sensor Networks <b>2011</b> ,		25

311	. <i>IEEE Access</i> , <b>2016</b> , 4, 5374-5384	3.5	25
310	Intelligent fault diagnosis of machinery using digital twin-assisted deep transfer learning. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 215, 107938	6.3	25
309	An energy-efficient clustered distributed coding for large-scale wireless sensor networks. <i>Journal of Supercomputing</i> , <b>2013</b> , 66, 649-669	2.5	24
308	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> , <b>2020</b> , 7, 9760-9772	10.7	24
307	. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 8, 1018-1029	3.3	23
306	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3217-3230	6.8	22
305	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 81	2.6	22
304	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 9623-9636	10.7	21
303	. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 1402-1411	4.3	21
302	Transmitting streaming data in wireless multimedia sensor networks with holes <b>2007</b> ,		21
301	Energy-Efficient Event Determination in Underwater WSNs Leveraging Practical Data Prediction. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1238-1248	11.9	20
300	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. <i>Mobile Networks and Applications</i> , <b>2017</b> , 22, 998-1009	2.9	20
299	Efficient medium access control for cyberphysical systems with heterogeneous networks. <i>IEEE Systems Journal</i> , <b>2015</b> , 9, 22-30	4.3	20
298	Beacon Synchronization and Duty-Cycling in IEEE 802.15.4 Cluster-Tree Networks: A Review. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 1765-1788	10.7	20
297	Poster abstract: Traffic flow prediction with big data: A deep learning based time series model <b>2017</b> ,		20
296	Extended Crossover Model for Human-Control of Fractional Order Plants. <i>IEEE Access</i> , <b>2017</b> , 5, 27622-27635	3.5	20
295	NetTopo. <i>ACM SIGBED Review</i> , <b>2008</b> , 5, 1-8	1.3	20
294	Geographic Routing in Wireless Multimedia Sensor Networks <b>2008</b> ,		20



293	TGM-COT: energy-efficient continuous object tracking scheme with two-layer grid model in wireless sensor networks. <i>Personal and Ubiquitous Computing</i> , <b>2016</b> , 20, 349-359	2.1	20
292	An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. <i>IEEE Access</i> , <b>2016</b> , 4, 1800-1809	3.5	19
291	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. <i>IEEE Access</i> , <b>2017</b> , 5, 379-392	3.5	19
290	. <i>IEEE Access</i> , <b>2020</b> , 8, 76300-76312	3.5	19
289	. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 1477-1499	7	19
288	Sleep Scheduling for Unbalanced Energy Harvesting in Industrial Wireless Sensor Networks. <i>IEEE Communications Magazine</i> , <b>2019</b> , 57, 108-115	9.1	18
287	Energy harvesting communications: Part 1 [Guest Editorial] <b>2015</b> , 53, 68-69		18
286	Trust assistance in Sensor-Cloud <b>2015</b> ,		18
285	Internet of Things for Noise Mapping in Smart Cities: State of the Art and Future Directions. <i>IEEE Network</i> , <b>2020</b> , 34, 112-118	11.4	18
284	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 7345-7356	10.7	18
283	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. <i>Information Sciences</i> , <b>2017</b> , 379, 82-93	7.7	18
282	A Genetic Algorithm Approach to Multi-Agent Itinerary Planning in Wireless Sensor Networks. <i>Mobile Networks and Applications</i> , <b>2011</b> , 16, 782-793	2.9	18
281	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 8012-8024	10.7	18
280	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 9031-9040	6.8	17
279	Energy-Efficient Barrier Coverage With Probabilistic Sensors in Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5624-5633	4	17
278	A cross-layer duty cycle MAC protocol supporting a pipeline feature for wireless sensor networks. <i>Sensors</i> , <b>2011</b> , 11, 5183-201	3.8	17
277	Hyperspectral Image Classification With Stacking Spectral Patches and Convolutional Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 5975-5984	8.1	17
276	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> , <b>2020</b> , 108, 574-582	7.5	16

275	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. <i>Computer Networks</i> , <b>2016</b> , 109, 4-12	5.4	16
274	Transmitting and Gathering Streaming Data in Wireless Multimedia Sensor Networks Within Expected Network Lifetime. <i>Mobile Networks and Applications</i> , <b>2008</b> , 13, 306	2.9	16
273	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1340-1350	4.3	15
272	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. <i>Mobile Networks and Applications</i> , <b>2017</b> , 22, 4-18	2.9	15
271	Energy-aware rate and description allocation optimized video streaming for mobile D2D communications <b>2015</b> ,		15
270	An SDN Architecture for AUV-Based Underwater Wireless Networks to Enable Cooperative Underwater Search. <i>IEEE Wireless Communications</i> , <b>2020</b> , 27, 132-139	13.4	15
269	Contention-based geographic forwarding in asynchronous duty-cycled wireless sensor networks. <i>International Journal of Communication Systems</i> , <b>2012</b> , 25, 1585-1602	1.7	15
268	A Two-Step Secure Localization for Wireless Sensor Networks. <i>Computer Journal</i> , <b>2013</b> , 56, 1154-1166	1.3	15
267	Joint Replication Density and Rate Allocation Optimization for VoD Systems Over Wireless Mesh Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1260-1273	6.4	15
266	A New Hybrid Network Traffic Prediction Method <b>2010</b> ,		15
265	P-MAC: A Cross-Layer Duty Cycle MAC Protocol Towards Pipelining for Wireless Sensor Networks <b>2011</b> ,		15
264	NetTopo: Beyond Simulator and Visualizer for Wireless Sensor Networks <b>2008</b> ,		15
263	. <i>IEEE Access</i> , <b>2020</b> , 8, 87529-87540	3.5	15
262	BP neural network based continuous objects distribution detection in WSNs. <i>Wireless Networks</i> , <b>2016</b> , 22, 1917-1929	2.5	14
261	Energy harvesting communications: Part 2 [Guest Editorial] <b>2015</b> , 53, 54-55		14
260	GA-MIP: Genetic algorithm based multiple Mobile Agents itinerary planning in wireless sensor networks <b>2010</b> ,		14
259	A Partition-Based Node Deployment Strategy in Solar Insecticidal Lamps Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 11223-11237	10.7	14
258	. <i>IEEE Access</i> , <b>2016</b> , 4, 9043-9052	3.5	14

257	Intrusion Detection Algorithm Based on Neighbor Information Against Sinkhole Attack in Wireless Sensor Networks. <i>Computer Journal</i> , <b>2015</b> , 58, 1280-1292	1.3	13
256	A Mechanism Filling Sensing Holes for Detecting the Boundary of Continuous Objects in Hybrid Sparse Wireless Sensor Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 7922-7935	3.5	12
255	MANCL: a multi-anchor nodes collaborative localization algorithm for underwater acoustic sensor networks. <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 682-702	1.9	12
254	A Novel Two-Tier Cooperative Caching Mechanism for the Optimization of Multi-Attribute Periodic Queries in Wireless Sensor Networks. <i>Sensors</i> , <b>2015</b> , 15, 15033-66	3.8	12
253	A Survey on Energy Harvesting and Integrated Data Sharing in Wireless Body Area Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 2015, 1-17	1.7	12
252	. <i>IEEE Access</i> , <b>2021</b> , 9, 138509-138542	3.5	12
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178	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks <b>2012</b> ,		6
177	Vibration Sensor Based Intelligent Fault Diagnosis System for Large Machine Unit in Petrochemical Industries. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 239405	1.7	6
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144	Cross-Layer Optimized Data Gathering in Wireless Multimedia Sensor Networks <b>2009,</b>		4
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117	UPMAC: A localized load-adaptive MAC protocol for underwater acoustic networks <b>2014</b> ,		3
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107	A Remote Monitoring System of IDC Room Based on ZigBee Wireless Sensor Networks <b>2009</b> ,		3
106	An embedded VDTN testbed for the evaluation of vehicular safety systems <b>2011</b> ,		3
105	A mobile core-body temperature monitoring system on Android <b>2010</b> ,		3
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