Weijia Jia

List of Publications by Citations

185 papers	**3,880** citations	**36** h-index	**56** g-index
248 ext. papers	**4,691** ext. citations	**3.5** avg, IF	**5.93** L-index

#	Paper	IF	Citations
185	Rendezvous design algorithms for wireless sensor networks with a mobile base station **2008**,		170
184	Discriminating DDoS Attacks from Flash Crowds Using Flow Correlation Coefficient. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 1073-1080	3.7	125
183	A Sword with Two Edges: Propagation Studies on Both Positive and Negative Information in Online Social Networks. *IEEE Transactions on Computers*, **2015**, 64, 640-653	2.5	119
182	Rendezvous Planning in Wireless Sensor Networks with Mobile Elements. *IEEE Transactions on Mobile Computing*, **2008**, 7, 1430-1443	4.6	117
181	Influence analysis in social networks: A survey. *Journal of Network and Computer Applications*, **2018**, 106, 17-32	7.9	110
180	. *IEEE Transactions on Parallel and Distributed Systems*, **2011**, 22, 412-425	3.7	108
179	. *IEEE/ACM Transactions on Networking*, **2010**, 18, 934-947	3.8	102
178	MTES: An Intelligent Trust Evaluation Scheme in Sensor-Cloud-Enabled Industrial Internet of Things. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2054-2062	11.9	99
177	Fog-Based Computing and Storage Offloading for Data Synchronization in IoT. *IEEE Internet of Things Journal*, **2019**, 6, 4272-4282	10.7	89
176	. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 1561-1571	6.8	87
175	Complete optimal deployment patterns for full-coverage and k-connectivity (k6) wireless sensor networks **2008**,		82
174	COCA: Constructing optimal clustering architecture to maximize sensor network lifetime. *Computer Communications*, **2013**, 36, 256-268	5.1	78
173	Efficient Rendezvous Algorithms for Mobility-Enabled Wireless Sensor Networks. *IEEE Transactions on Mobile Computing*, **2012**, 11, 47-60	4.6	73
172	Modeling Propagation Dynamics of Social Network Worms. *IEEE Transactions on Parallel and Distributed Systems*, **2013**, 24, 1633-1643	3.7	72
171	Adaptive location updates for mobile sinks in wireless sensor networks. *Journal of Supercomputing*, **2009**, 47, 127-145	2.5	71
170	. *IEEE Transactions on Services Computing*, **2019**, 12, 712-725	4.8	71
169	To Shut Them Up or to Clarify: Restraining the Spread of Rumors in Online Social Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 3306-3316	3.7	67

168	Detection and defense of application-layer DDoS attacks in backbone web traffic. *Future Generation Computer Systems*, **2014**, 38, 36-46	7.5	65
167	A novel trust mechanism based on Fog Computing in Sensor␣Cloud System. *Future Generation Computer Systems*, **2020**, 109, 573-582	7.5	62
166	. *IEEE Journal on Selected Areas in Communications*, **2010**, 28, 984-993	14.2	60
165	Performance evaluation of scheduling in IEEE 802.16 based wireless mesh networks. *Computer Communications*, **2007**, 30, 782-792	5.1	58
164	Coupling resource management based on fog computing in smart city systems. *Journal of Network and Computer Applications*, **2019**, 135, 11-19	7.9	58
163	. *IEEE Transactions on Mobile Computing*, **2010**, 9, 435-448	4.6	57
162	Edge-based differential privacy computing for sensor␣cloud systems. *Journal of Parallel and Distributed Computing*, **2020**, 136, 75-85	4.4	57
161	A new cell counter based attack against tor **2009**,		55
160	Stealthy video capturer **2009**,		53
159	Research challenges towards the Future Internet. *Computer Communications*, **2011**, 34, 2115-2134	5.1	51
158	Multiple Region of Interest Coverage in Camera Sensor Networks for Tele-Intensive Care Units. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 2331-2341	11.9	49
157	Heterogeneous vehicular communications: A comprehensive study. *Ad Hoc Networks*, **2018**, 75-76, 52-79	4.8	48
156	Detection of hidden data attacks combined fog computing and trust evaluation method in sensor-cloud system. *Concurrency Computation Practice and Experience*, **2021**, 33, 1-1	1.4	48
155	Modeling and Analysis on the Propagation Dynamics of Modern Email Malware. *IEEE Transactions on Dependable and Secure Computing*, **2014**, 11, 361-374	3.9	43
154	Rendezvous Planning in Mobility-Assisted Wireless Sensor Networks **2007**,		43
153	. *IEEE/ACM Transactions on Networking*, **2012**, 20, 1245-1261	3.8	40
152	On the queueing behavior of inter-flow asynchronous network coding. *Computer Communications*, **2012**, 35, 1535-1548	5.1	40
151	Low-connectivity and full-coverage three dimensional wireless sensor networks **2009**,		37

150	FuzzyTrust: Efficient trust computation for large-scale mobile social networks using a fuzzy implicit social graph. *Information Sciences*, **2015**, 318, 123-143	7.7	36
149	Joint Topology Control and Routing in IEEE 802.11-Based Multiradio Multichannel Mesh Networks. *IEEE Transactions on Vehicular Technology*, **2007**, 56, 3123-3136	6.8	36
148	Hole Avoiding in Advance Routing in Wireless Sensor Networks **2007**,		36
147	Exploiting Statistical Mobility Models for Efficient Wi-Fi Deployment. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 360-373	6.8	35
146	Centralized Scheduling and Channel Assignment in Multi-Channel Single-Transceiver WiMax Mesh Network **2007**,		34
145	Connected coverage in wireless networks with directional antennas **2011**,		32
144	Efficient and secure attribute-based signature for monotone predicates. *Acta Informatica*, **2017**, 54, 521-541	5.9	30
143	A routing protocol for anycast messages. *IEEE Transactions on Parallel and Distributed Systems*, **2000**, 11, 571-588	3.7	30
142	Quick Convex Hull-Based Rendezvous Planning for Delay-Harsh Mobile Data Gathering in Disjoint Sensor Networks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3844-3854	7.3	30
141	. *IEEE Transactions on Vehicular Technology*, **2011**, 60, 2239-2252	6.8	28
140	Saliency-driven scaling optimization for image retargeting. *Visual Computer*, **2011**, 27, 853-860	2.3	27
139	Cluster-group based trusted computing for mobile social networks using implicit social behavioral graph. *Future Generation Computer Systems*, **2016**, 55, 391-400	7.5	25
138	Improvement on vertex cover for low-degree graphs. *Networks*, **2000**, 35, 253-259	1.6	23
137	Performance Evaluation of Scheduling in IEEE 802.16 Based Wireless Mesh Networks **2006**,		22
136	Protocol-level attacks against Tor. *Computer Networks*, **2013**, 57, 869-886	5.4	20
135	Practical and effective IR-style keyword search over semantic web. *Information Processing and Management*, **2009**, 45, 263-271	6.3	20
134	Energy Efficient Data Collection in Large-Scale Internet of Things via Computation Offloading. *IEEE Internet of Things Journal*, **2019**, 6, 4176-4187	10.7	20
133	On the Strategy and Behavior of Bitcoin Mining with N-attackers **2018**,		19

132	Pattern Mutation in Wireless Sensor Deployment **2010**,		19
131	Legal Judgment Prediction via Multi-Perspective Bi-Feedback Network **2019**,		18
130	. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 1895-1907	3.7	17
129	. *IEEE Transactions on Learning Technologies*, **2012**, 5, 291-303	4	17
128	. *IEEE Transactions on Computers*, **2013**, 62, 2411-2426	2.5	17
127	Edge-Based Communication Optimization for Distributed Federated Learning. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	17
126	Performance Analysis of IEEE 802.16 Multicast and Broadcast Polling based Bandwidth Request **2007**,		16
125	Cyclic stable matching for three-sided networking services. *Computer Networks*, **2013**, 57, 351-363	5.4	15
124	PLAN: Joint Policy- and Network-Aware VM Management for Cloud Data Centers. *IEEE Transactions on Parallel and Distributed Systems*, **2017**, 28, 1163-1175	3.7	15
123	TransT: Type-Based Multiple Embedding Representations for Knowledge Graph Completion. *Lecture Notes in Computer Science*, **2017**, 717-733	0.9	15
122	. *IEEE/ACM Transactions on Networking*, **2012**, 20, 1964-1977	3.8	15
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120	Maximizing real-time streaming services based on a multi-servers networking framework. *Computer Networks*, **2015**, 93, 199-212	5.4	14
119	Connected Coverage in Wireless Networks with Directional Antennas. *ACM Transactions on Sensor Networks*, **2014**, 10, 1-28	2.9	14
118	Comprehensive QoS analysis of enhanced distributed channel access in wireless local area networks. *Information Sciences*, **2012**, 214, 20-34	7.7	14
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115	Just Noticeable Distortion-Based Perceptual Rate Control in HEVC. *IEEE Transactions on Image Processing*, **2020**, 29, 7603-7614	8.7	14

114	. *IEEE Transactions on Emerging Topics in Computing*, **2019**, 1-1	4.1	13
113	A Man-in-the-Middle Attack on 3G-WLAN Interworking **2010**,		13
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111	**2017**,		12
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107	Fog-Based Evaluation Approach for Trustworthy Communication in Sensor-Cloud System. *IEEE Communications Letters*, **2017**, 21, 2532-2535	3.8	11
106	Performance of Acyclic Stochastic Networks with Network Coding. *IEEE Transactions on Parallel and Distributed Systems*, **2011**, 22, 1238-1245	3.7	11
105	Toward Optimal DoS-Resistant Authentication in Crowdsensing Networks via Evolutionary Game **2016**,		11
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103	Malicious Node Detection Scheme Based on Correlation of Data and Network Topology in Fog Computing-based VANETs. *IEEE Transactions on Cloud Computing*, **2020**, 1-1	3.3	10
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100	A survey on deep learning for textual emotion analysis in social networks. *Digital Communications and Networks*, **2021**,	5.9	9
99	Enabling Heterogeneous Network Function Chaining. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 842-854	3.7	9
98	Reinforcement learning-based adaptive resource management of differentiated services in geo-distributed data centers **2017**,		8
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96	Attacking Anonymous Web Browsing at Local Area Networks Through Browsing Dynamics. *Computer Journal*, **2012**, 55, 410-421	1.3	8
95	Worst-Case Delay Control in Multigroup Overlay Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2007**, 18, 1407-1419	3.7	8
94	Secure Computing Resource Allocation Framework For Open Fog Computing. *Computer Journal*, **2020**, 63, 567-592	1.3	8
93	**2018**,		8
92	. *IEEE Access*, **2019**, 7, 43666-43678	3.5	7
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90	Survivability Evaluation in Large-Scale Mobile Ad-Hoc Networks. *Journal of Computer Science and Technology*, **2009**, 24, 761-774	1.7	7
89	Improving Abstractive Document Summarization with Salient Information Modeling **2019**,		7
88	A Cyclic Game for Joint Cooperation and Competition of Edge Resource Allocation **2019**,		7
87	Blind detection of spread spectrum flow watermarks. *Security and Communication Networks*, **2013**, 6, 257-274	1.9	6
86	WiFind: Driver Fatigue Detection with Fine-Grained Wi-Fi Signal Features **2017**,		6
85	**2011**,		6
84	Admission Control in the IEEE 802.11e WLANs Based on Analytical Modelling and Game Theory **2009**,		6
83	Enabling faster and smoother handoffs in AP-dense 802.11 wireless networks. *Computer Communications*, **2010**, 33, 1795-1803	5.1	6
82	Implementation of a Reliable Multicast Protocol. *Software - Practice and Experience*, **1997**, 27, 813-850	2.5	6
81	Node-Disjoint Multipath Routing with Zoning Method in MANETs **2008**,		6
80	**2007**,		6
79	Packet Scheduling Using Bidirectional Concurrent Transmission in WiMAX Mesh Networks **2007**,		6

78	Energy efficient data gathering scheme for wireless sensor networks with static and mobile sinks **2010**,		5
77	Effective Channel Exploitation in IEEE 802.16j Networks for Maritime Communications **2011**,		5
76	FOCUS: A cost-effective approach for large-scale crop monitoring with sensor networks **2009**,		5
75	Connectivity in finite ad-hoc networks. *Science in China Series F: Information Sciences*, **2008**, 51, 417-424		5
74	An efficient admission control for IEEE 802.11 networks based on throughput analyses of (un)saturated channel. *International Journal of Communication Systems*, **2008**, 21, 755-771	1.7	5
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67	. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 4555-4564	6.8	4
66	Routing with Virtual Region Coordinates in Wireless Sensor Networks **2011**,		4
65	Performance Analysis of the TXOP Scheme in IEEE 802.11e WLANs with Bursty Error Channels **2009**,		4
64	On Security Vulnerabilities of Null Data Frames in IEEE 802.11 Based WLANs **2008**,		4
63	An efficient centralized scheduling algorithm for IEEE 802.16 multi-radio mesh networks **2008**,		4
62	Local Retransmission-Based Gossip Protocol in Mobile Ad Hoc Networks **2007**,		4
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60	Natural Image Composition with Inhomogeneous Boundaries. *Lecture Notes in Computer Science*, **2011**, 92-103	0.9	4
59	SpamTracer: Manual Fake Review Detection for O2O Commercial Platforms by Using Geolocation Features. *Lecture Notes in Computer Science*, **2019**, 384-403	0.9	3
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56	Quantitative Evaluation Model for Survivability in Large-Scale MANETs Based on Reliability Theory **2008**,		3
55	Multipath-Based Segment-by-Segment Routing Protocol in MANETs **2008**,		3
54	Network Decoupling: A Methodology for Secure Communications in Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2007**, 18, 1784-1796	3.7	3
53	Throughput Enhancement with Bidirectional Concurrent Transmission in IEEE 802.16 Mesh Networks **2007**,		3
52	Downlink Temporal Fairness in 802.11 WLAN Adopting the Virtual Queue Management **2007**,		3
51	Modeling and Performance Analysis of Initial Connection in IEEE 802.16 PMP Networks **2006**,		3
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49	Optimal maximal encoding different from Huffman encoding		3
48	SIMULATION OF LONG-RANGE DEPENDENT TRAFFIC AND A SIMULATOR OF TCP ARRIVAL TRAFFIC. *Journal of Interconnection Networks*, **2001**, 02, 305-315	0.4	3
47	THE DESIGN AND IMPLEMENTATION OF VIRTUAL LABORATORY PLATFORM IN INTERNET **2002**,		3
46	Jointly Modeling Structural and Textual Representation for Knowledge Graph Completion in Zero-Shot Scenario. *Lecture Notes in Computer Science*, **2018**, 369-384	0.9	3
45	Time-Sync Video Tag Extraction Using Semantic Association Graph. *ACM Transactions on Knowledge Discovery From Data*, **2019**, 13, 1-24	4	2
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41	An Opened Eye on you. *IEEE Vehicular Technology Magazine*, **2011**, 6, 49-59	9.9	2
40	A hybrid moving strategy in wireless sensor networks **2009**,		2
39	DragonNet: A robust mobile Internet service system for long distance trains **2011**,		2
38	Designing Piecewise QoS Routing Protocol in Large-Scale MANETs **2007**,		2
37	Cluster-Based Malicious Node Detection for False Downstream Data in Fog Computing-Based VANETs. *IEEE Transactions on Network Science and Engineering*, **2022**, 1-1	4.9	2
36	A Survey: Main Virtualization Methods and Key Virtualization Technologies of CPU and Memory. *Open Cybernetics and Systemics Journal*, **2015**, 9, 350-358		2
35	Efficient 3G324M protocol Implementation for Low Bit Rate Multipoint Video Conferencing. *Journal of Networks*, **2006**, 1,		2
34	Interactive Variance Attention based Online Spoiler Detection for Time-Sync Comments **2019**,		2
33	Performance evaluation of rate adaptation algorithms for seamless heterogeneous vehicular communications. *Peer-to-Peer Networking and Applications*, **2021**, 14, 1-17	3.1	2
32	Enforcing network policy in heterogeneous network function box environment. *Computer Networks*, **2018**, 138, 108-118	5.4	1
31	Fault-tolerant feedback virtual machine deployment based on user-personalized requirements. *Frontiers of Computer Science*, **2018**, 12, 682-693	2.2	1
30	Color transfer using scattered point interpolation **2011**,		1
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28	TCP-PCP: A Transport Control Protocol Based on the Prediction of Congestion Probability over Wired/Wireless Hybrid Networks **2008**,		1
27	**2008**,		1
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22	Entity Linking Facing Incomplete Knowledge Base. *Lecture Notes in Computer Science*, **2018**, 325-334	0.9	1
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20	Analytical Modelling of IEEE 802.11e Enhanced Distributed Channel Access Protocol in Wireless LANs. *Springer Optimization and Its Applications*, **2011**, 173-190	0.4	1
19	A Traffic Based Lightweight Attack Detection Scheme for VoLTE **2016**,		1
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17	A Fine-grained and Transparent Congestion Control Enforcement Scheme **2018**,		1
16	Self-adapted Frame Selection Module: Refine theInput Strategy forVideo Saliency Detection. *Lecture Notes in Computer Science*, **2022**, 509-516	0.9	1
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13	Connected Dominating Set for Topology Control in Ad Hoc Networks26-42		0
12	A distributed Newton algorithm for network utility maximization in wireless ad hoc networks. *International Journal of Communication Systems*, **2019**, 32, e4078	1.7	
11	A novel IP to 3G multimedia gateway and its applications. *Telecommunication Systems*, **2013**, 53, 3-11	2.3	
10	Detect and Prevent SIP Flooding Attacks in VoLTE by Utilizing a Two-Tier PFilter Design. *IEICE Transactions on Information and Systems*, **2017**, E100.D, 2287-2294	0.6	
9	An Efficient Spatial Query Processing Algorithm in Multi-sink Directional Sensor Network. *Lecture Notes in Computer Science*, **2015**, 13-23	0.9	
8	Minimizing transmission time in 802.16-based multi-channel mesh networks. *International Journal of Pervasive Computing and Communications*, **2009**, 5, 295-311	3.3	
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3	Detect SIP Flooding Attacks in VoLTE by Utilizing and Compressing Counting Bloom Filter. *Lecture Notes in Computer Science*, **2017**, 124-135	0.9
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