

Xianbin Wang

List of Publications by Citations

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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.

401
papers

9,507
citations

45
h-index

86
g-index

481
ext. papers

12,080
ext. citations

6.2
avg, IF

7.1
L-index

#	Paper	IF	Citations
401	Plasma-Assisted Synthesis of NiCoP for Efficient Overall Water Splitting. <i>Nano Letters</i> , 2016 , 16, 7718-7725	14.5	812
400	A Survey on Wireless Security: Technical Challenges, Recent Advances, and Future Trends. <i>Proceedings of the IEEE</i> , 2016 , 104, 1727-1765	14.3	638
399	. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 2099-2111	14.2	389
398	Resource Allocation for Cognitive Small Cell Networks: A Cooperative Bargaining Game Theoretic Approach. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3481-3493	9.6	265
397	Reduction of peak-to-average power ratio of OFDM system using a companding technique. <i>IEEE Transactions on Broadcasting</i> , 1999 , 45, 303-307	4.7	248
396	Applications of wireless sensor networks in marine environment monitoring: a survey. <i>Sensors</i> , 2014 , 14, 16932-54	3.8	220
395	Single crystal hybrid perovskite field-effect transistors. <i>Nature Communications</i> , 2018 , 9, 5354	17.4	177
394	Improving physical-layer security in wireless communications using diversity techniques. <i>IEEE Network</i> , 2015 , 29, 42-48	11.4	172
393	Layered-Division-Multiplexing: Theory and Practice. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 216-232	4.7	159
392	Authentication handover and privacy protection in 5G hetnets using software-defined networking 2015 , 53, 28-35		154
391	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 5103-5113	6.9	148
390	Live Data Analytics With Collaborative Edge and Cloud Processing in Wireless IoT Networks. <i>IEEE Access</i> , 2017 , 5, 4621-4635	3.5	143
389	. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 426-471	37.1	140
388	Security Versus Reliability Analysis of Opportunistic Relaying. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 2653-2661	6.8	136
387	. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 1858-1884	37.1	133
386	Automatic Modulation Classification: A Deep Learning Enabled Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10760-10772	6.8	128
385	Highly Stable Supercapacitors with Conducting Polymer Core-Shell Electrodes for Energy Storage Applications. <i>Advanced Energy Materials</i> , 2015 , 5, 1401805	21.8	113

384	Noninvasive diagnostic devices for diabetes through measuring tear glucose. <i>Journal of Diabetes Science and Technology</i> , 2011 , 5, 166-72	4.1	110
383	Electron-beam lithography of gold nanostructures for surface-enhanced Raman scattering. <i>Journal of Micromechanics and Microengineering</i> , 2012 , 22, 125007	2	108
382	Physical-layer authentication for wireless security enhancement: current challenges and future developments 2016 , 54, 152-158		103
381	. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 674-707	37.1	103
380	SDN Enabled 5G-VANET: Adaptive Vehicle Clustering and Beamformed Transmission for Aggregated Traffic 2017 , 55, 120-127		93
379	Transmitter identification using embedded pseudo random sequences. <i>IEEE Transactions on Broadcasting</i> , 2004 , 50, 244-252	4.7	93
378	Physical Layer Authentication for Mobile Systems with Time-Varying Carrier Frequency Offsets. <i>IEEE Transactions on Communications</i> , 2014 , 62, 1658-1667	6.9	88
377	A Latency and Reliability Guaranteed Resource Allocation Scheme for LTE V2V Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3850-3860	9.6	87
376	Recursive Principal Component Analysis-Based Data Outlier Detection and Sensor Data Aggregation in IoT Systems. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 2207-2216	10.7	82
375	Off-Grid DOA Estimation Using Sparse Bayesian Learning in MIMO Radar With Unknown Mutual Coupling. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 208-220	4.8	81
374	Wireless Sensor Network Reliability and Security in Factory Automation: A Survey. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 1243-1256		78
373	A Survey of Collaborative Filtering-Based Recommender Systems for Mobile Internet Applications. <i>IEEE Access</i> , 2016 , 4, 3273-3287	3.5	76
372	Security Enhancement for NOMA-UAV Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3994-4005	6.8	74
371	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4670-4683	6.8	69
370	Resource Allocation in NOMA-Based Fog Radio Access Networks. <i>IEEE Wireless Communications</i> , 2018 , 25, 110-115	13.4	66
369	Towards product customization and personalization in IoT-enabled cloud manufacturing. <i>Cluster Computing</i> , 2017 , 20, 1717-1730	2.1	64
368	SER performance evaluation and optimization of OFDM system with residual frequency and timing offsets from imperfect synchronization. <i>IEEE Transactions on Broadcasting</i> , 2003 , 49, 170-177	4.7	63
367	Energy-Efficient Joint Offloading and Wireless Resource Allocation Strategy in Multi-MEC Server Systems 2018 ,		60

366	Deep Learning-Based Beam Management and Interference Coordination in Dense mmWave Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 592-603	6.8	57
365	Learning-Aided Physical Layer Authentication as an Intelligent Process. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2260-2273	6.9	56
364	The Internet of Things in Manufacturing: Key Issues and Potential Applications. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018 , 4, 6-15	1.6	55
363	Cooperative and cognitive paradigms for green hetnets [Guest Editorial]. <i>IEEE Wireless Communications</i> , 2013 , 20, 34-36	13.4	52
362	Hybrid Analog-Digital Channel Estimation and Beamforming: Training-Throughput Tradeoff. <i>IEEE Transactions on Communications</i> , 2015 , 63, 5235-5249	6.9	50
361	Machine Learning for Intelligent Authentication in 5G and Beyond Wireless Networks. <i>IEEE Wireless Communications</i> , 2019 , 26, 55-61	13.4	48
360	Physical Layer Authentication Enhancement Using Two-Dimensional Channel Quantization. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 4171-4182	9.6	47
359	Robust channel estimation and ISI cancellation for OFDM systems with suppressed features. <i>IEEE Journal on Selected Areas in Communications</i> , 2005 , 23, 963-972	14.2	47
358	Synergistic spectrum sharing in 5G HetNets: A harmonized SDN-enabled approach 2016 , 54, 40-47		45
357	Grant-Free Rateless Multiple Access: A Novel Massive Access Scheme for Internet of Things. <i>IEEE Communications Letters</i> , 2016 , 20, 2019-2022	3.8	45
356	Intelligent Network Slicing for V2X Services Toward 5G. <i>IEEE Network</i> , 2019 , 33, 196-204	11.4	44
355	Applications of Internet of Things in manufacturing 2016 ,		42
354	Uplink-Aided High Mobility Downlink Channel Estimation Over Massive MIMO-OTFS System. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1994-2009	14.2	41
353	IoT-enabled dynamic service selection across multiple manufacturing clouds. <i>Manufacturing Letters</i> , 2016 , 7, 22-25	4.5	41
352	A two dimensional quantization algorithm for CIR-based physical layer authentication 2013 ,		41
351	Robust physical layer authentication using inherent properties of channel impulse response 2011 ,		41
350	Efficient Antenna Selection and User Scheduling in 5G Massive MIMO-NOMA System 2016 ,		41
349	QoE-driven spectrum assignment for 5G wireless networks using SDR. <i>IEEE Wireless Communications</i> , 2015 , 22, 48-55	13.4	39

348	A \$\$ -Learning-Based Proactive Caching Strategy for Non-Safety Related Services in Vehicular Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 4512-4520	10.7	39
347	Highly Efficient 3-D Resource Allocation Techniques in 5G for NOMA-Enabled Massive MIMO and Relaying Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 2785-2797	14.2	38
346	Giant Flexoelectric Polarization in a Micromachined Ferroelectric Diaphragm. <i>Advanced Functional Materials</i> , 2013 , 23, 124-132	15.6	38
345	Intercept probability analysis of cooperative wireless networks with best relay selection in the presence of eavesdropping attack 2013 ,		36
344	An ATSC DTV receiver with improved robustness to multipath and distributed transmission environments. <i>IEEE Transactions on Broadcasting</i> , 2004 , 50, 32-41	4.7	36
343	LTE in the Unlicensed Band: Overview, Challenges, and Opportunities. <i>IEEE Wireless Communications</i> , 2017 , 24, 99-105	13.4	35
342	Collaborative Distributed Q-Learning for RACH Congestion Minimization in Cellular IoT Networks. <i>IEEE Communications Letters</i> , 2019 , 23, 600-603	3.8	35
341	UAV-Enabled Spatial Data Sampling in Large-Scale IoT Systems Using Denoising Autoencoder Neural Network. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 1856-1865	10.7	35
340	On the design and performance analysis of multisymbol encapsulated OFDM systems. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 990-1002	6.8	34
339	IEEE 802.11be Wi-Fi 7: New Challenges and Opportunities. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 2136-2166	37.1	34
338	Joint Radio Resource Allocation and Control for Vehicle Platooning in LTE-V2V Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 12218-12230	6.8	34
337	On the puncturing patterns for punctured polar codes 2014 ,		32
336	Security and privacy considerations for Wireless Sensor Networks in smart home environments 2012 ,		32
335	. <i>IEEE Transactions on Broadcasting</i> , 2009 , 55, 633-641	4.7	31
334	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 10788-10799	6.8	31
333	Secure Transmission via Joint Precoding Optimization for Downlink MISO NOMA. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7603-7615	6.8	30
332	A Split-Reduced Successive Cancellation List Decoder for Polar Codes. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 292-302	14.2	30
331	Eavesdropping-Resilient OFDM System Using Sorted Subcarrier Interleaving. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 1155-1165	9.6	30

330	Secure Primary Transmission Assisted by a Secondary Full-Duplex NOMA Relay. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7214-7219	6.8	29
329	Cloud-Orchestrated Physical Topology Discovery of Large-Scale IoT Systems Using UAVs. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2261-2270	11.9	28
328	Power allocation and performance analysis of the collaborative NOMA assisted relaying systems in 5G. <i>China Communications</i> , 2017 , 14, 50-60	3	27
327	Coordinated Multiple-Relays Based Physical-Layer Security Improvement: A Single-Leader Multiple-Followers Stackelberg Game Scheme. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 197-209	8	27
326	Software-defined networking-based resource management: data offloading with load balancing in 5G HetNet. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	26
325	A Collaborative PHY-Aided Technique for End-to-End IoT Device Authentication. <i>IEEE Access</i> , 2018 , 6, 42279-42293	3.5	26
324	Fast Authentication and Progressive Authorization in Large-Scale IoT: How to Leverage AI for Security Enhancement. <i>IEEE Network</i> , 2020 , 34, 24-29	11.4	25
323	Dynamic Subcarrier Coordinate Interleaving for Eavesdropping Prevention in OFDM Systems. <i>IEEE Communications Letters</i> , 2014 , 18, 1059-1062	3.8	25
322	Physical layer authentication in OFDM systems based on hypothesis testing of CFO estimates 2012 ,		25
321	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 941-951	6.8	24
320	A New Positioning System Using DVB-T2 Transmitter Signature Waveforms in Single Frequency Networks. <i>IEEE Transactions on Broadcasting</i> , 2012 , 58, 347-359	4.7	24
319	Fast authentication in 5G HetNet through SDN enabled weighted secure-context-information transfer 2016 ,		24
318	A Novel Fog Computing Enabled Temporal Data Reduction Scheme in IoT Systems 2017 ,		23
317	. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 3791-3798	9.6	23
316	A channel characterization technique using frequency domain pilot time domain correlation method for DVB-T systems. <i>IEEE Transactions on Consumer Electronics</i> , 2003 , 49, 949-957	4.8	23
315	. <i>IEEE Access</i> , 2019 , 7, 129043-129053	3.5	22
314	Performance Analysis and Code Optimization of IDMA With 5G New Radio LDPC Code. <i>IEEE Communications Letters</i> , 2018 , 22, 1552-1555	3.8	22
313	Robust data transmission using the transmitter identification sequences in ATSC DTV signals. <i>IEEE Transactions on Consumer Electronics</i> , 2005 , 51, 41-47	4.8	22

312	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6775-6786	6.8	21
311	Layered-Division Multiplexing: An Enabling Technology for Multicast/Broadcast Service Delivery in 5G. <i>IEEE Communications Magazine</i> , 2018 , 56, 82-90	9.1	21
310	A hybrid framework for integrating multiple manufacturing clouds. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 86, 895-911	3.2	21
309	Multuser Resource Control With Deep Reinforcement Learning in IoT Edge Computing. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 10119-10133	10.7	21
308	Reply to the comments on "Reduction of peak-to-average power ratio of OFDM system using a companding technique". <i>IEEE Transactions on Broadcasting</i> , 1999 , 45, 420-422	4.7	21
307	On efficiency enhancement of the correlation-based feature selection for intrusion detection systems 2016 ,		21
306	Performance Characterization and Optimization of Mobile Service Delivery in LDM-Based Next Generation DTV Systems. <i>IEEE Transactions on Broadcasting</i> , 2015 , 61, 557-570	4.7	20
305	Time-Varying Massive MIMO Channel Estimation: Capturing, Reconstruction, and Restoration. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7558-7572	6.9	19
304	Electrochemical behavior of Th(IV) and its electrodeposition from ThF4-LiCl-KCl melt. <i>Electrochimica Acta</i> , 2016 , 196, 286-293	6.7	19
303	Latency Minimization in Wireless IoT Using Prioritized Channel Access and Data Aggregation 2017 ,		19
302	A New Adaptive OFDM System with Precoded Cyclic Prefix for Dynamic Cognitive Radio Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 431-442	14.2	19
301	ATSC 3.0 Transmitter Identification Signals and Applications. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 240-249	4.7	18
300	Nonorthogonal Time-Frequency Training-Sequence-Based CSI Acquisition for MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 5714-5719	6.8	18
299	Relay authentication by exploiting I/Q imbalance in amplify-and-forward system 2014 ,		18
298	Robust switching blind equalizer for wireless cognitive receivers. <i>IEEE Transactions on Wireless Communications</i> , 2008 , 7, 1461-1465	9.6	18
297	On the SER and spectral analyses of A-law companded multicarrier modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2003 , 52, 1408-1412	6.8	18
296	2016 ,		18
295	Mobility Management through Scalable C/U-Plane Decoupling in IoV Networks. <i>IEEE Communications Magazine</i> , 2019 , 57, 122-129	9.1	17

294	Using Layered-Division-Multiplexing to Deliver Multi-Layer Mobile Services in ATSC 3.0. <i>IEEE Transactions on Broadcasting</i> , 2019 , 65, 40-52	4.7	17
293	Digital-Twin-Enabled Intelligent Distributed Clock Synchronization in Industrial IoT Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4548-4559	10.7	17
292	Machine Learning Aided Scheme for Load Balancing in Dense IoT Networks. <i>Sensors</i> , 2018 , 18,	3.8	17
291	Virtual Small Cells Formation in 5G Networks. <i>IEEE Communications Letters</i> , 2017 , 21, 616-619	3.8	16
290	Short-Term Traffic Prediction Based on DeepCluster in Large-Scale Road Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 12301-12313	6.8	16
289	Physical layer aspects of wireless IoT 2016 ,		16
288	Performance enhancement of I/Q imbalance based wireless device authentication through collaboration of multiple receivers 2014 ,		16
287	Organic geochemistry of the Dongsheng sedimentary uranium ore deposits, China. <i>Applied Geochemistry</i> , 2007 , 22, 1949-1969	3.5	16
286	Distributed Clock Synchronization Based on Intelligent Clustering in Local Area Industrial IoT Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3697-3707	11.9	16
285	Coordinated Direct and Relay Transmission With NOMA and Network Coding in Nakagami-m Fading Channels. <i>IEEE Transactions on Communications</i> , 2021 , 69, 207-222	6.9	16
284	Hybrid Beamforming Design and Resource Allocation for UAV-aided Wireless-Powered Mobile Edge Computing Networks with NOMA. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	16
283	Universal Filtered Multi-Carrier Transmission With Adaptive Active Interference Cancellation. <i>IEEE Transactions on Communications</i> , 2017 , 65, 2554-2567	6.9	15
282	Signature Design of Sparsely Spread Code Division Multiple Access Based on Superposed Constellation Distance Analysis. <i>IEEE Access</i> , 2017 , 5, 23809-23821	3.5	15
281	Green-RPL: An Energy-Efficient Protocol for Cognitive Radio Enabled AMI Network in Smart Grid. <i>IEEE Access</i> , 2018 , 6, 18335-18344	3.5	15
280	Two Time-Scale Edge Caching and BS Association for Power-Delay Tradeoff in Multi-Cell Networks. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5506-5519	6.9	15
279	On the Secrecy Rate Achievability in Dual-Hop Amplify-and-Forward Relay Networks. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 493-496	5.9	15
278	A New Position Location System Using DTV Transmitter Identification Watermark Signals. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2006, 1	1.9	15
277	Mobile cloud computing in 5G: Emerging trends, issues, and challenges [Guest Editorial]. <i>IEEE Network</i> , 2015 , 29, 4-5	11.4	14

276	Mobility and Location-Aware Stable Clustering Scheme for UAV Networks. <i>IEEE Access</i> , 2020 , 8, 106364-106372	14	14
275	Outage probability and capacity analysis of the collaborative NOMA assisted relaying system in 5G 2016 ,		14
274	Machine learning techniques for intrusion detection on public dataset 2016 ,		14
273	Throughput Optimization With Delay Guarantee for Massive Random Access of M2M Communications in Industrial IoT. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 10077-10092	10.7	14
272	Surface-enhanced Raman scattering on gold nanorod pairs with interconnection bars of different widths. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 734-738	8.5	14
271	. <i>Proceedings of the IEEE</i> , 2006 , 94, 44-59	14.3	14
270	Beamforming and Jamming Optimization for IRS-Aided Secure NOMA Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	14
269	Intelligent Radio Access Network Slicing for Service Provisioning in 6G: A Hierarchical Deep Reinforcement Learning Approach. <i>IEEE Transactions on Communications</i> , 2021 , 69, 6063-6078	6.9	14
268	Structured-Compressed-Sensing-Based Impulsive Noise Cancellation for MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6921-6931	6.8	13
267	A MIH and SDN-based Framework for network selection in 5G HetNet: Backhaul requirement perspectives 2015 ,		13
266	Distributed Caching Enabled Peak Traffic Reduction in Ultra-Dense IoT Networks. <i>IEEE Communications Letters</i> , 2018 , 22, 1252-1255	3.8	13
265	Two-Dimensional Structured-Compressed-Sensing-Based NBI Cancellation Exploiting Spatial and Temporal Correlations in MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9020-9028	6.8	13
264	Joint Source and Relay Precoding in Multiantenna Millimeter-Wave Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 4924-4937	6.8	13
263	Bending-induced electromechanical coupling and large piezoelectric response in a micromachined diaphragm. <i>Scientific Reports</i> , 2013 , 3, 3127	4.9	13
262	Continuous Physical Layer Authentication Using a Novel Adaptive OFDM System 2011 ,		13
261	An Efficient Receiver Structure for Robust Data Transmission using TxID Signal in the ATSC DTV System. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 408-414	4.8	13
260	On the comparison between conventional OFDM and MSE-OFDM systems		13
259	Waveform Design for Kalman Filter-Based Target Scattering Coefficient Estimation in Adaptive Radar System. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 11805-11817	6.8	13

258	Analysis of the vehicle driving stability region based on the bifurcation of the driving torque and the steering angle. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2017 , 231, 984-998	1.4	12
257	Human activity detection based on multiple smart phone sensors and machine learning algorithms 2015 ,		12
256	Deep Learning Based Hotspot Prediction and Beam Management for Adaptive Virtual Small Cell in 5G Networks. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 83-94	4.1	12
255	. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 282-292	6.7	12
254	Serpentinization, abiogenic organic compounds, and deep life. <i>Science China Earth Sciences</i> , 2014 , 57, 878-887	4.6	12
253	Hybrid analog-digital beamforming for multiuser MIMO millimeter wave relay systems 2015 ,		12
252	A Low-Complexity Carrier Frequency Offset Estimator Independent of DC Offset. <i>IEEE Communications Letters</i> , 2008 , 12, 520-522	3.8	12
251	Radio Frequency Fingerprint Identification for LoRa Using Deep Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 2604-2616	14.2	12
250	Temporal and spatial correlation based distributed fault detection in wireless sensor networks 2015 ,		11
249	Security Enhancement Using a Novel Two-Slot Cooperative NOMA Scheme. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 3470-3475	6.8	11
248	A rate-splitting non-orthogonal multiple access scheme for uplink transmission 2017 ,		11
247	Secure Transmission in OFDM Systems by Using Time Domain Scrambling 2013 ,		11
246	From D2D to Ds2D: Prolonging the Battery Life of Mobile Devices via Ds2D Communications. <i>IEEE Wireless Communications</i> , 2017 , 24, 55-63	13.4	11
245	A New Atomic Norm for DOA Estimation With Gain-Phase Errors. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 4293-4306	4.8	11
244	Adaptive Uplink OFDMA Random Access Grouping Scheme for Ultra-Dense Networks in IEEE 802.11ax 2018 ,		11
243	Cooperative ARQ-Based Energy-Efficient Routing in Multihop Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 5187-5197	6.8	10
242	Futures-Based Resource Trading and Fair Pricing in Real-Time IoT Networks. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 125-128	5.9	10
241	Accuracy of Harmonic Mean Approximation in Performance Analysis of Multihop Amplify-and-Forward Relaying. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 125-128	5.9	10

240	Misbehavior detection in amplify-and-forward cooperative OFDM systems 2013,		10
239	Digital Broadcasting Television Channel Measurements and Characterization for SIMO Mobile Reception. <i>IEEE Transactions on Broadcasting</i> , 2006 , 52, 450-463	4.7	10
238	Joint Location and Transmit Power Optimization for NOMA-UAV Networks via Updating Decoding Order. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 136-140	5.9	10
237	Situation-Aware Resource Allocation for Multi-Dimensional Intelligent Multiple Access: A Proactive Deep Learning Framework. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 116-130	14.2	10
236	Resource Allocation and Trajectory Optimization for UAV-Enabled Multi-User Covert Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 1989-1994	6.8	10
235	Simplified successive-cancellation decoding using information set reselection for polar codes with arbitrary blocklength. <i>IET Communications</i> , 2015 , 9, 1380-1387	1.3	9
234	Performance Analysis of Spatial Modulation Aided NOMA With Full-Duplex Relay. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 5683-5687	6.8	9
233	Comparison of Interference Cancellation Schemes for Non-Orthogonal Multiple Access System 2016,		9
232	Eavesdropping attack in collaborative wireless networks: Security protocols and intercept behavior 2013,		9
231	Probabilistic Analysis of Mutual Interference in Cognitive Radio Communications 2011,		9
230	On the SER analysis of A-law companded OFDM system		9
229	2021,		9
228	Accuracy Analysis of the Two-Reference-Node Angle-of-Arrival Localization System. <i>IEEE Wireless Communications Letters</i> , 2015 , 4, 329-332	5.9	8
227	Distance Statistics of the Communication Best Neighbor in a Poisson Field of Nodes. <i>IEEE Transactions on Communications</i> , 2015 , 63, 997-1005	6.9	8
226	Connectivity-Based Centroid Localization Using Distributed Dense Reference Nodes. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6685-6689	6.8	8
225	Multi-Beam Transmission and Dual-Band Cooperation for Control/Data Plane Decoupled WLANs. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 9806-9819	6.8	8
224	Mixed-Timescale Joint Computational Offloading and Wireless Resource Allocation Strategy in Energy Harvesting Multi-MEC Server Systems. <i>IEEE Access</i> , 2019 , 7, 74640-74652	3.5	8
223	Secret Key Generation Using Physical Channels with Imperfect CSI 2014,		8

222	Kasami sequence studies for DTV transmitter identification. <i>IEEE Transactions on Consumer Electronics</i> , 2012 , 58, 1138-1146	4.8	8
221	Long Term Cluster-Based Channel Envelope and Phase Prediction for Dynamic Link Adaptation. <i>IEEE Communications Letters</i> , 2011 , 15, 713-715	3.8	8
220	Modulation classification based on Gaussian mixture models under multipath fading channel 2012 ,		8
219	A Time Slicing Adaptive OFDM System for Mobile Multimedia Communications. <i>IEEE Transactions on Broadcasting</i> , 2010 , 56, 226-234	4.7	8
218	A New Adaptive OFDM System with Precoded Cyclic Prefix for Cognitive Radio 2008 ,		8
217	Performance evaluation of an ICI self-cancellation coded transceiver for mobile DVB-T applications. <i>IEEE Transactions on Consumer Electronics</i> , 2005 , 51, 1110-1120	4.8	8
216	Nonlinear Polynomial Graph Filter for Signal Processing With Irregular Structures. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 6241-6251	4.8	8
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