Jun Wu

List of Publications by Year
in descending order

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124	2,147	257450	254184
papers	citations	24	43
		h-index	g-index

124	124	124	2371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insight into the heavy metal binding potential of dissolved organic matter in MSW leachate using EEM quenching combined with PARAFAC analysis. Water Research, 2011, 45, 1711-1719.	11.3	291
2	Charging Unplugged: Will Distributed Laser Charging for Mobile Wireless Power Transfer Work?. IEEE Vehicular Technology Magazine, 2016, 11, 36-45.	3.4	124
3	Distributed Laser Charging: A Wireless Power Transfer Approach. IEEE Internet of Things Journal, 2018, 5, 3853-3864.	8.7	123
4	Fluorescent characteristics and metal binding properties of individual molecular weight fractions in municipal solid waste leachate. Environmental Pollution, 2012, 162, 63-71.	7.5	93
5	PPIM: A Protein-Protein Interaction Database for Maize. Plant Physiology, 2016, 170, 618-626.	4.8	85
6	Intelligent Cooperative Spectrum Sensing via Hierarchical Dirichlet Process in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2015, 33, 771-787.	14.0	64
7	Deep Fusion Feature Representation Learning With Hard Mining Center-Triplet Loss for Person Re-Identification. IEEE Transactions on Multimedia, 2020, 22, 3180-3195.	7.2	64
8	Low-Complexity Deep-Learning-Based DOA Estimation for Hybrid Massive MIMO Systems With Uniform Circular Arrays. IEEE Wireless Communications Letters, 2020, 9, 83-86.	5.0	62
9	Cr(VI) removal from aqueous solution by dried activated sludge biomass. Journal of Hazardous Materials, 2010, 176, 697-703.	12.4	59
10	Toward understanding the role of individual fluorescent components in DOM-metal binding. Journal of Hazardous Materials, 2012, 215-216, 294-301.	12.4	57
11	Historical Spectrum Sensing Data Mining for Cognitive Radio Enabled Vehicular Ad-Hoc Networks. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 59-70.	5.4	56
12	Characterizing heavy metals in combined sewer overflows and its influence on microbial diversity. Science of the Total Environment, 2018, 625, 1272-1282.	8.0	51
13	Achievable Rate Analysis and Phase Shift Optimization on Intelligent Reflecting Surface With Hardware Impairments. IEEE Transactions on Wireless Communications, 2021, 20, 5514-5530.	9.2	45
14	Runoff simulation of two typical urban green land types with the Stormwater Management Model (SWMM): sensitivity analysis and calibration of runoff parameters. Environmental Monitoring and Assessment, 2019, 191, 343.	2.7	44
15	Compressive Coded Modulation for Seamless Rate Adaptation. IEEE Transactions on Wireless Communications, 2013, 12, 4892-4904.	9.2	42
16	Incremental Generative Occlusion Adversarial Suppression Network for Person ReID. IEEE Transactions on Image Processing, 2021, 30, 4212-4224.	9.8	42
17	Cross-Platform Resource Scheduling for Spark and MapReduce on YARN. IEEE Transactions on Computers, 2017, 66, 1341-1353.	3.4	37
18	Reinforcement Learning-Based Optimal Computing and Caching in Mobile Edge Network. IEEE Journal on Selected Areas in Communications, 2020, 38, 2343-2355.	14.0	35

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19	Effects of extracellular polymeric substances and microbial community on the anti-scouribility of sewer sediment. Science of the Total Environment, 2019, 687, 494-504.	8.0	34
20	Progressive DARTS: Bridging the Optimization Gap for NAS in the Wild. International Journal of Computer Vision, 2021, 129, 638-655.	15.6	33
21	Contract-Based Small-Cell Caching for Data Disseminations in Ultra-Dense Cellular Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1042-1053.	5.8	31
22	A Novel Forward-Link Multiplexed Scheme in Satellite-Based Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1265-1274.	8.7	30
23	Fair Scheduling in Resonant Beam Charging for IoT Devices. IEEE Internet of Things Journal, 2019, 6, 641-653.	8.7	27
24	Analog Coded SoftCast: A Network Slice Design for Multimedia Broadcast/Multicast. IEEE Transactions on Multimedia, 2017, 19, 2293-2306.	7.2	25
25	Fast Decoding and Hardware Design for Binary-Input Compressive Sensing. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 591-603.	3.6	24
26	DAC-Mobi: Data-Assisted Communications of Mobile Images with Cloud Computing Support. IEEE Transactions on Multimedia, 2016, 18, 893-904.	7.2	22
27	Efficient coding modulation and seamless rate adaptation for visible light communications. IEEE Wireless Communications, 2015, 22, 86-93.	9.0	21
28	Adaptive Distributed Laser Charging for Efficient Wireless Power Transfer. , 2017, , .		21
29	UAV Beam Alignment for Highly Mobile Millimeter Wave Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 8577-8585.	6.3	21
30	Arithmetic-BICM for Seamless Rate Adaptation for Wireless Communication Systems. IEEE Systems Journal, 2016, 10, 228-239.	4.6	18
31	Optimal Resonant Beam Charging for Electronic Vehicles in Internet of Intelligent Vehicles. IEEE Internet of Things Journal, 2019, 6, 6-14.	8.7	18
32	TDMA in Adaptive Resonant Beam Charging for IoT Devices. IEEE Internet of Things Journal, 2019, 6, 867-877.	8.7	17
33	Adaptive Resonant Beam Charging for Intelligent Wireless Power Transfer. IEEE Internet of Things Journal, 2019, 6, 1160-1172.	8.7	17
34	Resource Allocation for Uncoded Multi-user Video Transmission over Wireless Networks. Mobile Networks and Applications, 2016, 21, 950-961.	3.3	16
35	QoS-Aware User Grouping Strategy for Downlink Multi-Cell NOMA Systems. IEEE Transactions on Wireless Communications, 2021, 20, 7871-7887.	9.2	15
36	Knowledge-Enhanced Mobile Video Broadcasting Framework With Cloud Support. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 6-18.	8.3	14

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37	Different erosion characteristics of sediment deposits in combined and storm sewers. Water Science and Technology, 2017, 75, 1922-1931.	2.5	13
38	Rate-Adaptive Feedback with Bayesian Compressive Sensing in Multiuser MIMO Beamforming Systems. IEEE Transactions on Wireless Communications, 2016, , 1-1.	9.2	12
39	Secure Transmission in Multi-Cell Multi-User Massive MIMO Systems With an Active Eavesdropper. IEEE Wireless Communications Letters, 2019, 8, 85-88.	5.0	12
40	Random Caching Optimization in Large-Scale Cache-Enabled Internet of Things Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 385-397.	6.4	12
41	An Optimal Resource Allocation for Superposition Coding-Based Hybrid Digitalâ€“Analog System. IEEE Internet of Things Journal, 2017, 4, 945-956.	8.7	11
42	Performance Analysis and Beamforming Designs of MIMO AF Relaying With Hardware Impairments. IEEE Transactions on Vehicular Technology, 2018, 67, 6229-6243.	6.3	11
43	Cost-Distortion Optimization and Resource Control in Pseudo-Analog Visual Communications. IEEE Transactions on Multimedia, 2018, 20, 3097-3110.	7.2	11
44	Biosorption of Cr(III) from aqueous solution by freeze-dried activated sludge: Equilibrium, kinetic and thermodynamic studies. Frontiers of Environmental Science and Engineering in China, 2010, 4, 286-294.	0.8	10
45	How loud to talk and how hard to listen-before-talk in unlicensed LTE. , 2015, , .		10
46	CSTEA: a webserver for the Cell State Transition Expression Atlas. Nucleic Acids Research, 2017, 45, W103-W108.	14.5	10
47	Influences of rainfall variables and antecedent discharge on urban effluent concentrations and loads in wet weather. Water Science and Technology, 2017, 75, 1584-1598.	2.5	10
48	Degrees of Freedom of the Circular Multirelay MIMO Interference Channel in IoT Networks. IEEE Internet of Things Journal, 2018, 5, 1957-1966.	8.7	10
49	Improved KMV-Cast with BM3D Denoising. Mobile Networks and Applications, 2018, 23, 100-107.	3.3	10
50	Improved Instance Discrimination and Feature Compactness for End-to-End Person Search. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2079-2090.	8.3	10
51	Cache Placement Optimization in Mobile Edge Computing Networks With Unaware Environmentâ€”An Extended Multi-Armed Bandit Approach. IEEE Transactions on Wireless Communications, 2021, 20, 8119-8133.	9.2	10
52	Long-term effect of water diversion and CSOs on the remediation of heavy metals and microbial community in river sediments. Water Science and Technology, 2019, 79, 2395-2406.	2.5	9
53	SWIFT: A Computationally-Intensive DSP Architecture for Communication Applications. Mobile Networks and Applications, 2016, 21, 974-982.	3.3	8
54	A Collaborative Scheduling-Based Parallel Solution for HEVC Encoding on Multicore Platforms. IEEE Transactions on Multimedia, 2018, 20, 2935-2948.	7.2	8

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55	Identification of Functional Gene Modules Associated With STAT-Mediated Antiviral Responses to White Spot Syndrome Virus in Shrimp. Frontiers in Physiology, 2019, 10, 212.	2.8	8
56	Cyclic CNN: Image Classification With Multiscale and Multilocation Contexts. IEEE Internet of Things Journal, 2021, 8, 7466-7475.	8.7	8
57	Video Multicast: Integrating Scalability of Soft Video Delivery Systems Into NOMA. IEEE Wireless Communications Letters, 2019, 8, 1722-1726.	5.0	7
58	Raptor Codes With Descending Order Degrees for AWGN Channels. IEEE Communications Letters, 2020, 24, 29-33.	4.1	7
59	Optimal Beam Pattern Design for Hybrid Beamforming in Millimeter Wave Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 7987-7991.	6.3	7
60	Location-aware Beamforming Design for Reconfigurable Intelligent Surface Aided Communication System. , 2021, , .		7
61	Context-Aware Feature Learning for Noise Robust Person Search. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7047-7060.	8.3	7
62	Design and implementation of DMA transfers in WISHBONE interface. , 2015, , .		6
63	A Multi-Grained Parallel Solution for HEVC Encoding on Heterogeneous Platforms. IEEE Transactions on Multimedia, 2019, 21, 2997-3009.	7.2	6
64	Compressive Spinal Codes. IEEE Transactions on Vehicular Technology, 2019, 68, 11944-11954.	6.3	6
65	Deep-Learning-Based Initial Access Method for Millimeter-Wave MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 1067-1071.	5.0	6
66	Mercury: A Simple Transport Layer Scheduler to Accelerate Distributed DNN Training. , 2022, , .		6
67	Cooperative Spectrum Sensing With Data Mining of Multiple Usersâ€™ Historical Sensing Data. IEEE Access, 2016, 4, 7391-7401.	4.2	5
68	A Hybrid Digital Analog Scheme for MIMO Multimedia Broadcasting. IEEE Wireless Communications Letters, 2017, 6, 322-325.	5.0	5
69	A High-Performance Systolic Array Accelerator Dedicated for CNN. , 2019, , .		5
70	LTE physical layer implementation based on GPP multi-core parallel processing and USRP platform. , 2014, , .		4
71	Optimal Antenna Deployment for Multiuser MIMO Systems Based on Random Matrix Theory. IEEE Transactions on Vehicular Technology, 2016, 65, 8155-8162.	6.3	4
72	Effect of passive ventilation on the performance of unplanted sludge treatment wetlands: heavy metal removal and microbial community variation. Environmental Science and Pollution Research, 2020, 27, 31665-31676.	5.3	4

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73	Quantitative source apportionment of dissolved organic matters in wet weather overflows of storm drainage systems based on degradation potential index and end member mixing model. Science of the Total Environment, 2021, 792, 148493.	8.0	4
74	Intelli-AR Preloading: A Learning Approach to Proactive Hologram Transmissions in Mobile AR. IEEE Internet of Things Journal, 2022, 9, 17714-17727.	8.7	4
75	Nondestructive characterization of the contaminated biodegradable fraction of municipal solid waste using synchrotron radiation-induced micro-X-ray fluorescence. Bioresource Technology, 2013, 132, 239-243.	9.6	3
76	Design and Implementation of Seamless Rate Adaptive Decoder. , 2014, , .		3
77	A family of chaotic pure analog coding schemes based on bakerâ€™s map function. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.7	3
78	Relay-Assisted Joint Coded Modulation. IEEE Wireless Communications Letters, 2016, 5, 356-359.	5.0	3
79	SOUP: Advanced SDR platform for 5G communication. , 2017, , .		3
80	HARQ-Chaotic: Analog Chaotic Code Applied in HARQ Scheme of Wireless Communication System. Wireless Communications and Mobile Computing, 2019, 2019, 1-13.	1.2	3
81	Efficient Soft Video MIMO Design to Combine Diversity and Spatial Multiplexing Gain. IEEE Internet of Things Journal, 2019, 6, 5461-5472.	8.7	3
82	QoS-Driven Resource Optimization for Intelligent Fog Radio Access Network: A Dynamic Power Allocation Perspective. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 394-407.	7.9	3
83	An Effective Generative Model Based Channel Estimation Method With Reduced Overhead. IEEE Transactions on Vehicular Technology, 2022, 71, 8414-8423.	6.3	3
84	Minimizing the Energy Cost of Servers in Data Center Networks. , 2012, , .		2
85	Architecture and implementation of a vector MAC unit for complex number. , 2014, , .		2
86	Predicting zero coefficients for High Efficiency Video Coding. , 2014, , .		2
87	Uncoded video transmission in multi-users networks. , 2015, , .		2
88	Correlative Filters for Convolutional Neural Networks. , 2015, , .		2
89	A VLIW DSP for communication applications. , 2015, , .		2
90	Transmit power control and clear channel assessment in LAA networks. , 2015, , .		2

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91	Scheduling Algorithm Design for Virtualized Hardware Accelerator in C-RAN. , 2016, , .		2
92	Pseudo analog video transmission based on LTE physical layer. , 2016, , .		2
93	Performance Analysis of KMV-Cast with Imperfect Prior Knowledge. , 2016, , .		2
94	Pseudo-analog wireless stereo video transmission in hardware acceleration. , 2017, , .		2
95	A Reconfigurable SoC for SoftCast Wireless Video Transmission. , 2018, , .		2
96	A Low-Latency Reliable Transport Solution for Network-Connected UAV. , 2018, , .		2
97	Distributed random projection code scheme for decode and forward relay channel. , 2012, , .		1
98	Queuing theory based spectrum allocation in cognitive radio networks. , 2014, , .		1
99	Research on multimedia transmission over cognitive radio networks. , 2015, , .		1
100	Design and implementation of a memory architecture in dsp for wireless communication. , 2015, , .		1
101	Degrees of Freedom of a MIMO Multipair Two-Way Relay Channel With Delayed Channel State Information. IEEE Signal Processing Letters, 2018, 25, 243-247.	3.6	1
102	A Heterogeneous SoC for Soft Cast Wireless Video Transmission. , 2018, , .		1
103	A Hybrid Digital-Analog Chaotic Code. IEEE Wireless Communications Letters, 2018, 7, 930-933.	5.0	1
104	A Low-Latency Reliable Transport Solution for Network-Connected UAV. , 2018, , .		1
105	An Optimal Resource Allocation for Hybrid Digitalâ€“Analog With Combined Multiplexing. IEEE Internet of Things Journal, 2019, 6, 1125-1135.	8.7	1
106	A Deep Image Coding Scheme With Generative Network to Learn From Correlated Images. IEEE Transactions on Multimedia, 2021, 23, 2235-2244.	7.2	1
107	Distributed Coding Modulation Adaptation Scheme for Relay Channel. Communications and Network, 2013, 05, 36-41.	0.8	1
108	Quasi-cyclic Random Projection Code and Hardware Implementation. Communications and Network, 2013, 05, 86-92.	0.8	1

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109	Design and Implementation of DSP Cache. , 2021, , .		1
110	An alternative cross-fusiform search algorithm for fast block matching motion. , 2013, , .		0
111	Design and Implementation for GPU-based seamless rate adaptive decoder. , 2014, , .		0
112	A compilation method for zero overhead loop in DSPs with VLIW. , 2017, , .		0
113	Optimal DoF Region of MIMO Y Channel with Hybrid Data Exchanges. , 2018, , .		0
114	The Design of Soft Base Station Based on Docker. , 2018, , .		0
115	Indoor Localization Design and Implementation Based on Software Defined Radio. , 2018, , .		0
116	COQRC: A Rateless Video Transmission Solution. , 2018, , .		0
117	Hardware Implementation of a Pseudo-Analog Wireless Video Transmission System. , 2019, , .		0
118	Editorial: Multimedia and Social Data Processing in Vehicular Networks. Mobile Networks and Applications, 2020, 25, 620-622.	3.3	0
119	On The Adversarial Robustness of Principal Component Analysis. , 2021, , .		0
120	Joint Design of Beamforming and Edge Caching in Fog Radio Access Networks. Security and Communication Networks, 2021, 2021, 1-8.	1.5	0
121	Improving Capacity and Delay in Directional Hybrid Wireless Networks with Range Extension. International Journal of Distributed Sensor Networks, 2015, 11, 842871.	2.2	0
122	A Real-time Virtual Reality Adaptive Streaming System. , 2020, , .		0
123	A Blockchain Based Automatic Access Scheme Design and Implement for Small Cell Base Station. , 2021, , .		0
124	DSP Assembler Auto-Generation Technique and ToolChain Integration. , 2021, , .		0