

Yuhao Wang

List of Publications by Year in descending order

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137
papers

1,945
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279487

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39
g-index

137
all docs

137
docs citations

137
times ranked

2229
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile Edge Computing in Unmanned Aerial Vehicle Networks. IEEE Wireless Communications, 2020, 27, 140-146.	6.6	169
2	State of the Art, Taxonomy, and Open Issues on Cognitive Radio Networks with NOMA. IEEE Wireless Communications, 2018, 25, 100-108.	6.6	166
3	Energy-Efficient NOMA Enabled Heterogeneous Cloud Radio Access Networks. IEEE Network, 2018, 32, 152-160.	4.9	103
4	Resource Allocation for a UAV-Enabled Mobile-Edge Computing System: Computation Efficiency Maximization. IEEE Access, 2019, 7, 113345-113354.	2.6	77
5	Fuzzy theoretic approach to signals and systems: Static systems. Information Sciences, 2017, 418-419, 668-702.	4.0	71
6	BER Analysis of NOMA-Enabled Visible Light Communication Systems With Different Modulations. IEEE Transactions on Vehicular Technology, 2019, 68, 10807-10821.	3.9	62
7	Resource Allocation in Wireless Powered Cognitive Radio Networks Based on a Practical Non-Linear Energy Harvesting Model. IEEE Access, 2017, 5, 17618-17626.	2.6	61
8	Multi-Objective Resource Allocation in a NOMA Cognitive Radio Network With a Practical Non-Linear Energy Harvesting Model. IEEE Access, 2018, 6, 12973-12982.	2.6	59
9	Simultaneous Lightwave Information and Power Transfer in Visible Light Communication Systems. IEEE Transactions on Wireless Communications, 2019, 18, 5818-5830.	6.1	47
10	Robust Max-Min Fairness Resource Allocation in Sensing-Based Wideband Cognitive Radio With SWIPT: Imperfect Channel Sensing. IEEE Systems Journal, 2018, 12, 2361-2372.	2.9	43
11	GcsDecolor: Gradient Correlation Similarity for Efficient Contrast Preserving Decolorization. IEEE Transactions on Image Processing, 2015, 24, 2889-2904.	6.0	42
12	Computation Efficiency Maximization in OFDMA-Based Mobile Edge Computing Networks. IEEE Communications Letters, 2020, 24, 159-163.	2.5	40
13	Robust Resource Allocation for MISO Cognitive Radio Networks Under Two Practical Non-Linear Energy Harvesting Models. IEEE Communications Letters, 2018, 22, 1874-1877.	2.5	39
14	Intelligent Fault Diagnosis of HVCB with Feature Space Optimization-Based Random Forest. Sensors, 2018, 18, 1221.	2.1	36
15	Mechanism and Experiment of Planar Electrode Sensors in Water Pollutant Measurement. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 516-523.	2.4	32
16	Dynamic Spectrum Management via Machine Learning: State of the Art, Taxonomy, Challenges, and Open Research Issues. IEEE Network, 2019, 33, 54-62.	4.9	28
17	Semi-Parametric Decolorization with Laplacian-based Perceptual Quality Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	5.6	27
18	Three Passive TDOA-AOA Receivers Based Flying-UAV Positioning in Extreme Environments. IEEE Sensors Journal, 2020, , 1-1.	2.4	27

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19	A terahertz signal propagation model in hypersonic plasma sheath with different flight speed. Physics of Plasmas, 2019, 26, .	0.7	26
20	Beamforming Design for Secure MISO Visible Light Communication Networks With SLIPT. IEEE Transactions on Communications, 2020, 68, 7795-7809.	4.9	26
21	Multi-Channel and Multi-Model-Based Autoencoding Prior for Grayscale Image Restoration. IEEE Transactions on Image Processing, 2020, 29, 142-156.	6.0	25
22	University studentsâ€™ use of music for learning and well-being: A qualitative study and design implications. Information Processing and Management, 2021, 58, 102409.	5.4	25
23	FFDNet-Based Channel Estimation for Massive MIMO Visible Light Communication Systems. IEEE Wireless Communications Letters, 2020, 9, 340-343.	3.2	24
24	Resource Allocation and Trajectory Design in UAV-Assisted Jamming Wideband Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 635-647.	4.9	24
25	Finite-element modeling of soft solids with liquid inclusions. Extreme Mechanics Letters, 2016, 9, 147-157.	2.0	23
26	Log-Euclidean Metrics for Contrast Preserving Decolorization. IEEE Transactions on Image Processing, 2017, 26, 5772-5783.	6.0	23
27	Zeroth-Order-Mode Circular Microstrip Antenna With Patch-Like Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 446-449.	2.4	22
28	Gradient-based low rank method and its application in image inpainting. Multimedia Tools and Applications, 2018, 77, 5969-5993.	2.6	22
29	Resource Allocation in Wideband Cognitive Radio with SWIPT: Max-Min Fairness Guarantees. , 2016, , .		21
30	Reference Information Based Remote Sensing Image Reconstruction with Generalized Nonconvex Low-Rank Approximation. Remote Sensing, 2016, 8, 499.	1.8	20
31	Subcarrier Assignment Schemes Based on Q-Learning in Wideband Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1168-1172.	3.9	20
32	A Novel Low-Power Multifunctional Ionospheric Sounding System. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1252-1259.	2.4	17
33	Sub-THz signalsâ€™ propagation model in hypersonic plasma sheath under different atmospheric conditions. Science China Information Sciences, 2017, 60, 1.	2.7	17
34	Extended RGB2Gray conversion model for efficient contrast preserving decolorization. Multimedia Tools and Applications, 2017, 76, 14055-14074.	2.6	16
35	Performance Evaluation of Routing Protocol in VANET with Vehicle-Node Density. , 2010, , .		15
36	Photon-Counting Underwater Optical Wireless Communication for Reliable Video Transmission Using Joint Source-Channel Coding Based on Distributed Compressive Sensing. Sensors, 2019, 19, 1042.	2.1	15

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37	Trajectory design and resource allocation for UAV energy minimization in a rotary-wing UAV-enabled WPCN. AEJ - Alexandria Engineering Journal, 2021, 60, 1787-1796.	3.4	15
38	Dynamic propagation characteristics estimation and tracking based on an EM-EKF algorithm in time-variant MIMO channel. Information Sciences, 2017, 408, 70-83.	4.0	14
39	Photon-Counting Underwater Wireless Optical Communication by Recovering Clock and Data From Discrete Single Photon Pulses. IEEE Photonics Journal, 2019, 11, 1-15.	1.0	14
40	A Novel Inversion Method for Outdoor Coverage Prediction in Wireless Cellular Network. IEEE Transactions on Vehicular Technology, 2010, 59, 36-47.	3.9	13
41	Chaotic Phase-Coded Waveforms With Space-Time Complementary Coding for MIMO Radar Applications. IEEE Access, 2018, 6, 42066-42083.	2.6	13
42	A New Fast Factorized Back Projection Algorithm for Bistatic Forward-Looking SAR Imaging Based on Orthogonal Elliptical Polar Coordinate. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1508-1520.	2.3	13
43	Cooperative Jamming-Aided Secure Wireless Powered Communication Networks: A Game Theoretical Formulation. IEEE Communications Letters, 2020, 24, 1081-1085.	2.5	12
44	A Multi-Bit Identification Protocol for RFID Tag Reading. IEEE Sensors Journal, 2013, 13, 3527-3536.	2.4	11
45	A two-stage convolutional sparse prior model for image restoration. Journal of Visual Communication and Image Representation, 2017, 48, 268-280.	1.7	11
46	The Maximum Rank of the Transfer Matrix in 1-D Mirrored Interferometric Aperture Synthesis. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1580-1583.	1.4	11
47	Amplify-and-forward-based cooperative jamming strategy with power allocation for secure communication. International Journal of Communication Systems, 2015, 28, 1621-1627.	1.6	10
48	A Dictionary Learning Method with Total Generalized Variation for MRI Reconstruction. International Journal of Biomedical Imaging, 2016, 2016, 1-13.	3.0	10
49	Radio frequency interference mitigation in OFDM based passive bistatic radar. AEU - International Journal of Electronics and Communications, 2016, 70, 70-76.	1.7	10
50	A Self-Adaptive and Wide-Range Conductivity Measurement Method Based on Planar Interdigital Electrode Array. IEEE Access, 2019, 7, 173157-173165.	2.6	10
51	Physical Model-Inspired Deep Unrolling Network for Solving Nonlinear Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2022, 70, 1236-1249.	3.1	10
52	EHF Wave Propagation in the Plasma Sheath Enveloping Sharp-Coned Hypersonic Vehicle. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 978-982.	2.4	10
53	Secure EE maximisation in green CR: guaranteed SC. IET Communications, 2017, 11, 2507-2513.	1.5	9
54	Effects of donor and acceptor's fluorescence lifetimes on the method of applying Förster resonance energy transfer in STED microscopy. Journal of Microscopy, 2018, 269, 59-65.	0.8	9

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55	BER Analysis for NOMA-Enabled Visible Light Communication Systems with M-PSK. , 2018, , .		9
56	A Novel Measurement-Based Algorithm for Coverage Prediction of Urban and Suburban Cells in Wireless Networks. IEEE Transactions on Antennas and Propagation, 2006, 54, 3138-3142.	3.1	8
57	Efficient InSAR Phase Noise Reduction via Compressive Sensing in the Complex Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1615-1632.	2.3	8
58	Performance Analysis on Visible Light Communications With Multi-Eavesdroppers and Practical Amplitude Constraint. IEEE Communications Letters, 2019, 23, 2292-2295.	2.5	8
59	Dual-branch dense residual network for hyperspectral imagery classification. International Journal of Remote Sensing, 2020, 41, 2581-2602.	1.3	8
60	Learning multi-denoising autoencoding priors for image super-resolution. Journal of Visual Communication and Image Representation, 2018, 57, 152-162.	1.7	7
61	A hybrid neural network for hyperspectral image classification. Remote Sensing Letters, 2020, 11, 96-105.	0.6	7
62	Performance Analysis of Bidirectional AF Based Cooperative Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2274-2279.	3.9	7
63	RNMF-Guided Deep Network for Signal Separation of GPR Without Labeled Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
64	Instability Mechanisms for the F&ERegion Plasma Irregularities Inside the Midlatitude Ionospheric Trough: Swarm Observations. Space Weather, 2021, 19, e2021SW002785.	1.3	7
65	Inorganic Material Detection Based on Electrode Sensor. IEEE Sensors Journal, 2016, 16, 4147-4148.	2.4	6
66	A New Indoor Localization Method Based on Inversion Propagation Model. , 2010, , .		5
67	Sampling Time Adaptive Single-Photon Compressive Imaging. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	5
68	Performance Analysis of AF Relays with Maximal Ratio Combining in Nakagami- m Fading Environments. Wireless Communications and Mobile Computing, 2019, 2019, 1-11.	0.8	5
69	Barrier Coverage Quality Improvement for AI-Based Passive Bistatic Radar Networks. IEEE Sensors Journal, 2021, 21, 25379-25390.	2.4	5
70	Efficient Fast Time-Domain Processing Framework for Airborne Bistatic SAR Continuous Imaging Integrated With Data-Driven Motion Compensation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	5
71	A Hybrid MAC Mechanism for Multiple Load Intelligent Vehicle Transportation Network. International Journal on Smart Sensing and Intelligent Systems, 2011, 4, 662-674.	0.4	5
72	Time Frequency Representations for Classification of Landmine Using UWB Impulse GPR. , 2008, , .		4

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73	SER Optimization of OFDM Based AF Relaying in the Presence of AWGGN. IEEE Access, 2017, 5, 3149-3156.	2.6	4
74	Artificial noise-aided secure communication in a bidirectional relaying network. International Journal of Communication Systems, 2018, 31, e3464.	1.6	4
75	Single-Photon Reflectivity and Depth Imaging by Continuous Measurement of Arrival Time of Photons. IEEE Photonics Journal, 2019, 11, 1-14.	1.0	4
76	Performance Analysis of AF Relaying With Selection Combining in Nakagami- m Fading. IEEE Systems Journal, 2019, 13, 2375-2385.	2.9	4
77	Transformed denoising autoencoder prior for image restoration. Journal of Visual Communication and Image Representation, 2020, 72, 102927.	1.7	4
78	Performance Analysis of Hybrid Radio Frequency and Free Space Optical Communication Networks with Cooperative Spectrum Sharing. Photonics, 2021, 8, 108.	0.9	4
79	Deep frequency-recurrent priors for inverse imaging reconstruction. Signal Processing, 2022, 190, 108320.	2.1	4
80	Cluster-based Routing Performance Optimization Constraint of Energy, Delay and Connectivity Metrics in Wireless Sensor Network. International Journal on Smart Sensing and Intelligent Systems, 2013, 6, 2103-2118.	0.4	4
81	A Wireless Cellular Network Optimization Platform Based on Inversion Propagation Model and GIS. , 2010, , .		3
82	An Experimental Vehicular Wireless System and Link Performance Analysis. IEEE/ASME Transactions on Mechatronics, 2012, 17, 508-518.	3.7	3
83	Resource allocation for OFDM-based improved DF relaying. IET Communications, 2017, 11, 2768-2774.	1.5	3
84	Multi-objective resource allocation in NOMA cognitive radios based on a practical non-linear energy harvesting model. , 2017, , .		3
85	On-road feature detection and fountain-coded data dissemination in vehicular ad-hoc networks. , 2017, , .		3
86	Sparse Representation Based Range-Doppler Processing for Integrated OFDM Radar-Communication Networks. International Journal of Antennas and Propagation, 2017, 2017, 1-12.	0.7	3
87	Adaptive Single Photon Compressed Imaging Based on Constructing a Smart Threshold Matrix. Sensors, 2018, 18, 3449.	2.1	3
88	Nonlinear Electromagnetic Inverse Scattering Imaging Based on IN-LSQR. International Journal of Antennas and Propagation, 2018, 2018, 1-9.	0.7	3
89	Optimal Relay Deployment in Bidirectional AF Relaying Systems. IEEE Access, 2019, 7, 121574-121585.	2.6	3
90	Using Polar Codes in NOMA-Enabled Visible Light Communication Systems. , 2019, 3, 1-4.		3

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91	Constrained Transmit Beampattern Design Using a Correlated LFM-PC Waveform Set in MIMO Radar. Sensors, 2020, 20, 773.	2.1	3
92	Progressive Colorization via Iterative Generative Models. IEEE Signal Processing Letters, 2020, 27, 2054-2058.	2.1	3
93	A Novel 3D Node Deployment Inspired by Dusty Plasma Crystallization in UAV-Assisted Wireless Sensor Network Applications. Sensors, 2021, 21, 7576.	2.1	3
94	Propagation Characteristics of Modulated EHF Signal in the Wake Region of Plasma Sheath. Aerospace, 2022, 9, 194.	1.1	3
95	Numerical modeling on the bit error rate of EHF communication in time-varying hypersonic plasma sheath. AIP Advances, 2022, 12, .	0.6	3
96	Wrapper approach for feature subset selection using GA. , 2007, , .		2
97	Smart Sensing Strategy for Wireless Channel Based on Sequence Characterizes Matching Method. , 2010, , .		2
98	Extended Sum-of-Sinusoids-Based Simulation for Rician Fading Channels in Vehicular Ad Hoc Networks. International Journal of Wireless Information Networks, 2012, 19, 147-157.	1.8	2
99	A Segment Collision Inversion Protocol for RFID Tag Reading. IEEE Communications Letters, 2013, 17, 2008-2011.	2.5	2
100	Adaptive Radio Frequency Interference Mitigation for Passive Bistatic Radar Using OFDM Waveform. International Journal of Antennas and Propagation, 2016, 2016, 1-6.	0.7	2
101	Low angle estimation with colored noise in bi-static MIMO radar. , 2016, , .		2
102	Average SEP of AF Relaying in Nakagami- m Fading Environments. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	0.8	2
103	Iterative Adaptive Photon-Counting Compressive Imaging Based on Wavelet Entropy Automatic Threshold Acquisition. IEEE Photonics Journal, 2019, 11, 1-13.	1.0	2
104	Bi-path network coupling for single image super-resolution. Multimedia Tools and Applications, 2019, 78, 21981-21998.	2.6	2
105	Design and Implementation of an Atmospheric Anion Monitoring System Based on Beidou Positioning. Sensors, 2021, 21, 6174.	2.1	2
106	Range-Doppler Spectrograms-Based Clutter Suppression of HF Passive Bistatic Radar by D-CycleGAN. IEEE Sensors Journal, 2021, 21, 26006-26013.	2.4	2
107	First-Order Peaks Determination for Direction-Finding High-Frequency Radar. Journal of Marine Science and Engineering, 2021, 9, 8.	1.2	2
108	Distribution Characteristics of the Plasma Irregularities Inside the Mid-Latitude Ionospheric Trough Based on Swarm In Situ Measurements. Space Weather, 2022, 20, .	1.3	2

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109	Statistical Properties Evaluation on Rayleigh VANET Fading Channels. , 2010, , .		1
110	A novel low power multifunctional ionospheric sounding system. , 2011, , .		1
111	A miniaturized dual-band microstrip patch antenna using a symmetrical composite right/left handed unit. Microwave and Optical Technology Letters, 2017, 59, 3069-3073.	0.9	1
112	Bi-iterative MVDR Beamforming based on BeamSpace Preprocessing for MIMO radars. , 2018, , .		1
113	Joint Range-Doppler-Angle Estimation for OFDM-Based RadCom System via Tensor Decomposition. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	1
114	Measurement Matrix Construction for Large-area Single Photon Compressive Imaging. Sensors, 2019, 19, 474.	2.1	1
115	Array Factor Forming With Regularization for Aperture Synthesis Radiometric Imaging With an Irregularly Distributed Array. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 97-101.	1.4	1
116	Range-Doppler Spectrograms-Based Graph-Relational Mapping for Clutter Rejection in HF Passive Radar. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	1
117	Design and characteristic analysis of hybrid OFDM-LFM-PC waveforms in the MIMO radar. Journal of Engineering, 2019, 2019, 5868-5872.	0.6	1
118	Design and analysis of frequency division phase-coded waveforms for MIMO over-the-horizon radars. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	1
119	Secure Beamforming Designs in MISO Visible Light Communication Networks with SLIPT. , 2020, , .		1
120	A Flexible Business Alliance Model for the Emerging UMTS Network Operators. , 2007, , .		0
121	An Enhanced Inversion Propagation Model Using Simple Genetic Algorithm for a Single Cell Coverage Prediction. , 2007, , .		0
122	Enhanced Signal-Strength-Difference Position Method Based on an Inversion Propagation Model in Cellular Network. , 2008, , .		0
123	Implementation of Large Number of Buildings Based on OpenGL. , 2009, , .		0
124	A New Design and Application of Time Shift TV. , 2009, , .		0
125	Experimental characterization of packet-level for vehicular wireless network in urban. , 2011, , .		0
126	A Novel Feature-Level Data Fusion Method for Indoor Autonomous Localization. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	0

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127	Distributed Intelligent Monitoring System for Water Environment. Smart Sensors, Measurement and Instrumentation, 2015, , 129-158.	0.4	0
128	A novel 3D imaging method based on orthogonal-track SAR. , 2016, , .		0
129	Experimental Verification of One-Dimensional Mirrored Aperture Synthesis. , 2018, , .		0
130	SIMULATION-DRIVEN DESIGN FOR A HYBRID LUMPED AND DISTRIBUTED DUAL-BAND STUB USING INPUT AND OUTPUT SPACE MAPPING. Progress in Electromagnetics Research M, 2018, 76, 133-141.	0.5	0
131	A continual beam scanning periodic composite right/left handed leaky wave antenna with the openâ€stopband suppressed. Microwave and Optical Technology Letters, 2019, 61, 2463-2467.	0.9	0
132	Exact Performance Analysis of Amplify-and-Forward Bidirectional Relaying over Nakagami-m Fading Channels with Arbitrary Parameters. Energies, 2019, 12, 1277.	1.6	0
133	Data-Intensive Computing Acceleration with Python in Xilinx FPGA. Lecture Notes in Computer Science, 2019, , 111-124.	1.0	0
134	Exploiting big.LITTLE Batteries for Software Defined Management on Mobile Devices. IEEE Transactions on Mobile Computing, 2022, 21, 1998-2012.	3.9	0
135	Binary Sequences with Good Aperiodic Autocorrelations Using Cross-Entropy Method. Lecture Notes in Computer Science, 2009, , 381-385.	1.0	0
136	An Efficient Response Distribution Function for 3D MIMO Channel Modeling from a Scatterer View. International Journal of Future Generation Communication and Networking, 2016, 9, 83-104.	0.7	0
137	Evaluation of BER for the EHF Communication System Serving Sharp-Coned Reentry Vehicles. Frontiers in Earth Science, 0, 10, .	0.8	0