

# Yi Jiang

## List of Publications by Year in descending order

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82  
papers

2,099  
citations

430874

18  
h-index

243625

44  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium-plasmon-based low-powered dynamic color display. National Science Review, 2023, 10, .	9.5	8
2	Optimal Zero-Forcing Hybrid Downlink Precoding for Sum-Rate Maximization. IEEE Wireless Communications Letters, 2022, 11, 463-467.	5.0	6
3	Tx-Rx Reciprocity Calibration for Hybrid Massive MIMO Systems. IEEE Wireless Communications Letters, 2022, 11, 431-435.	5.0	3
4	Black-Box Adversarial Attacks against Audio Forensics Models. Security and Communication Networks, 2022, 2022, 1-8.	1.5	2
5	Distributed Learning for MIMO Relay Networks. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 343-357.	10.8	7
6	Three-Dimensional Cooperative Positioning for Internet of Things Provenance. IEEE Internet of Things Journal, 2022, 9, 19945-19958.	8.7	3
7	Novel Recommendation-Based Approach for Multidisciplinary Development of Future Universities. Sustainability, 2022, 14, 5881.	3.2	1
8	Over-the-Air Calibration of Phase Shifter Network for Hybrid MIMO Systems. IEEE Transactions on Signal Processing, 2022, 70, 3456-3467.	5.3	5
9	Hybrid Beamforming Optimization for DOA Estimation Based on the CRB Analysis. IEEE Signal Processing Letters, 2021, 28, 1490-1494.	3.6	5
10	Hybrid Interference Mitigation Using Analog Prewhitening. IEEE Transactions on Wireless Communications, 2021, 20, 6595-6605.	9.2	6
11	Construction of Golay Complementary Matrices and Its Applications to MIMO Omnidirectional Transmission. IEEE Transactions on Signal Processing, 2021, 69, 2100-2113.	5.3	18
12	Phase Rotations of SVD-Based Precoders in MIMO-OFDM for Improved Channel Estimation. IEEE Wireless Communications Letters, 2021, 10, 1805-1809.	5.0	6
13	Efficient RIS Channel Estimation and Projection Using Zadoff-Chu Sequences. , 2021, , .		1
14	Neural Network-Assisted Robust Symbol Detection Under Intersymbol Interference. , 2021, , .		2
15	An Efficient Precoding Algorithm for Reconfigurable Intelligent Surface-Based MIMO Communications. , 2021, , .		2
16	Joint Estimation of Velocity, Angle-of-Arrival and Range (JEVAR) Using a Conjugate Pair of Zadoff-Chu Sequences. IEEE Transactions on Signal Processing, 2021, 69, 6009-6022.	5.3	6
17	A Novel Scheme for Joint Estimation of Velocity, Angle-of-arrival and Range in Multipath Environment. , 2021, , .		0
18	Over-The-Air Calibration of Phase Shifter Network for Hybrid MIMO Systems. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	A Distributed MIMO Relay Scheme Inspired by Backpropagation Algorithm. , 2021, , .		3
20	Comparative genomics analysis of Raoultella planticola S25 isolated from duck in China, with florfenicol resistance. Comparative Immunology, Microbiology and Infectious Diseases, 2020, 68, 101398.	1.6	5
21	Clock Synchronization in Wireless Networks Using Matrix Completion-Based Maximum Likelihood Estimation. IEEE Transactions on Wireless Communications, 2020, 19, 8220-8231.	9.2	4
22	Calibration of Phase Shifter Network for Hybrid Beamforming in mmWave Massive MIMO Systems. IEEE Transactions on Signal Processing, 2020, 68, 2302-2315.	5.3	23
23	A Nonlinear Relay Scheme Resilient to Interference with Unknown CSI. , 2020, , .		1
24	Omnidirectional Precoding for Massive MIMO With Uniform Rectangular Arrayâ€™Part II: Numerical Optimization Based Schemes. IEEE Transactions on Signal Processing, 2019, 67, 4772-4781.	5.3	15
25	Omnidirectional Precoding for Massive MIMO With Uniform Rectangular Arrayâ€™Part I: Complementary Codes-Based Schemes. IEEE Transactions on Signal Processing, 2019, 67, 4761-4771.	5.3	21
26	Calibration of Phase Shifter Network for Hybrid Beamforming in mmWave Massive MIMO Systems. , 2019, , .		3
27	Blind Channel Subspace Estimation for Massive MIMO with Hybrid Beamforming. , 2019, , .		0
28	Autocorrelation Complementary Matrices. , 2019, , .		6
29	Hybrid Precoding for Massive MIMO Systems Using Partially-Connected Phase Shifter Network. , 2019, , .		4
30	Online Calibration of Phase Shifter Network for mmWave Massive MIMO Systems in Multipath Channels. , 2019, , .		0
31	Hybrid Beamforming for Massive MIMO: A Unified Solution for Both Phase Shifter and Switch Networks. , 2018, , .		8
32	Omnidirectional Beamforming Based on Complete Complementary Codes for Uniform Rectangular Array. , 2018, , .		4
33	Omnidirectional Transmit Beamforming for Massive MIMO with Uniform Rectangular Array. , 2018, , .		2
34	A Practical Approach to Joint Timing, Frequency Synchronization and Channel Estimation for Concurrent Transmissions in a MANET. IEEE Transactions on Wireless Communications, 2017, 16, 3461-3475.	9.2	11
35	Semidefinite programming based omnidirectional beamforming for massive MIMO. , 2017, , .		5
36	Maximum likelihood network localization using range estimation and GPS measurements. , 2017, , .		0

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37	A unified approach to the design of IIR and FIR notch filters. , 2016, , .		2
38	Initial acquisition for MANET with simultaneous transmissions. , 2015, , .		1
39	A Concurrent CSMA MAC protocol for Mobile Ad Hoc Networks using beamnulling. , 2015, , .		1
40	Novel electrochemi-/photo-luminescence of Ag <sub>3</sub> Cu <sub>5</sub> heterometallic alkynyl clusters. Dalton Transactions, 2015, 44, 3941-3944.	3.3	21
41	New Cyclic Depsipeptide from an Endophytic Actinomycete. Chemistry of Natural Compounds, 2015, 51, 926-928.	0.8	0
42	Diastaphenazine, a new dimeric phenazine from an endophytic Streptomyces diastaticus subsp. ardesiacus. Journal of Antibiotics, 2015, 68, 210-212.	2.0	27
43	Improving Spectral Efficiency of MIMO Ad Hoc Network via Greedy MCS Packing. , 2014, , .		1
44	PHY and MAC Design for Distributed Tx-Rx beamforming in Mobile Ad Hoc Networks. , 2014, , .		4
45	Optimum beamforming for MIMO multicasting. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	4
46	Notched spectrum: from probing waveforms to receive filters. , 2013, , .		0
47	Iterative Computation of FIR MIMO MMSE-DFE With Flexible Complexity-Performance Tradeoff. IEEE Transactions on Signal Processing, 2013, 61, 2394-2404.	5.3	5
48	Transmit beamforming for MIMO multicast channels. , 2012, , .		7
49	Preparation and properties of polyurethane/multiwalled carbon nanotube nanocomposites by a spray drying process. Journal of Applied Polymer Science, 2012, 126, 789-795.	2.6	8
50	Effect of annealing treatment on the structure and properties of polyurethane/multiwalled carbon nanotube nanocomposites. Journal of Applied Polymer Science, 2012, 126, 845-852.	2.6	25
51	Ellipse Expanding Method for Minimum Distance-Based MIMO Precoder. IEEE Communications Letters, 2012, 16, 490-493.	4.1	6
52	Performance Analysis of ZF and MMSE Equalizers for MIMO Systems: An In-Depth Study of the High SNR Regime. IEEE Transactions on Information Theory, 2011, 57, 2008-2026.	2.4	462
53	Functional membranes prepared by layer-by-layer assembly and its metal ions adsorption property. Polymers for Advanced Technologies, 2011, 22, 2509-2516.	3.2	18
54	Downlink Transmit Power Calibration for Enterprise Femtocells. , 2011, , .		11

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55	Scale-up of BDD anode system for electrochemical oxidation of phenol simulated wastewater in continuous mode. <i>Journal of Hazardous Materials</i> , 2010, 184, 493-498.	12.4	48
56	Effect of nitro substituent on electrochemical oxidation of phenols at boron-doped diamond anodes. <i>Chemosphere</i> , 2010, 78, 1093-1099.	8.2	40
57	Mobility and Capacity Offload for 3G UMTS Femtocells. , 2009, , .		7
58	The RF-chain limited mimo system- part I: optimum diversity-multiplexing tradeoff. <i>IEEE Transactions on Wireless Communications</i> , 2009, 8, 5238-5247.	9.2	29
59	Spatial Multiplexing Architectures with Jointly Designed Rate-Tailoring and Ordered BLAST Decoding - Part I: Diversity-Multiplexing Tradeoff Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2008, 7, 3252-3261.	9.2	28
60	Spatial Multiplexing Architectures with Jointly Designed Rate-Tailoring and Ordered BLAST Decoding Part-II: A Practical Method for Rate and Power Allocation. <i>IEEE Transactions on Wireless Communications</i> , 2008, 7, 3626-3271.	9.2	7
61	Diversity-Multiplexing Tradeoff of MIMO Systems with Antenna Selection. , 2007, , .		13
62	Extended Uniform Channel Decomposition for MIMO Communications with Intersymbol Interference. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007, , .	0.0	14
63	Precoder Optimization for Nonlinear MIMO Transceiver Based on Arbitrary Cost Function. , 2007, , .		15
64	The generalized triangular decomposition. <i>Mathematics of Computation</i> , 2007, 77, 1037-1057.	2.1	78
65	Decision Feedback Based Transceiver Optimization for MIMO Intersymbol Interference Channels. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007, , .	0.0	2
66	MIMO Transceiver Design via Majorization Theory. <i>Foundations and Trends in Communications and Information Theory</i> , 2007, 3, 331-551.	3.1	233
67	Tunable Channel Decomposition for MIMO Communications Using Channel State Information. <i>IEEE Transactions on Signal Processing</i> , 2006, 54, 4405-4418.	5.3	37
68	Radio Frequency Interference Suppression for Landmine Detection by Quadrupole Resonance. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006, 2006, 1.	1.7	10
69	Efficient Closed-Loop Schemes for MIMO-OFDM-Based WLANs. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006, 2006, 1.	1.7	6
70	Diversity-Multiplexing Tradeoff of GMD/UCD with Antenna Selection. , 2006, , .		0
71	A Novel Spatial Multiplexing Architecture with Finite Rate Feedback. , 2006, , .		9
72	The geometric mean decomposition. <i>Linear Algebra and Its Applications</i> , 2005, 396, 373-384.	0.9	116

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73	Crystallographic determination of stereochemistry of biologically active 2,3-dibromo-7-epi-10-deacetylcephalomannine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 839-842.	2.2	9
74	Preparation and evaluation of new brominated paclitaxel analogues. <i>Journal of Asian Natural Products Research</i> , 2005, 7, 231-236.	1.4	0
75	Asymptotic performance analysis of V-BLAST. , 2005, , .		33
76	Uniform channel decomposition for MIMO communications. <i>IEEE Transactions on Signal Processing</i> , 2005, 53, 4283-4294.	5.3	200
77	On MIMO channel capacity: an intuitive discussion. <i>IEEE Signal Processing Magazine</i> , 2005, 22, 83-84.	5.6	20
78	Joint transceiver design for MIMO communications using geometric mean decomposition. <i>IEEE Transactions on Signal Processing</i> , 2005, 53, 3791-3803.	5.3	279
79	Array Signal Processing in the Known Waveform and Steering Vector Case. <i>IEEE Transactions on Signal Processing</i> , 2004, 52, 23-35.	5.3	64
80	Array signal processing for QR. , 0, , .		1
81	Efficient Closed-Loop Schemes for MIMO WLAN. , 0, , .		2
82	Capacity-approaching transceiver design for asymmetric UWB links. , 0, , .		0