Given Names Deactivated Family Name

List of Publications by Year
in descending order

34 papers	1,218 citations	430442 18 h-index	395343 33 g-index
34 all docs	34 docs citations	34 times ranked	894 citing authors

#	Article	IF	Citations
1	A General Robust Linear Transceiver Design for Multi-Hop Amplify-and-Forward MIMO Relaying Systems. IEEE Transactions on Signal Processing, 2013, 61, 1196-1209.	3.2	181
2	Matrix-Monotonic Optimization for MIMO Systems. IEEE Transactions on Signal Processing, 2015, 63, 334-348.	3.2	158
3	Transceiver Optimization for Multi-Hop Communications With Per-Antenna Power Constraints. IEEE Transactions on Signal Processing, 2016, 64, 1519-1534.	3.2	145
4	How to understand linear minimum mean‐square‐error transceiver design for multiple‐input–multiple‐output systems from quadratic matrix programming. IET Communications, 2013, 7, 1231-1242.	1.5	88
5	Millimeter-Wave Secrecy Beamforming Designs for Two-Way Amplify-and-Forward MIMO Relaying Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2059-2071.	3.9	67
6	New Viewpoint and Algorithms for Water-Filling Solutions in Wireless Communications. IEEE Transactions on Signal Processing, 2020, 68, 1618-1634.	3.2	53
7	Beamforming Optimization for Intelligent Reflecting Surface-Aided SWIPT IoT Networks Relying on Discrete Phase Shifts. IEEE Internet of Things Journal, 2021, 8, 8585-8602.	5.5	46
8	Beamspace Precoding and Beam Selection for Wideband Millimeter-Wave MIMO Relying on Lens Antenna Arrays. IEEE Transactions on Signal Processing, 2019, 67, 6301-6313.	3.2	39
9	A Framework for Transceiver Designs for Multi-Hop Communications With Covariance Shaping Constraints. IEEE Transactions on Signal Processing, 2015, 63, 3930-3945.	3.2	38
10	A Framework on Hybrid MIMO Transceiver Design Based on Matrix-Monotonic Optimization. IEEE Transactions on Signal Processing, 2019, 67, 3531-3546.	3.2	37
11	Optimal Beamforming and Time Allocation for Partially Wireless Powered Sensor Networks With Downlink SWIPT. IEEE Transactions on Signal Processing, 2019, 67, 3197-3212.	3.2	32
12	Unified IRS-Aided MIMO Transceiver Designs via Majorization Theory. IEEE Transactions on Signal Processing, 2021, 69, 3016-3032.	3.2	32
13	Secure Communications for Dual-Polarized MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 4177-4192.	3.2	27
14	Matrix-Monotonic Optimization $-$ Part I: Single-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 738-754.	3.2	27
15	Multi-Antenna Covert Communication via Full-Duplex Jamming Against a Warden With Uncertain Locations. IEEE Transactions on Wireless Communications, 2021, 20, 5467-5480.	6.1	26
16	Throughput Maximization for Intelligent Reflecting Surface Aided MIMO WPCNs With Different DL/UL Reflection Patterns. IEEE Transactions on Signal Processing, 2021, 69, 2706-2724.	3.2	23
17	Majorization-Minimization Aided Hybrid Transceivers for MIMO Interference Channels. IEEE Transactions on Signal Processing, 2020, 68, 4903-4918.	3.2	20
18	Time-Invariant Joint Transmit and Receive Beampattern Optimization for Polarization-Subarray Based Frequency Diverse Array Radar. IEEE Transactions on Signal Processing, 2018, 66, 5364-5379.	3.2	19

#	Article	IF	Citations
19	Secure Wideband Beamforming Design for Two-Way MIMO Relaying Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 3472-3486.	3.9	16
20	Energy Efficient Transmission in Multi-User MIMO Relay Channels With Perfect and Imperfect Channel State Information. IEEE Transactions on Wireless Communications, 2017, 16, 3885-3898.	6.1	15
21	Optimal Training Design for MIMO Systems With General Power Constraints. IEEE Transactions on Signal Processing, 2018, 66, 3649-3664.	3.2	15
22	Matrix-Monotonic Optimization $-$ Part II: Multi-Variable Optimization. IEEE Transactions on Signal Processing, 2021, 69, 179-194.	3.2	14
23	On Weighted MSE Model for MIMO Transceiver Optimization. IEEE Transactions on Vehicular Technology, 2017, 66, 7072-7085.	3.9	13
24	Polarization Sensitive Array Based Physical-Layer Security. IEEE Transactions on Vehicular Technology, 2018, 67, 3964-3981.	3.9	13
25	Hybrid Transceiver Optimization for Multi-Hop Communications. IEEE Journal on Selected Areas in Communications, 2020, 38, 1880-1895.	9.7	13
26	Joint Transceiver Optimization for IRS-Aided MIMO Communications. IEEE Transactions on Communications, 2022, 70, 3467-3482.	4.9	12
27	Robust Energy Efficiency Optimization for Amplify-and-Forward MIMO Relaying Systems. IEEE Transactions on Wireless Communications, 2019, 18, 4326-4343.	6.1	11
28	Analogâ€"Digital Hybrid Transceiver Optimization for Data Aggregation in IoT Networks. IEEE Internet of Things Journal, 2020, 7, 11262-11275.	5.5	10
29	Training Optimization for Subarray-Based IRS-Assisted MIMO Communications. IEEE Internet of Things Journal, 2022, 9, 2890-2905.	5.5	8
30	A Unified MIMO Optimization Framework Relying on the KKT Conditions. IEEE Transactions on Communications, 2021, 69, 7251-7268.	4.9	7
31	Transceiver designs with matrix-version water-filling architecture under mixed power constraints. Science China Information Sciences, 2016, 59, 1.	2.7	5
32	Throughput Maximization for Asynchronous RIS-Aided Hybrid Powered Communication Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4114-4132.	6.1	5
33	Two Timescale Robust Energy-Efficient Precoding for Dual-Polarized MIMO Systems. IEEE Transactions on Communications, 2020, 68, 5575-5589.	4.9	2
34	Robust Superimposed Training Designs for MIMO AF Relaying Channels under Total Power Constraint. , 2018, , .		1