Yu Yao

List of Publications by Year
in descending order

32 papers	162 citations	1163117 8 h-index	1281871 11 g-index
32 all docs	32 docs citations	32 times ranked	97 citing authors

#	ARTICLE	IF	CITATIONS
1	MIMO Radar Design for Extended Target Detection in a Spectrally Crowded Environment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14389-14398.	8.0	13
2	Deep Hybrid Neural Network-Based Channel Equalization in Visible Light Communication. IEEE Communications Letters, 2022, 26, 1593-1597.	4.1	10
3	MIMO Radar Codes/Filter Bank Optimization Design in Clutter Environment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	1
4	Robust Transceiver Design in the Presence of Eclipsing Loss for Spectrally Dense Environments. IEEE Systems Journal, 2021, 15, 4334-4345.	4.6	8
5	Study of the Performance of Deep Learning-Based Channel Equalization for Indoor Visible Light Communication Systems. Photonics, 2021, 8, 453.	2.0	12
6	Performance Analysis of Connectivity Probability between Vehicles and Roadside Units in Cognitive Vehicular Networks. , 2021, , .		1
7	Deep Learning based Nonlinear Equalization for DCO-OFDM Systems. , 2021, , .		1
8	Robust Transceiver Design for Extended Target Detection in a Signal-Dependent Interference Scenario. IEEE Access, 2020, 8, 122292-122303.	4.2	5
9	Adaptive Nonlinear Equalization Combining Sparse Bayesian Learning and Kalman Filtering for Visible Light Communications. Journal of Lightwave Technology, 2020, 38, 6732-6745.	4.6	21
10	Robust Transmit-Receive Optimization Design for Extended Target Detection. , 2020, , .		1
11	Location-Aware Cross-Tier Cooperation for Massive MIMO Heterogeneous Networks. IEEE Wireless Communications Letters, 2020, 9, 1577-1580.	5.0	3
12	Cognitive Waveform Optimization for Phase-Modulation-Based Joint Radar-Communications System. IEEE Access, 2020, 8, 33276-33288.	4.2	9
13	Cognitive Frequency-Hopping Waveform Design for Dual-Function MIMO Radar-Communications System. Sensors, 2020, 20, 415.	3.8	8
14	Optimizing Transmit Sequence and Instrumental Variables Receiver for Dual-Function Complexity System. Complexity, 2020, 2020, 1-13.	1.6	0
15	Study of range-extended target detection performance based optimized EBSPK signals. Cluster Computing, 2019, 22, 6781-6793.	5.0	1
16	Cognitive Design of Radar Waveform and the Receive Filter for Multitarget Parameter Estimation. Journal of Optimization Theory and Applications, 2019, 181, 684-705.	1.5	7
17	Frequency-Hopping Code Design for Target Detection via Optimization Theory. Journal of Optimization Theory and Applications, 2019, 183, 731-756.	1.5	1
18	Doppler Data Association Scheme for Multi-Target Tracking in an Active Sonar System. Sensors, 2019, 19, 2003.	3.8	1

#	Article	IF	Citations
19	Adaptive chaotic MIMO radar based on DPMM clustering and Kalman filtering technique. Chaos, 2019, 29, 113104.	2.5	1
20	Adaptive extended binary phase-shift keying waveform design algorithm for extended target detection. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	4
21	Cognitive Radar Waveform Optimization Based on Mutual Information and Kalman filtering. Entropy, 2018, 20, 653.	2.2	6
22	Cognitive Waveform Design for Radar-Communication Transceiver Networks. Journal of Advanced Transportation, 2018, 2018, 1-11.	1.7	5
23	Adaptive Waveform Design for MIMO Radar-Communication Transceiver. Sensors, 2018, 18, 1957.	3.8	11
24	Waveform Optimization for Target Estimation by Cognitive Radar with Multiple Antennas. Sensors, 2018, 18, 1743.	3.8	12
25	Cognitive radar waveform optimization based on Kalman filtering for target estimation. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	3
26	Power allocation and range performance considerations for a dual-frequency EBPSK/MPPSK system. International Journal of Electronics, 2017, , 1-13.	1.4	0
27	Detection probability of EBPSK-MODEM system. International Journal of Electronics, 2016, 103, 1186-1201.	1.4	1
28	An EBSPK-/MPPSK-Modem Based Transceiver for Radar-Communications. International Journal of Aerospace Engineering, 2015, 2015, 1-9.	0.9	4
29	Maneuvering Target Detection Based on JRC System in Gaussian and Non-Gaussian Clutter. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	3
30	Performance Analysis of Single-Frequency MPPSK Integrated System for Ranging Applications. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	4
31	Ranging performance of single-frequency MPPSK integrated system. , 2014, , .		0
32	Composite Broadcasting and Ranging via a Satellite Dual-Frequency MPPSK System. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	5