

# Yu Yao

## List of Publications by Year in descending order

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32  
papers

162  
citations

1163117

8  
h-index

1281871

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g-index

32  
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32  
docs citations

32  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Nonlinear Equalization Combining Sparse Bayesian Learning and Kalman Filtering for Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2020, 38, 6732-6745.	4.6	21
2	MIMO Radar Design for Extended Target Detection in a Spectrally Crowded Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 14389-14398.	8.0	13
3	Waveform Optimization for Target Estimation by Cognitive Radar with Multiple Antennas. <i>Sensors</i> , 2018, 18, 1743.	3.8	12
4	Study of the Performance of Deep Learning-Based Channel Equalization for Indoor Visible Light Communication Systems. <i>Photonics</i> , 2021, 8, 453.	2.0	12
5	Adaptive Waveform Design for MIMO Radar-Communication Transceiver. <i>Sensors</i> , 2018, 18, 1957.	3.8	11
6	Deep Hybrid Neural Network-Based Channel Equalization in Visible Light Communication. <i>IEEE Communications Letters</i> , 2022, 26, 1593-1597.	4.1	10
7	Cognitive Waveform Optimization for Phase-Modulation-Based Joint Radar-Communications System. <i>IEEE Access</i> , 2020, 8, 33276-33288.	4.2	9
8	Cognitive Frequency-Hopping Waveform Design for Dual-Function MIMO Radar-Communications System. <i>Sensors</i> , 2020, 20, 415.	3.8	8
9	Robust Transceiver Design in the Presence of Eclipsing Loss for Spectrally Dense Environments. <i>IEEE Systems Journal</i> , 2021, 15, 4334-4345.	4.6	8
10	Cognitive Design of Radar Waveform and the Receive Filter for Multitarget Parameter Estimation. <i>Journal of Optimization Theory and Applications</i> , 2019, 181, 684-705.	1.5	7
11	Cognitive Radar Waveform Optimization Based on Mutual Information and Kalman filtering. <i>Entropy</i> , 2018, 20, 653.	2.2	6
12	Composite Broadcasting and Ranging via a Satellite Dual-Frequency MPPSK System. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	1.1	5
13	Cognitive Waveform Design for Radar-Communication Transceiver Networks. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-11.	1.7	5
14	Robust Transceiver Design for Extended Target Detection in a Signal-Dependent Interference Scenario. <i>IEEE Access</i> , 2020, 8, 122292-122303.	4.2	5
15	Performance Analysis of Single-Frequency MPPSK Integrated System for Ranging Applications. <i>Scientific World Journal</i> , The, 2014, 2014, 1-11.	2.1	4
16	An EBSPK-/MPPSK-Modem Based Transceiver for Radar-Communications. <i>International Journal of Aerospace Engineering</i> , 2015, 2015, 1-9.	0.9	4
17	Adaptive extended binary phase-shift keying waveform design algorithm for extended target detection. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	1.3	4
18	Maneuvering Target Detection Based on JRC System in Gaussian and Non-Gaussian Clutter. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Location-Aware Cross-Tier Cooperation for Massive MIMO Heterogeneous Networks. IEEE Wireless Communications Letters, 2020, 9, 1577-1580.	5.0	3
20	Cognitive radar waveform optimization based on Kalman filtering for target estimation. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	3
21	Detection probability of EBPSK-MODEM system. International Journal of Electronics, 2016, 103, 1186-1201.	1.4	1
22	Study of range-extended target detection performance based optimized EBSPK signals. Cluster Computing, 2019, 22, 6781-6793.	5.0	1
23	Frequency-Hopping Code Design for Target Detection via Optimization Theory. Journal of Optimization Theory and Applications, 2019, 183, 731-756.	1.5	1
24	Doppler Data Association Scheme for Multi-Target Tracking in an Active Sonar System. Sensors, 2019, 19, 2003.	3.8	1
25	Adaptive chaotic MIMO radar based on DPMM clustering and Kalman filtering technique. Chaos, 2019, 29, 113104.	2.5	1
26	Robust Transmit-Receive Optimization Design for Extended Target Detection. , 2020, , .		1
27	Performance Analysis of Connectivity Probability between Vehicles and Roadside Units in Cognitive Vehicular Networks. , 2021, , .		1
28	Deep Learning based Nonlinear Equalization for DCO-OFDM Systems. , 2021, , .		1
29	MIMO Radar Codes/Filter Bank Optimization Design in Clutter Environment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	1
30	Ranging performance of single-frequency MPPSK integrated system. , 2014, , .		0
31	Power allocation and range performance considerations for a dual-frequency EBPSK/MPPSK system. International Journal of Electronics, 2017, , 1-13.	1.4	0
32	Optimizing Transmit Sequence and Instrumental Variables Receiver for Dual-Function Complexity System. Complexity, 2020, 2020, 1-13.	1.6	0