

# Zhutian Yang

## List of Publications by Year in descending order

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45  
papers

892  
citations

471509

17  
h-index

477307

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioral Modeling and Linearization of Wideband RF Power Amplifiers Using BiLSTM Networks for 5G Wireless Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10348-10356.	6.3	149
2	Robust Automatic Modulation Classification Under Varying Noise Conditions. IEEE Access, 2017, 5, 19733-19741.	4.2	72
3	WUB-IP: A High-Precision UWB Positioning Scheme for Indoor Multiuser Applications. IEEE Systems Journal, 2019, 13, 279-288.	4.6	57
4	Power and Trajectory Optimization for UAV-Enabled Amplify-and-Forward Relay Networks. IEEE Access, 2018, 6, 48688-48696.	4.2	56
5	A robust modulation classification method using convolutional neural networks. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.7	47
6	Power Consumption Minimization of UAV Relay in NOMA Networks. IEEE Wireless Communications Letters, 2020, 9, 666-670.	5.0	39
7	Trajectory and Communication Design for UAV-Relayed Wireless Networks. IEEE Wireless Communications Letters, 2019, 8, 1600-1603.	5.0	34
8	Robust Radar Emitter Recognition Based on the Three-Dimensional Distribution Feature and Transfer Learning. Sensors, 2016, 16, 289.	3.8	33
9	CRB-RPL: A Receiver-Based Routing Protocol for Communications in Cognitive Radio Enabled Smart Grid. IEEE Transactions on Vehicular Technology, 2017, 66, 5985-5994.	6.3	33
10	Resource Allocation and Trajectory Optimization for UAV-Enabled Multi-User Covert Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 1989-1994.	6.3	30
11	Location Parameter Estimation of Moving Aerial Target in Space-Air-Ground-Integrated Networks-Based IoV. IEEE Internet of Things Journal, 2022, 9, 5696-5707.	8.7	26
12	Joint Power and Trajectory Design for UAV-Relayed Wireless Systems. IEEE Wireless Communications Letters, 2019, 8, 697-700.	5.0	25
13	Secure Transmission via Power Allocation in NOMA-UAV Networks With Circular Trajectory. IEEE Transactions on Vehicular Technology, 2020, 69, 10033-10045.	6.3	23
14	A Global Optimization-Based Routing Protocol for Cognitive-Radio-Enabled Smart Grid AMI Networks. IEEE Systems Journal, 2018, 12, 1015-1023.	4.6	22
15	Green-RPL: An Energy-Efficient Protocol for Cognitive Radio Enabled AMI Network in Smart Grid. IEEE Access, 2018, 6, 18335-18344.	4.2	19
16	Secrecy Outage Probability With Randomly Moving Interferers in Nakagami- $m$ Fading. IEEE Communications Letters, 2019, 23, 76-79.	4.1	19
17	UEE-RPL: A UAV-Based Energy Efficient Routing for Internet of Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 1333-1344.	5.5	18
18	SVM-CNN-Based Fusion Algorithm for Vehicle Navigation Considering Atypical Observations. IEEE Signal Processing Letters, 2019, 26, 212-216.	3.6	17

#	ARTICLE	IF	CITATIONS
19	Blind Modulation Classification for Overlapped Co-Channel Signals Using Capsule Networks. IEEE Communications Letters, 2019, 23, 1849-1852.	4.1	16
20	Proactive Jamming Toward Interference Alignment Networks: Beneficial and Adversarial Aspects. IEEE Systems Journal, 2019, 13, 412-423.	4.6	16
21	Outage probability optimization for UAV-enabled wireless relay networks in fading channels. Physical Communication, 2019, 33, 35-45.	2.1	15
22	Electromagnetic Signal Classification Based on Deep Sparse Capsule Networks. IEEE Access, 2019, 7, 83974-83983.	4.2	14
23	Secrecy Analysis in NOMA Full-Duplex Relaying Networks With Artificial Jamming. IEEE Transactions on Vehicular Technology, 2021, 70, 8781-8794.	6.3	12
24	Moving Target Recognition Based on Transfer Learning and Three-Dimensional Over-Complete Dictionary. IEEE Sensors Journal, 2016, 16, 5671-5678.	4.7	11
25	Modulation Parameter Estimation of LFM Interference for Direct Sequence Spread Spectrum Communication System in Alpha-Stable Noise. IEEE Systems Journal, 2021, 15, 881-892.	4.6	11
26	SACRB-MAC: A High-Capacity MAC Protocol for Cognitive Radio Sensor Networks in Smart Grid. Sensors, 2016, 16, 464.	3.8	10
27	Joint Trajectory and Communication Design for IRS-Assisted UAV Networks. IEEE Wireless Communications Letters, 2022, 11, 1538-1542.	5.0	9
28	Hybrid radar emitter recognition based on rough k-means classifier and SVM. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	8
29	A Joint Multiuser Detection Scheme for UWB Sensor Networks Using Waveform Division Multiple Access. IEEE Access, 2017, 5, 11717-11726.	4.2	8
30	SC-RPL: A Social Cognitive Routing for Communications in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 7682-7690.	11.3	8
31	A Receiver-Based Routing Protocol for Cognitive Radio Enabled AMI Networks. , 2016, , .		7
32	Adaptive Filtering and Temporal Alignment Based Fusion Algorithm for Navigation Systems in the Arctic Region. IEEE Systems Journal, 2019, 13, 2022-2033.	4.6	5
33	Continuous IFF Response Signal Recognition Technology Based on Capsule Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 455-468.	0.3	5
34	Disrupting Anti-Jamming Interference Alignment Sensor Networks with Optimal Signal Design. , 2017, 1, 1-4.		4
35	An Energy-Efficient Routing Protocol for Cognitive Radio Enabled AMI Networks in Smart Grid. , 2017, , .		4
36	Novel Markov channel predictors for interference alignment in cognitive radio network. Wireless Networks, 2018, 24, 1915-1925.	3.0	2

#	ARTICLE	IF	CITATIONS
37	Control Code Multiple Encryption Algorithm on Satellite-to-ground Communication. <i>Mobile Networks and Applications</i> , 2019, 24, 1955-1974.	3.3	2
38	Novel Digital Self-Interference Cancellation with High Dynamic Range in Full-Duplex Communications. , 2017, , .		1
39	Beneficial jamming design for interference alignment networks. , 2017, , .		1
40	Power Allocation for Secure Transmission in Circular Trajectory NOMA-UAV Networks. , 2020, , .		1
41	Further Results on Detection and Channel Estimation for Hardware Impaired Signals. <i>IEEE Transactions on Communications</i> , 2021, , 1-1.	7.8	1
42	Co-channel Modulation Recognition Based on Deep Learning. , 2020, , .		1
43	A Novel Approach of Protocol Behavior Identification for TDMA-Based Frequency Hopping Communication. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-14.	1.2	1
44	ECR-MAC: An energy-efficient and receiver-based MAC protocol for Cognitive Sensor Networks in smart grid. , 2016, , .		0
45	Reliability-Design of Ordered Tree-Based Single-Parity-Check Decoder for Polar Codes Fast List Decoding. <i>IEEE Transactions on Reliability</i> , 2022, , 1-14.	4.6	0