

# Peng Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5803354/publications.pdf>

Version: 2024-02-01

72  
papers

2,308  
citations

430754

18  
h-index

214721

47  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multibeam Antenna Technologies for 5G Wireless Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6231-6249.	3.1	753
2	Automatic Modulation Classification: A Deep Learning Enabled Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 10760-10772.	3.9	227
3	Power Allocation in Multi-User Cellular Networks: Deep Reinforcement Learning Approaches. IEEE Transactions on Wireless Communications, 2020, 19, 6255-6267.	6.1	137
4	Off-Grid DOA Estimation Using Sparse Bayesian Learning in MIMO Radar With Unknown Mutual Coupling. IEEE Transactions on Signal Processing, 2019, 67, 208-220.	3.2	134
5	A Novel Slot-Array Defected Ground Structure for Decoupling Microstrip Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 7027-7038.	3.1	117
6	Moving Target Detection Using Colocated MIMO Radar on Multiple Distributed Moving Platforms. IEEE Transactions on Signal Processing, 2017, 65, 4670-4683.	3.2	100
7	Abnormal Breast Detection in Mammogram Images by Feed-forward Neural Network Trained by Jaya Algorithm. Fundamenta Informaticae, 2017, 151, 191-211.	0.3	86
8	Deep Reinforcement Learning-Based Task Scheduling in IoT Edge Computing. Sensors, 2021, 21, 1666.	2.1	77
9	A Wideband Dual-Mode SIW Cavity-Backed Triangular-Complimentary-Split-Ring-Slot (TCSRS) Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 2541-2545.	3.1	74
10	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. Fundamenta Informaticae, 2017, 151, 275-291.	0.3	62
11	A New Atomic Norm for DOA Estimation With Gain-Phase Errors. IEEE Transactions on Signal Processing, 2020, 68, 4293-4306.	3.2	47
12	Virtual Phase Shifter Array and Its Application on Ku Band Mobile Satellite Reception. IEEE Transactions on Antennas and Propagation, 2015, 63, 1408-1416.	3.1	35
13	Efficient DOA Estimation Method for Reconfigurable Intelligent Surfaces Aided UAV Swarm. IEEE Transactions on Signal Processing, 2022, 70, 743-755.	3.2	30
14	Estimation of Extended Targets Based on Compressed Sensing in Cognitive Radar System. IEEE Transactions on Vehicular Technology, 2017, 66, 941-951.	3.9	29
15	Antenna placement optimisation for compressed sensing-based distributed MIMO radar. IET Radar, Sonar and Navigation, 2017, 11, 285-293.	0.9	27
16	Reconfigurable Intelligent Surface Aided Sparse DOA Estimation Method With Non-UULA. IEEE Signal Processing Letters, 2021, 28, 2023-2027.	2.1	26
17	Waveform Design for Kalman Filter-Based Target Scattering Coefficient Estimation in Adaptive Radar System. IEEE Transactions on Vehicular Technology, 2018, 67, 11805-11817.	3.9	21
18	Compressed Sensing-Based DOA Estimation With Antenna Phase Errors. Electronics (Switzerland), 2019, 8, 294.	1.8	19

#	ARTICLE	IF	CITATIONS
19	A 24â€“28-GHz GaN MMIC Synchronous Doherty Power Amplifier With Enhanced Load Modulation for 5G mm-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3910-3922.	2.9	19
20	Sparse DOD/DOA Estimation in a Bistatic MIMO Radar With Mutual Coupling Effect. Electronics (Switzerland), 2018, 7, 341.	1.8	18
21	Low-Complexity PAPR Reduction Scheme Combining Multi-Band Hadamard Precoding and Clipping in OFDM-Based Optical Communications. Electronics (Switzerland), 2018, 7, 11.	1.8	18
22	DoA and DoD Estimation and Hybrid Beamforming for Radar-Aided mmWave MIMO Vehicular Communication Systems. Electronics (Switzerland), 2018, 7, 40.	1.8	17
23	Sparse off-grid DOA estimation method with unknown mutual coupling effect. , 2019, 90, 1-9.		17
24	Harmonic Suppression of a Three-Stage 25â€“31-GHz GaN MMIC Power Amplifier Using Elliptic Low-Pass Filtering Matching Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 551-554.	2.0	16
25	Compressed Sensing-Based DOA Estimation with Unknown Mutual Coupling Effect. Electronics (Switzerland), 2018, 7, 424.	1.8	15
26	Efficient modulation and demodulation methods for multiâ€“carrier communication. IET Communications, 2016, 10, 567-576.	1.5	14
27	Futures-Based Resource Trading and Fair Pricing in Real-Time IoT Networks. IEEE Wireless Communications Letters, 2020, 9, 125-128.	3.2	13
28	Waveform Optimization for Target Scattering Coefficients Estimation Under Detection and Peak-to-Average Power Ratio Constraints in Cognitive Radar. Circuits, Systems, and Signal Processing, 2016, 35, 163-184.	1.2	12
29	A Low-Profile Decoupling Slot-Strip Array for 2 Ã— 2 Microstrip Antenna. IEEE Access, 2020, 8, 113532-113542.	2.6	11
30	Highly Efficient Wideband GaN MMIC Doherty Power Amplifier Considering the Output Capacitor Influence of the Peaking Transistor in Class-C Operation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1932-1942.	3.5	11
31	A Novel Bandwidth-Enhanced Dual-Polarized Antenna With Symmetrical Closed-Resonant-Slot Pairs. IEEE Access, 2019, 7, 87943-87950.	2.6	9
32	SBL-Based Direction Finding Method with Imperfect Array. Electronics (Switzerland), 2018, 7, 426.	1.8	8
33	Gridless Sparse Direction Finding Method for Correlated Signals with Gain-Phase Errors. Electronics (Switzerland), 2019, 8, 557.	1.8	8
34	Mâ€“ary phase position shift keying with orthogonal signalling. IET Communications, 2015, 9, 1627-1634.	1.5	7
35	DOA Estimation for Multiple Targets in MIMO Radar with Nonorthogonal Signals. Mathematical Problems in Engineering, 2018, 2018, 1-7.	0.6	7
36	A Robust Sparse Bayesian Learning-Based DOA Estimation Method With Phase Calibration. IEEE Access, 2020, 8, 141511-141522.	2.6	7

#	ARTICLE	IF	CITATIONS
37	CMOS ICs for the proposed Chinese millimeter wave communication standard Q-LINKPAN/IEEE802.11aj(45GHz). , 2012, , .		6
38	Reinforcement Learning-Based UAVs Resource Allocation for Integrated Sensing and Communication (ISAC) System. Electronics (Switzerland), 2022, 11, 441.	1.8	6
39	Coding matrix optimization in cognitive radar system with EBPSK-based MCPC signal. Journal of Electromagnetic Waves and Applications, 2015, 29, 1497-1507.	1.0	5
40	A complementary <sc>split-ring</sc> array for compact decoupling 2 circularly polarized antenna. Microwave and Optical Technology Letters, 2021, 63, 1294-1303.	0.9	5
41	A Low-Sidelobe Circularly Polarized Continuous Beam-Scanning Array Using Double-Layer Rotated Structure for <i>Ku</i>-Band Satellite Communications. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 605-609.	2.4	5
42	Varactor-Tuned Half Mode Substrate Integrated Waveguide reflection-type phase shifter. , 2012, , .		4
43	New scheme of MPPSK modem. , 2014, , .		4
44	Clutter estimation based on compressed sensing in bistatic MIMO radar. , 2017, , .		4
45	Maximum Likelihood-Based Methods for Target Velocity Estimation with Distributed MIMO Radar. Electronics (Switzerland), 2018, 7, 29.	1.8	4
46	Sparse-Based Millimeter Wave Channel Estimation With Mutual Coupling Effect. Electronics (Switzerland), 2019, 8, 358.	1.8	4
47	System Optimization for Temporal Correlated Cognitive Radar with EBPSK-Based MCPC Signal. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	3
48	A method to improve phase noise of oscillator based on triangular SIW resonators. Microwave and Optical Technology Letters, 2018, 60, 1251-1256.	0.9	3
49	A RPCA-Based ISAR Imaging Method for Micromotion Targets. Sensors, 2020, 20, 2989.	2.1	3
50	A Novel ISAR Imaging Method Using Pattern-Coupled Laplacian Scale Mixture Prior. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 672-676.	1.4	3
51	Development of a single board microwave sub-system based on substrate integrated waveguide (SIW) technology. , 2012, , .		2
52	Research advances in microwave and millimeter wave circuits and systems in the SKLMMW. , 2012, , .		2
53	NN-based IDF demodulator in band-limited communication system. IET Communications, 2018, 12, 198-204.	1.5	2
54	Adaptive Narrowband Antijam Method for Satellite Navigation. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	Design of broadband and dual-polarized dielectric-filled pyramidal horn antenna based on substrate-integrated waveguide. Microwave and Optical Technology Letters, 2019, 61, 702-708.	0.9	2
56	Modified load-modulation network with two $\lambda/4$ type high-pass equivalent $\lambda/4$ lines for wideband compact GaN MMIC Doherty power amplifier design. Electronics Letters, 2021, 57, 639-641.	0.5	2
57	Joint design transmission waveform and sensing matrix for the compressive sensing radar. , 2014, , .		1
58	Low-Complexity Detector and Performance Analysis for Enhanced Receive Spatial Modulation under High Mobility. , 2017, , .		1
59	A low phase noise oscillator based on substrate integrated coaxial line technology. Journal of Electromagnetic Waves and Applications, 2019, 33, 409-418.	1.0	1
60	Atomic Network-Based DOA Estimation Using Low-Bit ADC. Electronics (Switzerland), 2021, 10, 738.	1.8	1
61	A Wideband Printed-Dipole Antenna for 5G Communication Application. , 2019, , .		1
62	Design of An Ultrawideband Vivaldi Antenna for Short-range Positioning. , 2020, , .		1
63	M-ary Phase Position Shift Keying Demodulation Using Stacked Denoising Sparse Autoencoders. Electronics (Switzerland), 2022, 11, 1233.	1.8	1
64	A 30-W GaN Quasi-MMIC Doherty Power Amplifier Based on All-Distributed Inductors Load Network. , 2022, , .		1
65	DeepDOA: A Novel Deep Learning-Based Method for DOA Superresolution in a Single Snapshot. , 2022, , .		1
66	Optimum weighted cumulation target detection for resonance region multi-carrier radar. , 2013, , .		0
67	A hybrid PAPR reduction approach for the IM/DD optical OFDM communications. , 2017, , .		0
68	Neural Network Based AMP Method for Multi-User Detection in Massive Machine-Type Communication. Electronics (Switzerland), 2020, 9, 1286.	1.8	0
69	Target Scattering Coefficients Estimation in Cognitive Radar under Temporally Correlated Target and Multiple Receive Antennas Scenario. IEICE Transactions on Communications, 2015, E98.B, 1914-1923.	0.4	0
70	Sparse-based direction finding in MIMO radar with mutual coupling. Journal of Engineering, 2019, 2019, 5712-5716.	0.6	0
71	High-accuracy filtering-based envelope generation and digital predistortion for wideband envelope tracking power amplifier. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	0.8	0
72	Random Matrix-Based Group Target Tracking Using Nonlinear Measurement. , 2022, , .		0