

# Houjun Sun

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/925180/houjun-sun-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

449

citations

12

h-index

17

g-index

94

ext. papers

836

ext. citations

4

avg, IF

4.21

L-index

#	Paper	IF	Citations
69	Topoelectrical circuit octupole insulator with topologically protected corner states. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	48
68	Additive manufacturing of carbon nanotube-photopolymer composite radar absorbing materials. <i>Polymer Composites</i> , <b>2018</b> , 39, E671-E676	3	35
67	A Planar Balanced Power Divider With Tunable Power-Dividing Ratio. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4871-4882	4.1	24
66	Experimental Observation of Higher-Order Topological Anderson Insulators. <i>Physical Review Letters</i> , <b>2021</b> , 126, 146802	7.4	21
65	Compressive Sensing Imaging of 3-D Object by a Holographic Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 7295-7304	4.9	20
64	Analysis of a Novel Singlet and Its Application in THz Bandpass Filter Design. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2018</b> , 8, 312-320	3.4	18
63	A Small-Size Dual-Feed Broadband Circularly Polarized U-Slot Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 898-901	3.8	18
62	A W-Band High-Aperture-Efficiency Multipolarized Monopulse Cassegrain Antenna Fed by Phased Microstrip Patch Quad. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1609-1613	3.8	15
61	Near-Field Radar Imaging via Compressive Sensing. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 828-833	4.9	15
60	Design of a $\$W\$$ -Band GaAs-Based SIW Chip Filter Using Higher Order Mode Resonances. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2019</b> , 29, 104-106	2.6	14
59	Topoelectrical-circuit realization of a four-dimensional hexadecapole insulator. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	14
58	Design and Implementation of a Wideband 1-Bit Transmitarray Based on a Yagi-Uvaldi Unit Cell. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4229-4234	4.9	13
57	Two-Dimensional NUFFT-Based Algorithm for Fast Near-Field Imaging. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 814-817	3.8	12
56	NUFFT-Based Near-Field Imaging Technique for Far-Field Radar Cross Section Calculation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 550-553	3.8	12
55	Cylindrical MIMO Array-Based Near-Field Microwave Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 612-617	4.9	12
54	A Compact Single-Feed Circularly Polarized Microstrip Antenna with Symmetric and Wide-Beamwidth Radiation Pattern. <i>International Journal of Antennas and Propagation</i> , <b>2013</b> , 2013, 1-7	1.2	11
53	Observation of hybrid higher-order skin-topological effect in non-Hermitian topoelectrical circuits. <i>Nature Communications</i> , <b>2021</b> , 12, 7201	17.4	9

52	A Precise Real-Time Delay Calibration Method for Navigation Satellite Transceiver. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 2578-2586	5.2	8
51	On the Use of Continuity Condition in the Fast Solution of Volume-Surface Integral Equation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 625-628	3.8	6
50	A W-band auto-focus holographic imaging system for security screening. <i>IEICE Electronics Express</i> , <b>2017</b> , 14, 20170347-20170347	0.5	6
49	Amplitude Angle Monopulse Estimation for the Four-Channel Hybrid Polarimetric Radar System. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 1-1	3.8	6
48	Cylindrical Three-Dimensional Millimeter-Wave Imaging via Compressive Sensing. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-6	1.2	6
47	2-D Coherence Factor for Sidelobe and GhostSuppressions in Radar Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1204-1209	4.9	6
46	Radar Imaging by Sparse Optimization Incorporating MRF Clustering Prior. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 17, 1139-1143	4.1	5
45	Quantum-inspired microwave signal processing for implementing unitary transforms. <i>Optics Express</i> , <b>2019</b> , 27, 436-460	3.3	5
44	1-Bit Wideband Reconfigurable Reflectarray Design in Ku-Band. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	5
43	Planar Reconfigurable Balanced Rat-Race Coupler With Improved Amplitude Imbalance Performance and Common-Mode Noise Absorption. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 4276-4289	4.1	5
42	A Miniaturized Dual-band SIW Filtering Antenna With Improved Out-of-band Suppression. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
41	Enhanced Millimeter-Wave 3-D Imaging via Complex-Valued Fully Convolutional Neural Network. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 147	2.6	4
40	Electric-Circuit Realization of Fast Quantum Search. <i>Research</i> , <b>2021</b> , 2021, 9793071	7.8	4
39	A Wide-Band High-Efficiency Hybrid-Feed Antenna Array for mm-Wave Wireless Systems. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2383	2.6	4
38	Recent Developments and Challenges on Beam Steering Characteristics of Reconfigurable Transmitarray Antennas. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 587	2.6	4
37	Experimental observation of classical analogy of topological entanglement entropy. <i>Nature Communications</i> , <b>2019</b> , 10, 1557	17.4	3
36	Near-Field Single-Frequency Millimeter-Wave 3-D Imaging via Multifocus Image Fusion. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 298-302	3.8	3
35	Triangular Slot-Loaded Wideband Planar Rectangular Antenna Array for Millimeter-Wave 5G Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 778	2.6	3

34	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 138-142	3.8	3
33	Fast and Efficient Analysis of Radome-Enclosed Antennas in Receiving Mode by an Iterative-Based Hybrid Integral Equation/Modified Surface Integration Method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2436-2445	4.9	2
32	Ultra-Wideband Dielectric Resonator Antenna Design Based on Multilayer Form. <i>International Journal of Antennas and Propagation</i> , <b>2019</b> , 2019, 1-10	1.2	2
31	Design and Implementation of a W-band 16×6-Slot Array Antenna with Low Sidelobe Level. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 1-1	3.8	2
30	Integer Linear Programming Roundoff Method for Arbitrary Planar Phased-Array Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3040-3047	4.9	2
29	High Gain Rectangular Slot Microstrip Patch Antenna for 5G mm-Wave Wireless Communication <b>2020</b> ,		2
28	Low Profile, Compact Size Frequency Reconfigurable Antenna for 5G mm-Wave Wireless Communication <b>2020</b> ,		2
27	Design of a Novel Passive Wireless Integrated SAW-Based Antenna Sensor for Structural Health Monitoring. <i>Journal of Sensors</i> , <b>2020</b> , 2020, 1-9	2	2
26	Multi-section auto-focus millimeter-wave holography <b>2016</b> ,		2
25	A wideband siw-to-waveguide transition at w-band <b>2017</b> ,		2
24	A high-performance stepped frequency synthesizer for synthetic aperture radar <b>2012</b> ,		2
23	Design of an X/Ka dual-band co-aperture broadband microstrip antenna array <b>2011</b> ,		2
22	A Broadband E-Band Single-Layer-SIW-to-Waveguide Transition for Automotive Radar. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2022</b> , 1-4	2.6	2
21	Wiring Effects Mitigation for Through-Wall Human Motion Micro-Doppler Signatures Using a Generative Adversarial Network. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 10007-10016	4	2
20	Multichannel Phase Calibration for Linear Array Based on Extended $\omega$ K $\omega$ Algorithm and Minimum-Entropy Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1827-1831	3.8	2
19	Creation of electrical knots and observation of DNA topology. <i>New Journal of Physics</i> , <b>2021</b> , 23, 093045	2.9	2
18	Broadband Three-Stage Pseudoload Modulated Balanced Amplifier With Power Back-Off Efficiency Enhancement. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	2
17	An Impedance-Loaded Orthogonal Frequency-Coded SAW Sensor for Passive Wireless Sensor Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1

16	Design of a W-band Low Noise Amplifier Module with MMIC <b>2012</b> ,		1
15	Design of A Ka-Band 3D-Printed Dual-Polarization Magnetolectric Dipole Antenna Array with Low Sidelobe. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2969	2.6	1
14	An Ultra-Wideband Compact TR Module Based on 3-D Packaging. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1435	2.6	1
13	Linear Programming Phase Feeding Method for Phased-Array Scanning. <i>IEICE Transactions on Electronics</i> , <b>2016</b> , E99.C, 892-894	0.4	1
12	Wide-Angle Scanning Phased Array Antennas Using Metasurface Slabs. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
11	High-Gain Low Cross-Polarized Dual-Polarized Filtering Patch Antenna Without Extra Circuits. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	1
10	Improved Algorithm X for Subarray Partition with Acceleration and Sidelobe Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	1
9	Latest Performance Improvement Strategies and Techniques Used in 5G Antenna Designing Technology, a Comprehensive Study. <i>Micromachines</i> , <b>2022</b> , 13, 717	3.3	1
8	Observation of Bloch oscillations dominated by effective anyonic particle statistics.. <i>Nature Communications</i> , <b>2022</b> , 13, 2392	17.4	1
7	Fast Sidelobe Calculation and Suppression in Arbitrary Two-Dimensional Phased Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	0
6	Fast Alignment Algorithm for Autocalibration in Digital Monopulse Radars. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1513-1517	3.8	0
5	Compressive RCS Measurements. <i>Circuits, Systems, and Signal Processing</i> , <b>2015</b> , 34, 1379-1389	2.2	
4	A microstrip-fed W-band waveguide filter using H-shaped coupling slots. <i>IEICE Electronics Express</i> , <b>2017</b> , 14, 20170326-20170326	0.5	
3	Obtaining source current density related to irregularly structured electromagnetic target field inside human body using hybrid inverse/FDTD method. <i>Electromagnetic Biology and Medicine</i> , <b>2017</b> , 36, 169-176	2.2	
2	A Hybrid Antenna with Equal Beamwidth in Two Frequency Bands for Radar Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 3000	2.6	
1	Digital beam forming methods for variable polarimetric monopulse radar. <i>IET Radar, Sonar and Navigation</i> , <b>2021</b> , 15, 1368	1.4	