

# Shu Sun

## List of Publications by Citations

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31  
papers

8,040  
citations

21  
h-index

31  
g-index

31  
ext. papers

10,581  
ext. citations

5.2  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
31	Millimeter Wave Mobile Communications for 5G Cellular: It Will Work!. <i>IEEE Access</i> , <b>2013</b> , 1, 335-349	3.5	4239
30	. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2014</b> , 32, 1164-1179	14.2	1282
29	Wideband Millimeter-Wave Propagation Measurements and Channel Models for Future Wireless Communication System Design. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 3029-3056	6.9	821
28	Indoor Office Wideband Millimeter-Wave Propagation Measurements and Channel Models at 28 and 73 GHz for Ultra-Dense 5G Wireless Networks. <i>IEEE Access</i> , <b>2015</b> , 3, 2388-2424	3.5	360
27	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2843-2860	6.8	222
26	Millimeter-Wave Omnidirectional Path Loss Data for Small Cell 5G Channel Modeling. <i>IEEE Access</i> , <b>2015</b> , 3, 1573-1580	3.5	131
25	Propagation Path Loss Models for 5G Urban Micro- and Macro-Cellular Scenarios <b>2016</b> ,		128
24	Propagation Models and Performance Evaluation for 5G Millimeter-Wave Bands. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8422-8439	6.8	115
23	28 GHz Millimeter-Wave Ultrawideband Small-Scale Fading Models in Wireless Channels <b>2016</b> ,		109
22	A novel millimeter-wave channel simulator and applications for 5G wireless communications <b>2017</b> ,		98
21	Small-Scale, Local Area, and Transitional Millimeter Wave Propagation for 5G Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 6474-6490	4.9	72
20	Millimeter-Wave Human Blockage at 73 GHz with a Simple Double Knife-Edge Diffraction Model and Extension for Directional Antennas <b>2016</b> ,		71
19	Millimeter-wave distance-dependent large-scale propagation measurements and path loss models for outdoor and indoor 5G systems <b>2016</b> ,		53
18	Millimeter wave multi-beam antenna combining for 5G cellular link improvement in New York City <b>2014</b> ,		45
17	Millimeter Wave MIMO channel estimation based on adaptive compressed sensing <b>2017</b> ,		37
16	5G Uniform Linear Arrays With Beamforming and Spatial Multiplexing at 28, 37, 64, and 71 GHz for Outdoor Urban Communication: A Two-Level Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9972-9985	6.8	32
15	Hybrid beamforming for 5G millimeter-wave multi-cell networks <b>2018</b> ,		30

14	28 GHz and 73 GHz signal outage study for millimeter wave cellular and backhaul communications <b>2014,</b>		29
13	Investigation and Comparison of 3GPP and NYUSIM Channel Models for 5G Wireless Communications <b>2017,</b>		27
12	Millimeter wave small-scale spatial statistics in an urban microcell scenario <b>2017,</b>		24
11	A flexible wideband millimeter-wave channel sounder with local area and NLOS to LOS transition measurements <b>2017,</b>		22
10	MIMO channel modeling and capacity analysis for 5G millimeter-wave wireless systems <b>2016,</b>		21
9	Analytical Framework of Hybrid Beamforming in Multi-Cell Millimeter-Wave Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 7528-7543	9.6	20
8	Channel Estimation for Reconfigurable Intelligent Surface-Assisted Wireless Communications Considering Doppler Effect. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 790-794	5.9	18
7	Wideband mmWave channels: Implications for design and implementation of adaptive beam antennas <b>2014,</b>		15
6	A preliminary 3D mm wave indoor office channel model <b>2015,</b>		8
5	Wide-incident-angle chromatic polarized transmission on trilayer silver/dielectric nanowire gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, 1211	1.7	6
4	Practical Link Adaptation Algorithm With Power Density Offsets for 5G Uplink Channels. <i>IEEE Wireless Communications Letters</i> , <b>2020</b> , 9, 851-855	5.9	4
3	Small-Scale Spatial-Temporal Correlation and Degrees of Freedom for Reconfigurable Intelligent Surfaces. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	1
2	Practical Scheduling Algorithms With Contiguous Resource Allocation for Next-Generation Wireless Systems. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 725-729	5.9	0
1	Deep-Reinforcement-Learning-Based Scheduling with Contiguous Resource Allocation for Next-Generation Wireless Systems. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 648-660	0.5	