Rui Wang

List of Publications by Year
in descending order

		840776	996975
23 papers	491 citations	11 h-index	15 g-index
23 all docs	23 docs citations	23 times ranked	474 citing authors

#	Article	IF	Citations
1	Machine Learning-Enabled LOS/NLOS Identification for MIMO Systems in Dynamic Environments. IEEE Transactions on Wireless Communications, 2020, 19, 3643-3657.	9.2	85
2	Joint Optimization of Hybrid Beamforming for Multi-User Massive MIMO Downlink. IEEE Transactions on Wireless Communications, 2018, 17, 3600-3614.	9.2	52
3	Real-Time Millimeter-Wave MIMO Channel Sounder for Dynamic Directional Measurements. IEEE Transactions on Vehicular Technology, 2019, 68, 8775-8789.	6.3	51
4	Machine-Learning-Based Data Processing Techniques for Vehicle-to-Vehicle Channel Modeling. IEEE Communications Magazine, 2019, 57, 109-115.	6.1	39
5	Millimeter-wave channels in urban environments. , 2016, , .		32
6	Outdoor Wideband Channel Measurements and Modeling in the 3–18 GHz Band. IEEE Transactions on Wireless Communications, 2018, 17, 4620-4633.	9.2	30
7	Outdoor to Indoor Propagation Channel Measurements at 28 GHz. IEEE Transactions on Wireless Communications, 2019, 18, 1477-1489.	9.2	30
8	Geometry-Cluster-Based Stochastic MIMO Model for Vehicle-to-Vehicle Communications in Street Canyon Scenarios. IEEE Transactions on Wireless Communications, 2021, 20, 755-770.	9.2	24
9	A real-time MIMO channel sounder for vehicle-to-vehicle propagation channel at 5.9 GHz. , 2017, , .		22
10	Path loss models with distance–dependent weighted fitting and estimation of censored path loss data. IET Microwaves, Antennas and Propagation, 2016, 10, 1467-1474.	1.4	20
11	High-Resolution Parameter Estimation for Time-Varying Double Directional V2V Channel. IEEE Transactions on Wireless Communications, 2017, 16, 7264-7275.	9.2	20
12	Feasibility of Mobility for Millimeter-Wave Systems Based on Channel Measurements. IEEE Communications Magazine, 2018, 56, 56-63.	6.1	14
13	On Channel Sounding With Switched Arrays in Fast Time-Varying Channels. IEEE Transactions on Wireless Communications, 2019, 18, 3843-3855.	9.2	13
14	Enabling Super-Resolution Parameter Estimation for mm-Wave Channel Sounding. IEEE Transactions on Wireless Communications, 2020, 19, 3077-3090.	9.2	9
15	Band Assignment in Dual Band Systems: A Learning-Based Approach. , 2018, , .		8
16	Measurement Based Directional Modeling of Dynamic Human Body Shadowing at 28 GHz. , 2018, , .		8
17	On Secure Degrees of Freedom of the MIMO Interference Channel With Local Output Feedback. IEEE Internet of Things Journal, 2021, 8, 15334-15348.	8.7	8
18	Vehicle-to-vehicle propagation channel for truck-to-truck and mixed passenger freight convoy. , 2017, , .		7

#	Article	IF	Citations
19	Real-Time Ultra-Wideband Channel Sounder Design for 3â€"18 GHz. IEEE Transactions on Communications, 2019, 67, 2995-3008.	7.8	5
20	Antenna Switching Sequence Design for Channel Sounding in a Fast Time-Varying Channel. , 2018, , .		4
21	A Geometry-Based Stochastic Model for Truck Communication Channels in Freeway Scenarios. IEEE Transactions on Communications, 2022, 70, 5572-5586.	7.8	4
22	Efficiency Improvement for Path Detection and Tracking Algorithm in a Time-Varying Channel. , 2015, , .		3
23	Path Loss Analysis and Modeling for Vehicle-to-Vehicle Communications in Convoys in Safety-Related Scenarios. , 2019, , .		3