Tomas Mikulasek

List of Publications by Year
in descending order

47	424	933447 10	940533 16
papers	citations	h-index	g-index

47	47	47	383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-Vehicle Channel Measurement, Characterization, and Spatial Consistency Comparison of $ext{30}hbox{--}ext{11 GHz}$ and $ext{55}hbox{--}ext{65 GHz}$ Frequency Bands. IEEE Transactions on Vehicular Technology, 2017, 66, 3526-3537.	6.3	38
2	Frequency-Domain In-Vehicle UWB Channel Modeling. IEEE Transactions on Vehicular Technology, 2016, 65, 3929-3940.	6.3	36
3	Design of apertureâ€coupled microstrip patch antenna array fed by SIW for 60 GHz band. IET Microwaves, Antennas and Propagation, 2016, 10, 288-292.	1.4	30
4	2$,imes,$2 Microstrip Patch Antenna Array Fed by Substrate Integrated Waveguide for Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1287-1290.	4.0	24
5	Substrate integrated waveguide monopolar ring-slot antenna. Microwave and Optical Technology Letters, 2014, 56, 1865-1869.	1.4	21
6	In-Vehicle mm-Wave Channel Model and Measurement. , 2014, , .		20
7	Effects of vehicle vibrations on mm-wave channel: Doppler spread and correlative channel sounding. , 2016, , .		19
8	5G SIW-Based Phased Antenna Array With Cosecant-Squared Shaped Pattern. IEEE Transactions on Antennas and Propagation, 2022, 70, 250-259.	5.1	16
9	Time-Domain Broadband 60 GHz Channel Sounder for Vehicle-to-Vehicle Channel Measurement. , 2018, , .		13
10	Measured High-Resolution Power-Delay Profiles of Nonstationary Vehicular Millimeter Wave Channels. , 2018, , .		13
11	Time-domain nonstationary intra-car channel measurement in 60 GHz band. , 2016, , .		13
12	Measurements of ultra wide band in-vehicle channel - statistical description and TOA positioning feasibility study. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	12
13	In-vehicle UWB channel measurement, model and spatial stationarity. , 2014, , .		11
14	Two feeding methods based on substrate integrated waveguide for microstrip patch antennas. IET Microwaves, Antennas and Propagation, 2015, 9, 423-430.	1.4	11
15	SIW slot antennas utilized for 60-GHz channel characterization. Microwave and Optical Technology Letters, 2015, 57, 1365-1370.	1.4	11
16	Time-varying K factor of the mm-Wave vehicular channel: Velocity, vibrations and the road quality influence. , 2017, , .		11
17	Serial subtractive deconvolution algorithms for timeâ€domain ultra wide band inâ€vehicle channel sounding. IET Intelligent Transport Systems, 2015, 9, 870-880.	3.0	10
18	Wireless Vehicular Multiband Measurements in Centimeterwave and Millimeterwave Bands. , 2021, , .		10

#	Article	IF	Citations
19	60 GHz mmW Channel Measurements inside a Bus. , 2016, , .		9
20	UWB Measurements for Spatial Variability and Ranging: Parked Car in Underground Garage. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1859-1862.	4.0	9
21	Frequency-domain in-vehicle channel modelling in mmW band. , 2015, , .		7
22	Intra-vehicle ranging in ultra-wide and millimeter wave bands. , 2015, , .		7
23	In-vehicle channel sounding in the 5.8-GHz band. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	7
24	Out of vehicle channel sounding in 5.8 GHz band. , 2015, , .		6
25	Intra-Vehicular Path Loss Comparison of UWB Channel for 3-11 GHz and 55-65 GHz. , 2015, , .		6
26	Out-of-vehicle time-of-arrival-based localization in ultra-wide band. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666552.	2.2	6
27	Transverse slot with control of amplitude and phase for travellingâ€wave SIW antenna arrays. IET Microwaves, Antennas and Propagation, 2020, 14, 1943-1946.	1.4	6
28	UWB time domain channel sounder. , 2015, , .		5
29	Vehicle-to-Vehicle Millimeter-Wave Channel Measurements at 56-64 GHz. , 2019, , .		5
30	Rat Head Phantom for Testing of Electroencephalogram Source Localization Techniques. IEEE Access, 2020, 8, 106735-106745.	4.2	5
31	Compact arrays fed by substrate integrated waveguides. , 2014, , .		3
32	Measurement of in-vehicle channel — Feasibility of ranging in UWB and MMW band. , 2014, , .		3
33	Usability of Hilbert transform for complex channel transfer function calculation in 60 GHz band. , 2017, , .		3
34	Beamâ€and polarisationâ€reconfigurable SIW ringâ€slot antenna array. IET Microwaves, Antennas and Propagation, 2018, 12, 2313-2319.	1.4	3
35	Multipath Propagation Analysis for Vehicle-to-Infrastructure Communication at 60 GHz. , 2019, , .		3
36	Circularly polarized microstrip patch antenna fed by substrate integrated waveguide. , 2012, , .		2

#	Article	IF	Citations
37	Novel Planar Horn Antenna for 75/85 GHz Experimental Wireless Link. Radioengineering, 2015, 24, 681-687.	0.6	2
38	SIWâ€fed Vivaldi antenna with beam steering capabilities. Microwave and Optical Technology Letters, 2017, 59, 1022-1027.	1.4	2
39	Multipath Propagation Analysis for Static Urban Environment at 60 GHz. , 2019, , .		2
40	Time-variance of 60 GHz vehicular infrastructure-to-infrastructure (I2I) channel. Vehicular Communications, 2020, 26, 100288.	4.0	2
41	On the Characterization of Beam Misalignment in Outdoor-to-Indoor 60 GHz mmWave Channel. , 2021, , .		2
42	Error analysis of phase retrieval method combining global and local approaches. , 2013, , .		0
43	75/85 GHz experimental wireless link. , 2013, , .		0
44	Estimation the transmission between antennas using artificial neural networks in the UWB band. , 2016, , .		0
45	Ultra-Low Power Identification in Explosive Environments. , 2019, , .		0
46	Improved RMS Delay Spread Estimation for mmWave Channels Using Savitzkyâ€“Golay Filters. Electronics (Switzerland), 2019, 8, 1530.	3.1	0
47	Angular Power Distribution in 60 GHz Wireless Uplink for Vehicle-to-Infrastructure Scenarios. , 2021, , .		0