

Andrej Hrovat

List of Publications by Year in descending order

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580
citing authors

#	ARTICLE	IF	CITATIONS
1	Tropospheric Scintillation Fading Analysis of Alphasat Satellite Measurements in Ka and Q Bands. , 2022, , .		3
2	5G Channel Models for Railway Use Cases at mmWave Band and the Path Towards Terahertz. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 146-155.	3.8	7
3	Alphasat Propagation Measurements at Ka- and Q- Bands in Ljubljana: Three Years' Statistical Analysis. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 174-178.	4.0	6
4	Fade Slope Analysis of Alphasat Satellite Measurements at Ka and Q Bands. , 2021, , .		3
5	UWB Radio-Based Motion Detection System for Assisted Living. Sensors, 2021, 21, 3631.	3.8	8
6	Experiment Control and Monitoring System for LOG-a-TEC Testbed. Sensors, 2021, 21, 6422.	3.8	2
7	Geometric Simplifications of Natural Caves in Ray-Tracing-Based Propagation Modelling. Electronics (Switzerland), 2021, 10, 2914.	3.1	1
8	Framework for the Machine Learning Based Wireless Sensing of the Electromagnetic Properties of Indoor Materials. Electronics (Switzerland), 2021, 10, 2843.	3.1	3
9	Self-Calibrated UWB based device-free indoor localization and activity detection approach. , 2020, , .		15
10	Statistical Analysis of Satellite Communication Experimental Time Diversity in Slovenia. , 2020, , .		2
11	Study of Cooperative MIMO Approach in Hilly Environment. , 2020, , .		0
12	Modeling Microwave Propagation in Natural Caves Using LiDAR and Ray Tracing. IEEE Transactions on Antennas and Propagation, 2020, 68, 3878-3888.	5.1	4
13	Millimeter-Wave Communications for Smart Rail Mobility: From Channel Modeling to Prototyping. , 2019, , .		4
14	Prediction Model of Fade Duration Statistics for Satellite Communications at <i>Ka</i> - and <i>Q</i> -Bands. IEEE Transactions on Antennas and Propagation, 2019, 67, 5519-5531.	5.1	8
15	Assessment of spatial and temporal properties of <i>Ka/Q</i> band earth-space radio channel across Europe using Alphasat Aldo Paraboni payload. International Journal of Satellite Communications and Networking, 2019, 37, 477-501.	1.8	18
16	Passive Ultra-Wideband Coarse Localization and Activity Detection System for Assisted Living. , 2019, , .		0
17	3D Indoor Environment Characterization based on Radio Scanning: Initial Idea and Methodology. , 2019, , .		2
18	Users' QoS driven radio resources optimization based on radio environment map. Journal of Physics: Conference Series, 2019, 1334, 012016.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Influence of Typical Railway Objects in a mmWave Propagation Channel. IEEE Transactions on Vehicular Technology, 2018, 67, 2880-2892.	6.3	32
20	A Geometry-Based Stochastic Channel Model for the Millimeter-Wave Band in a 3GPP High-Speed Train Scenario. IEEE Transactions on Vehicular Technology, 2018, 67, 3853-3865.	6.3	40
21	Continuous Integration in Wireless Technology Development. IEEE Communications Magazine, 2018, 56, 74-81.	6.1	14
22	Measurement based ultra-wideband channel model for mobile communications in tunnels. , 2018, , .		3
23	A discrete-components millimeter-wave satellite beacon receiver for Q-band propagation experiment. International Journal of Satellite Communications and Networking, 2018, 36, 372-382.	1.8	1
24	Analysis of Fade Dynamics in Site Diversity System in Slovenia. , 2018, , .		1
25	Prediction of Joint Rain Attenuation Statistics Induced on Earth-Satellite Multiple Site Diversity Systems Using Gaussian Copula. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 95-98.	4.0	10
26	Analysis of strategies for progressive 5G emergency network deployment. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3059.	3.9	3
27	Traffic impact on radio wave propagation at millimeter-wave band in tunnels for 5G communications. , 2017, , .		7
28	Large scale assessment of Ka/Q band atmospheric channel across Europe with ALPHASAT TDP5: The augmented network. , 2017, , .		20
29	Challenges and chances for smart rail mobility at mmWave and THz bands from the channels viewpoint. , 2017, , .		15
30	Satellite propagation experiment in Ljubljana: Beacon measurements at Ka- and Q-band. , 2017, , .		5
31	Rain Attenuation Prediction Model Based on Hyperbolic Cosecant Copula for Multiple Site Diversity Systems in Satellite Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 4768-4779.	5.1	6
32	Distributed REM-Assisted Radio Resource Management in LTE-A Networks. Wireless Personal Communications, 2017, 92, 107-126.	2.7	4
33	Significance Analysis for Typical Objects in mmWave Urban Railway Propagation Environment. , 2017, , .		4
34	A Simplified Multipath Component Modeling Approach for High-Speed Train Channel Based on Ray Tracing. Wireless Communications and Mobile Computing, 2017, 2017, 1-14.	1.2	10
35	Analysis of radio wave propagation at millimeter-wave band in tunnels for 5G communications. , 2016, , .		5
36	Stochastic Modeling for Extra Propagation Loss of Tunnel Curve. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Modeling of joint rain attenuation in earth-space diversity systems using Gaussian copula. , 2016, , .		3
38	Evaluation of the Gaussian copula prediction method for joint rain attenuation statistics in Earth-satellite site diversity systems. , 2016, , .		1
39	Measurements and Analysis of Large-Scale Fading Characteristics in Curved Subway Tunnels at 920 MHz, 2400 MHz, and 5705 MHz. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2393-2405.	8.0	67
40	Derivation and application of ray entity concept. , 2014, , .		0
41	Statistical analysis of 19.7 GHz satellite beacon measurements in Ljubljana, Slovenia. , 2014, , .		5
42	A Survey of Radio Propagation Modeling for Tunnels. IEEE Communications Surveys and Tutorials, 2014, 16, 658-669.	39.4	162
43	Radio environment map (REM): An approach for provision wireless communications in disaster areas. , 2014, , .		4
44	GRASS-RaPlAT - Radio planning tool for GRASS GIS system. , 2013, , .		7
45	Experimental analysis of wireless temporary networks deployed by low altitude platforms. , 2013, , .		7
46	Four-slope channel model for path loss prediction in tunnels at 400â€¦MHz. IET Microwaves, Antennas and Propagation, 2010, 4, 571.	1.4	50
47	WAP over TETRA trial services. , 2008, , .		0
48	Comparison of WiMAX coverage at 450MHz and 3.5GHz. , 2006, , .		13