Jan Pidanic

List of Publications by Year
in descending order

54 papers	151 citations	1937685 4 h-index	1720034 7 g-index
54 all docs	54 docs citations	54 times ranked	121 citing authors

#	Article	IF	Citations
1	Accuracy Analyses of Synthesized-Reference-Wave Holography for Determining Antenna Radiation Characteristics. IEEE Antennas and Propagation Magazine, 2008, 50, 89-98.	1.4	21
2	Model comparison of bistatic radar clutter. , 2013, , .		10
3	Secondary Surveillance Radar Antenna [Antenna Designer's Notebook]. IEEE Antennas and Propagation Magazine, 2013, 55, 164-170.	1.4	9
4	Antenna Beamwidth Control [Antenna Designer's Notebook]. IEEE Antennas and Propagation Magazine, 2010, 52, 163-170.	1.4	7
5	An optimization of a PHD function for association of targets on multistatic radar. , 2014, , .		6
6	The analysis of small RCS target detection in primary radar system. , 2016, , .		6
7	Efficient PRNG Design and Implementation for Various High Throughput Cryptographic and Low Power Security Applications. , 2019, , .		6
8	Broadband Approximation of Radiation Patterns for Doubly Curved Reflector Antennas [Antenna Designer's Notebook]. IEEE Antennas and Propagation Magazine, 2011, 53, 140-146.	1.4	5
9	Computing of bistatic cross-ambiguity function on GPU. , 2013, , .		5
10	The workplace for automatic measurement of antennas' radiation patterns. , 2014, , .		5
11	Advanced targets association based on GPU computation of PHD function. , 2015, , .		5
12	The wind farm simulator of reflected signals in primary radar system. , 2017, , .		5
13	Bin Picking Success Rate Depending on Sensor Sensitivity. , 2019, , .		5
14	Analysis of DVB-T2 signal for exploitation by Passive Coherent Location system. , 2017, , .		4
15	Multiphysics and Multipactor Analyses of TE_{022}-Mode High-Power X-Band RF Window. IEEE Microwave and Wireless Components Letters, 2020, 30, 272-275.	3.2	4
16	Speed-up the computing of bistatic cross-ambiguity function. , 2012, , .		3
17	coPSSA - Constrained Parallel Stretched Simulated Annealing. , 2015, , .		3
18	Performance of the glass block in photovoltaic generation. , 2015, , .		3

#	Article	IF	Citations
19	Clutter maps formation in monostatic primary radar. , 2016, , .		3
20	The modelling of wind turbine influence in the primary radar systems. , 2017, , .		3
21	Detection and Recognition of Signals in HF Radio Monitoring. , 2019, , .		3
22	Identification and Suppression of Slot Modes in a Coaxial Magnetron. , 2019, , .		3
23	Speed-up the computing of bistatic cross-ambiguity function on different hardware configuration. , 2012, , .		2
24	The analysis of wind fann impact in primary radar system. , 2017, , .		2
25	Analysis of Bistatic Ground Clutter. Radioengineering, 2018, 27, 856-863.	0.6	2
26	Theoretical Analysis of Slow-light in Ï€-phase-shifted fiber Bragg grating for sensing applications. , 2019, , .		2
27	Statistical Analysis of Ground Clutter from FM Based Passive Radar. Radioelectronics and Communications Systems, 2019, 62, 391-399.	0.5	2
28	Prediction of Wind Turbine's Doppler Frequency Shifts. , 2020, , .		2
29	Demonstration of Smart Railway Level Crossing Design and Validation Using Data from Metro Rail, South Africa. Journal of Advanced Transportation, 2022, 2022, 1-10.	1.7	2
30	Methods ofÂSignal Detection andÂRecognition toÂPerform Frequency Resource Sharing inÂCognitive Radio Networks. Lecture Notes in Electrical Engineering, 2022, , 392-409.	0.4	2
31	Through-Wall Propagation Measurements. , 2007, , .		1
32	Diffraction over an earth — Comparison of methods. , 2010, , .		1
33	The traction drive of the experimental rail vehicle. , 2013, , .		1
34	OFDM channel modelling for railway corridors. , 2014, , .		1
35	Investigation of UHF system for mobile communication in indoor environments. , 2015, , .		1
36	Targets detection analysis in the passive coherent location system in single frequency network. , 2016, , .		1

#	Article	IF	Citations
37	On performance of filter used for interference mitigation between LTE and DVB-T networks in digital dividend spectrum. , 2016, , .		1
38	RiverOpt: A Multiobjective Optimization Framework Based on Modified River Formation Dynamics Heuristic. , 2019, , .		1
39	Discrete Wavelet Design for Target Classification in Pulse-Doppler Surveillance Radar. , 2019, , .		1
40	Parallel PHD Function on Target Association with Multistatic Radar System (MRS) using CUDA. , 2020, , .		1
41	Novel radar north correction estimation algorithm. , 2020, , .		1
42	Through-wall propagation measurements. , 2007, , .		0
43	Control of Antenna Beam Width. , 2008, , .		0
44	Remote control software for R&S PR100 receiver. , 2014, , .		0
45	Checking of wrongly scaled ionograms by using of virtual height of ionospheric layers. , 2016, , .		0
46	DVB-T signal analysis on passive coherent location system in single frequency network. , 2016, , .		0
47	The radio coverage monitoring by low-cost system based on SDR. , 2017, , .		0
48	The Estimation of the Transmitter's Coordinates and its Uncertainty. , 2018, , .		0
49	The Analysis of Doppler Shift from Wind Farm and a Target in the Primary Radar System. , 2018, , .		0
50	Object Oriented EMT simulation framework for On-Grid Centralized Microgrid. , 2019, , .		0
51	Integrated ABB and DVS: A Post-silicon Tuning Approach for Parametric Yield Enhancement in Sub-45nm CMOS Technology. , 2019, , .		0
52	The Behavior of the Traction Power Supply System of AC 25 kV 50 Hz During Operation. Studies in Systems, Decision and Control, 2017, , 35-65.	1.0	0
53	Rough North Correction Estimation Algorithm Based on Terrain Visibility. IEEE Access, 2021, 9, 152668-152676.	4.2	0
54	The Process of Metadata Management for Radar Target Classification Algorithm Development. , 2020, , .		0