

Artem R Vilenskiy

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

101
citations

1684188

5
h-index

1720034

7
g-index

24
all docs

24
docs citations

24
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband Open-Ended Ridge Gap Waveguide Antenna Elements for 1-D and 2-D Wide-Angle Scanning Phased Arrays at 100 GHz. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 883-887.	4.0	4
2	Millimeter-Wave Quasi-Optical Feeds for Linear Array Antennas in Gap Waveguide Technology. , 2022, , .		1
3	mmWave Metal Bowtie Slot Array Element Integrating Power Amplifier MMIC via On-Chip Probe to Enhance Efficiency and Bandwidth. IEEE Transactions on Antennas and Propagation, 2022, 70, 8110-8121.	5.1	5
4	Co-Design and Validation Approach for Beam-Steerable Phased Arrays of Active Antenna Elements With Integrated Power Amplifiers. IEEE Transactions on Antennas and Propagation, 2021, 69, 7497-7507.	5.1	10
5	W-band Waveguide Antenna Elements for Wideband and Wide-Scan Array Antenna Applications For Beyond 5G. , 2021, , .		5
6	Quasi-Optical Beamforming Network for Millimeter-Wave Electronically Scanned Array Antennas with 1-Bit Phase Resolution. , 2021, , .		4
7	Integrated $\lt i>W</i>$ -Band Photoconductive Switches in SIW Technology. IEEE Microwave and Wireless Components Letters, 2021, 31, 865-868.	3.2	5
8	Low-loss K-band Photoconductive Switches in SIW Technology. , 2021, , .		4
9	Antenna Technologies for Beyond-5G Wireless Communication: Challenges and Opportunities. , 2021, , .		5
10	Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays. , 2020, , .		6
11	Reconfigurable Transmitarray With Near-Field Coupling to Gap Waveguide Array Antenna for Efficient 2-D Beam Steering. IEEE Transactions on Antennas and Propagation, 2020, 68, 7854-7865.	5.1	21
12	Phase Distribution Optimization for 1-Bit Transmitarrays with Near-Field Coupling Feeding Technique. , 2020, , .		4
13	Method for Phased Antenna Array Autofocusing with Amplitude-only Measurements. , 2019, , .		2
14	Formation and Processing of Noise-Like Signals in Ultra-Wideband Systems. , 2019, , .		0
15	MM-wave Patch Antenna with Embedded Photoconductive Elements for 1-bit Phase Shifting. , 2019, , .		3
16	Experimental Study of a Low-profile Wideband Antenna Array Unit Cell with Integrated EBG Structure. , 2019, , .		1
17	Design of RF filters with high selectivity on monolithic ceramic blocks. ITM Web of Conferences, 2019, 30, 06001.	0.5	0
18	Wideband Beam Steering Antenna Array of Printed Cavity-Backed Elements With Integrated EBG Structure. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 245-249.	4.0	12

#	ARTICLE	IF	CITATIONS
19	DESIGN OF COMPACT BANDPASS QUASI-ELLIPTIC MICROSTRIP FILTERS. Journal of the Russian Universities Radioelectronics, 2019, , 41-53.	0.2	0
20	DESIGN TECHNIQUE FOR VARACTOR ANALOG PHASE SHIFTERS WITH EQUALIZED LOSSES. Progress in Electromagnetics Research C, 2018, 86, 1-16.	0.9	4
21	Frequency-domain synthesis of tapered slot antennas. , 2017, , .		0
22	Design approach for microstrip PIN-diode phase shifters with equalized losses. , 2017, , .		2
23	Beam steering performance of wideband cavity-backed patch antenna array element. , 2017, , .		1
24	Analog varactor phase shifter. , 2017, , .		2