

# Artem R Vilenskiy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6081268/publications.pdf>

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	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
2	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
3	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
4	Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays. , 2020, , .		6
5	W-band Waveguide Antenna Elements for Wideband and Wide-Scan Array Antenna Applications For Beyond 5G. , 2021, , .		5
6	Integrated $\text{W}$ -Band Photoconductive Switches in SIW Technology. IEEE Microwave and Wireless Components Letters, 2021, 31, 865-868.	3.2	5
7	Antenna Technologies for Beyond-5G Wireless Communication: Challenges and Opportunities. , 2021, , .		5
8	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
9	DESIGN TECHNIQUE FOR VARACTOR ANALOG PHASE SHIFTERS WITH EQUALIZED LOSSES. Progress in Electromagnetics Research C, 2018, 86, 1-16.	0.9	4
10	Quasi-Optical Beamforming Network for Millimeter-Wave Electronically Scanned Array Antennas with 1-Bit Phase Resolution. , 2021, , .		4
11	Low-loss K-band Photoconductive Switches in SIW Technology. , 2021, , .		4
12	Phase Distribution Optimization for 1-Bit Transmitarrays with Near-Field Coupling Feeding Technique. , 2020, , .		4
13	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
14	MM-wave Patch Antenna with Embedded Photoconductive Elements for 1-bit Phase Shifting. , 2019, , .		3
15	Design approach for microstrip PIN-diode phase shifters with equalized losses. , 2017, , .		2
16	Analog varactor phase shifter. , 2017, , .		2
17	Method for Phased Antenna Array Autofocusing with Amplitude-only Measurements. , 2019, , .		2
18	Beam steering performance of wideband cavity-backed patch antenna array element. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Experimental Study of a Low-profile Wideband Antenna Array Unit Cell with Integrated EBG Structure. , 2019, , .		1
20	Millimeter-Wave Quasi-Optical Feeds for Linear Array Antennas in Gap Waveguide Technology. , 2022, , .		1
21	Frequency-domain synthesis of tapered slot antennas. , 2017, , .		0
22	Formation and Processing of Noise-Like Signals in Ultra-Wideband Systems. , 2019, , .		0
23	Design of RF filters with high selectivity on monolithic ceramic blocks. ITM Web of Conferences, 2019, 30, 06001.	0.5	0
24	DESIGN OF COMPACT BANDPASS QUASI-ELLIPTIC MICROSTRIP FILTERS. Journal of the Russian Universities Radioelectronics, 2019, , 41-53.	0.2	0