

# Oleksandr Sushko

## List of Publications by Year in descending order

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29  
papers

200  
citations

1307594

7  
h-index

1125743

13  
g-index

30  
all docs

30  
docs citations

30  
times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance C/Ku band dual polarization feed system for 25 meters Cassegrain reflector antenna. , 2022, , .		0
2	Modified design of the deployable mesh reflector antenna for mini satellites. CEAS Space Journal, 2021, 13, 533-542.	2.3	10
3	70-110 GHz On-wafer Probe Station S-parameters Measurements of Planar Multenna. Radioelectronics and Communications Systems, 2021, 64, 293-299.	0.5	0
4	Wideband X-band Multilayer Reflectarray on Thin Dielectric Substrates. Radioelectronics and Communications Systems, 2021, 64, 584-591.	0.5	1
5	Quasi-Optical Sub-THz Circular Dichroism Spectroscopy of Solvated Myoglobin. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 348-357.	3.1	8
6	Application of sub-THz Circular Dichroism Quasi-Optics to Probe the Conformality of Solvated Protein. , 2019, , .		1
7	Estimation of dark and active dielectric constants in the sub-THz frequency domain of an optically tunable organic semiconductor blend of poly(3-hexylthiophene) and phenyl-C61-butyric acid methyl ester. Applied Physics Express, 2018, 11, 061601.	2.4	2
8	Comparative Study of Sub-THz FSS Filters Fabricated by Inkjet Printing, Microprecision Material Printing, and Photolithography. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 184-190.	3.1	34
9	From simulations to measurements: prototyping an antenna for non-linear applications at sub-THz frequencies. IET Microwaves, Antennas and Propagation, 2017, 11, 304-309.	1.4	4
10	Measurements of non-linear sub-THz quasi-optical devices. , 2017, , .		3
11	Introducing quasi-optical terahertz circular dichroism spectroscopy. , 2017, , .		1
12	Dual band feed horn for mm-wave applications. , 2017, , .		1
13	Low-Pass FSS for 50-230 GHz Quasi-Optical Demultiplexing for the MetOp Second-Generation Microwave Sounder Instrument. IEEE Transactions on Antennas and Propagation, 2017, 65, 5312-5321.	5.1	10
14	Dynamic organic lens using photosensitive semiconductor (P3HT:PCBM) for millimetre-wave applications. , 2017, , .		1
15	Characterisation of a quasi-optical transmissometer for precise measurement of a sub-THz multenna. , 2017, , .		3
16	Low-cost inkjet-printed FSS band-pass filters for 100 and 300 GHz. , 2016, , .		3
17	Investigation of frequency-tripling performance of Schottky diode based multennas to 0.3 THz. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Higher harmonic generation: Coupling two radiating elements at two different frequencies. , 2016, , .		0
20	Crystal structure of CobK reveals strand-swapping between Rossmann-fold domains and molecular basis of the reduced precorrin product trap. Scientific Reports, 2015, 5, 16943.	3.3	7
21	Optically-tunable organic semiconductor heterojunction P3HT-PCBM for millimeter-wave applications. , 2015, , .		4
22	Sub-terahertz spectroscopy as a probe for protein stability in an ionic environment. , 2015, , .		0
23	Sub-terahertz spectroscopy reveals that proteins influence the properties of water at greater distances than previously detected. Journal of Chemical Physics, 2015, 142, 055101.	3.0	64
24	Comparing Terahertz transmission response on pH-dependent apomyoglobin proteins dynamics with circular dichroism. , 2014, , .		1
25	Terahertz Spectral Domain Computational Analysis of Hydration Shell of Proteins with Increasingly Complex Tertiary Structure. Journal of Physical Chemistry B, 2013, 117, 16486-16492.	2.6	19
26	Analysis of optical thickness determination of materials by THz-TDS. Journal of Physics: Conference Series, 2013, 472, 012005.	0.4	1
27	Revised metrology for enhanced accuracy in complex optical constant determination by THz-time-domain spectrometry. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 979.	1.5	15
28	Interpretation of THz absorption spectra of dissolved proteins using molecular dynamics simulations. , 2013, , .		0
29	Interpretive modeling of THz response of biomolecules as filter circuits. , 2012, , .		0