

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	Sub-terahertz spectroscopy reveals that proteins influence the properties of water at greater distances than previously detected. <i>Journal of Chemical Physics</i> , 2015, 142, 055101.	3.0	64
2	Comparative Study of Sub-THz FSS Filters Fabricated by Inkjet Printing, Microprecision Material Printing, and Photolithography. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 184-190.	3.1	34
3	Terahertz Spectral Domain Computational Analysis of Hydration Shell of Proteins with Increasingly Complex Tertiary Structure. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16486-16492.	2.6	19
4	Revised metrology for enhanced accuracy in complex optical constant determination by THz-time-domain spectrometry. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 979.	1.5	15
5	Low-Pass FSS for 50–230 GHz Quasi-Optical Demultiplexing for the MetOp Second-Generation Microwave Sounder Instrument. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 5312-5321.	5.1	10
6	Modified design of the deployable mesh reflector antenna for mini satellites. <i>CEAS Space Journal</i> , 2021, 13, 533-542.	2.3	10
7	Quasi-Optical Sub-THz Circular Dichroism Spectroscopy of Solvated Myoglobin. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 348-357.	3.1	8
8	Crystal structure of CobK reveals strand-swapping between Rossmann-fold domains and molecular basis of the reduced precorrin product trap. <i>Scientific Reports</i> , 2015, 5, 16943.	3.3	7
9	Optically-tunable organic semiconductor heterojunction P3HT-PCBM for millimeter-wave applications. , 2015, , .		4
10	From simulations to measurements: prototyping an antenna for non-linear applications at sub-THz frequencies. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 304-309.	1.4	4
11	Low-cost inkjet-printed FSS band-pass filters for 100 and 300 GHz. , 2016, , .		3
12	Investigation of frequency-tripling performance of Schottky diode based multennas to 0.3 THz. , 2016, , .		3
13	Measurements of non-linear sub-THz quasi-optical devices. , 2017, , .		3
14	Characterisation of a quasi-optical transmissometer for precise measurement of a sub-THz multenna. , 2017, , .		3
15	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. <i>Applied Physics Express</i> , 2018, 11, 061601.	2.4	2
16	Analysis of optical thickness determination of materials by THz-TDS. <i>Journal of Physics: Conference Series</i> , 2013, 472, 012005.	0.4	1
17	Comparing Terahertz transmission response on pH-dependent apomyoglobin proteins dynamics with circular dichroism. , 2014, , .		1
18	Introducing quasi-optical terahertz circular dichroism spectroscopy. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Dual band feed horn for mm-wave applications. , 2017, , .		1
20	Dynamic organic lens using photosensitive semiconductor (P3HT:PCBM) for millimetre-wave applications. , 2017, , .		1
21	Application of sub-THz Circular Dichroism Quasi-Optics to Probe the Conformality of Solvated Protein. , 2019, , .		1
22	Wideband X-band Multilayer Reflectarray on Thin Dielectric Substrates. Radioelectronics and Communications Systems, 2021, 64, 584-591.	0.5	1
23	Interpretive modeling of THz response of biomolecules as filter circuits. , 2012, , .		0
24	Interpretation of THz absorption spectra of dissolved proteins using molecular dynamics simulations. , 2013, , .		0
25	Sub-terahertz spectroscopy as a probe for protein stability in an ionic environment. , 2015, , .		0
26	Higher harmonic generation: Coupling two radiating elements at two different frequencies. , 2016, , .		0
27	70-110 GHz On-wafer Probe Station S-parameters Measurements of Planar Multenna. Radioelectronics and Communications Systems, 2021, 64, 293-299.	0.5	0
28	High performance C/Ku band dual polarization feed system for 25 meters Cassegrain reflector antenna. , 2022, , .		0