

Olga A Smolyanskaya

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

271

citations

7

h-index

16

g-index

31

ext. papers

376

ext. citations

2.1

avg, IF

2.75

L-index

#	Paper	IF	Citations
26	Single-scan multiplane phase retrieval with a radiation of terahertz quantum cascade laser. <i>Applied Physics B: Lasers and Optics</i> , 2022 , 128, 1	1.9	2
25	Terahertz high-resolution spectroscopy of thermal decomposition gas products of diabetic and non-diabetic blood plasma and kidney tissue pellets. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	1
24	Terahertz spectroscopy of diabetic and non-diabetic human blood plasma pellets. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	7
23	Optical Properties of Crystalline Lactose Fluidized with Dilutions of Various Substances in the Terahertz Frequency Range.. <i>Pharmaceutics</i> , 2021 , 14,	6.4	2
22	Terahertz phase retrieval imaging in reflection. <i>Optics Letters</i> , 2020 , 45, 4168-4171	3	10
21	Self-damping of the relaxation oscillations in miniature pulsed transmitter for sub-nanosecond-precision, long-distance LIDAR. <i>Results in Physics</i> , 2020 , 19, 103509	3.7	0
20	Fast Terahertz Spectroscopic Holographic Assessment of Optical Properties of Diabetic Blood Plasma. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020 , 41, 1041-1056	2.2	6
19	Multimodal Optical Diagnostics of Glycated Biological Tissues. <i>Biochemistry (Moscow)</i> , 2019 , 84, S124-S143	3.3	9
18	Terahertz spectra of drug-laden magnetic nanoparticles 2019 ,		1
17	Terahertz pulse time-domain holography method for phase imaging of breast tissue 2019 ,		2
16	A comparison of terahertz optical constants and diffusion coefficients of tissue immersion optical clearing agents 2019 ,		3
15	The terahertz pulse time-domain holography method for phase imaging of breast tissue sample 2019 ,		2
14	Glycerol dehydration of native and diabetic animal tissues studied by THz-TDS and NMR methods. <i>Biomedical Optics Express</i> , 2018 , 9, 1198-1215	3.5	45
13	A potential of terahertz solid immersion microscopy for visualizing sub-wavelength-scale tissue spheroids 2018 ,		13
12	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. <i>Progress in Quantum Electronics</i> , 2018 , 62, 1-77	9.1	113
11	Interaction of terahertz radiation with tissue phantoms: numerical and experimental studies. <i>EPJ Web of Conferences</i> , 2018 , 195, 10012	0.3	
10	Study of blood plasma optical properties in mice grafted with Ehrlich carcinoma in the frequency range 0.1-0.1 THz. <i>Quantum Electronics</i> , 2017 , 47, 1031-1040	1.8	11

9	Features of the terahertz spectra of iron oxide nanoparticles in a silicon dioxide shell and of iron oxide and hydroxide nanoparticles. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2017 , 84, 515	0.9	2
8	Stimulation of neurite growth under broadband pulsed THz radiation. <i>Physics of Wave Phenomena</i> , 2014 , 22, 197-201	1.2	1
7	Scattering anisotropy of cellular cultures of leukemia lines in the THz frequency range. <i>Physics of Wave Phenomena</i> , 2014 , 22, 216-218	1.2	
6	Numerical and experimental studies of mechanisms underlying the effect of pulsed broadband terahertz radiation on nerve cells. <i>Quantum Electronics</i> , 2014 , 44, 707-712	1.8	20
5	Study of the action of broad-band terahertz radiation on the functional activity of cells. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2013 , 80, 655	0.9	3
4	Application of femtotechnologies and terahertz spectroscopy methods in cataract diagnostics. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011 , 111, 257-261	0.7	4
3	Transmission of femtosecond laser pulses through an optical fiber. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2010 , 77, 297	0.9	1
2	Study of how radiation of the frequency range 0.05-2THz affects biological tissues of various thickness in medical diagnosis. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2010 , 77, 731	0.9	4
1	Temperature dynamics of the optical properties of lipids in vitro. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2003 , 70, 811	0.9	7