Ilya A Ozheredov

List of Publications by Year
in descending order

25 papers	376 citations	1464605 7 h-index	1051228 16 g-index
26 all docs	26 docs citations	26 times ranked	409 citing authors

#	Article	IF	Citations
1	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. Progress in Quantum Electronics, 2018, 62, 1-77.	3.5	204
2	Characteristic responses of biological and nanoscale systems in the terahertz frequency range. Quantum Electronics, 2014, 44, 614-632.	0.3	40
3	In vivoTHz sensing of the cornea of the eye. Laser Physics Letters, 2018, 15, 055601.	0.6	38
4	Interaction of High-Intensity Femtosecond Radiation With Gas Cluster Beam: Effect of Pulse Duration on Joint Terahertz and X-Ray Emission. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 70-79.	2.0	29
5	Assessment of the degree of hydration of ocular surface tissues using THz reflectometry. Quantum Electronics, 2020, 50, 61-68.	0.3	10
6	Selfaction effects of femtosecond laser pulses in dye-doped 5CB liquid crystal. Laser Physics Letters, 2006, 3, 357-361.	0.6	8
7	A flexible terahertz waveguide for delivery and filtering of quantum-cascade laser radiation. Applied Physics Letters, 2018, 113, .	1.5	7
8	New approach to terahertz diagnostics of human psychoemotional state. Quantum Electronics, 2019, 49, 70-77.	0.3	7
9	Potential clinical applications of terahertz reflectometry for the assessment of the tear film stability. Optical Engineering, 2020, 59, 1.	0.5	7
10	The Growth and Properties of Guanylurea Hydrogen Phosphite Crystal. Crystallography Reports, 2019, 64, 669-677.	0.1	6
11	A terahertz spectroscopic study of chitosan-based bionanocomposites containing clay nanoparticles. Colloid Journal, 2016, 78, 189-195.	0.5	5
12	Terahertz Heterodyne Receiver with an Electron-Heating Mixer and a Heterodyne Based on the Quantum-Cascade Laser. Radiophysics and Quantum Electronics, 2017, 60, 518-524.	0.1	3
13	A monoclinic semiorganic molecular crystal GUHP for terahertz photonics and optoelectronics. Scientific Reports, 2021, 11, 23433.	1.6	3
14	Application of a Terahertz Multi-Frequency Radiation Source Based on Quantum-Cascade Lasers for Identification of Substances Basing on the Amplitude-Spectral Analysis of the Scattered Field. Radiophysics and Quantum Electronics, 2018, 60, 877-888.	0.1	2
15	Light-induced director reorientation in nematic liquid crystal under femtosecond pulses. , 2002, , .		2
16	<title>Femtosecond microspectrophotometer for measurement of efficient yield of two-photon photoreactions</title>. , 1998, , .		1
17	Optical diffraction and second harmonic generation with femtosecond laser pulses in chiral Sm-C* liquid crystals. , 1999, , .		1
18	Evaluation of the psychoemotional human state via terahertz image of the face. , 2019, , .		1

#	Article	IF	Citations
19	Optical Properties of Photobleached DAST Molecular Crystals in Terahertz Domain. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1082-1088.	1.2	1
20	A Multi-Frequency Terahertz Quantum-Cascade Laser for Atmospheric Probing and Detection of Small Impurities. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 T	0.1	
21	Dye laser with intracavity Kerr nonlinearity. , 1996, , .		0
22	Femtosecond frequency doubling in PPLN crystal in Laue scheme. Proceedings of SPIE, 2007, , .	0.8	0
23	Terahertz Response from a Silicon Surface with Deposited Nanosized Gold Particles. Optoelectronics, Instrumentation and Data Processing, 2019, 55, 468-473.	0.2	0
24	Molecular crystal (GUHP) for narrow-band pulsed THz generation with NIR femtosecond laser. , 2021, , .		0
25	Terahertz dielectric properties of guanylurea hydrogen phosphite crystal. , 2021, , .		0