

Maxim G Gladush

List of Publications by Year in descending order

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38
papers

256
citations

933410

10
h-index

940516

16
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all docs

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docs citations

38
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic superflares of photoluminescence from a single microdiamond with germanium-vacancy color centers: A general phenomenon or a unique observation. <i>Physical Review B</i> , 2020, 102, .	3.2	4
2	Characterization of Dielectric Solids with Single Quantum Emitters: From Measuring at the Nano-Scale to Mapping at Micro- and Macro-Level. , 2019, , .		0
3	Dispersion of Lifetimes of Excited States of Single Molecules in Organic Matrices at Ultralow Temperatures. <i>Journal of Experimental and Theoretical Physics</i> , 2019, 128, 655-663.	0.9	8
4	Configuration Resonance and Generation Rate of Surface Plasmon Polaritons Excited by Semiconductor Quantum Dots near a Metal Surface. <i>Optics and Spectroscopy (English Translation of) Tj ETQq0 0 OrgBT /Overlock 10 T</i>		
5	The method of surface plasmon-polariton pulses generation via cooperative effects in waveguide spaser. <i>Journal of Physics: Conference Series</i> , 2018, 951, 012033.	0.4	2
6	XIII International Conference on Hole Burning, Single Molecule, and Related Spectroscopies: Science and Applications (HBSM-2018): preface. <i>EPJ Web of Conferences</i> , 2018, 190, 00001.	0.3	0
7	Measuring Fluctuations in the Intensity of a Single Point-Like Luminescence Emitter: Artifacts in Processing Microscopic Images. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 1482-1486.	0.6	3
8	Local and macroscopic characterization with single molecules and single quantum emitters. <i>EPJ Web of Conferences</i> , 2018, 190, 03002.	0.3	0
9	Spontaneous transitions to enhanced fluorescence for GeV centers in a single microcrystalline diamond. <i>EPJ Web of Conferences</i> , 2018, 190, 04012.	0.3	0
10	Absorption and emission properties of QD-like particles. <i>EPJ Web of Conferences</i> , 2018, 190, 04021.	0.3	0
11	Luminescence Microscopy of Single Quantum Dot Pairs with Nanometer Spatial Resolution. <i>JETP Letters</i> , 2018, 108, 30-37.	1.4	15
12	Micro-Refractometry and Local-Field Mapping with Single Molecules. <i>Nano Letters</i> , 2018, 18, 6129-6134.	9.1	31
13	A many-particle quantum-kinetic formalism for describing properties of light emitters in frozen dielectrics. <i>EPJ Web of Conferences</i> , 2017, 132, 03007.	0.3	4
14	Formation of plasmon pulses in the cooperative decay of excitons of quantum dots near a metal surface. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 18-31.	0.9	16
15	Cooperative effects and slow dynamics of fluorescence intensity from quantum emitters in a dielectric. <i>EPJ Web of Conferences</i> , 2017, 132, 03029.	0.3	2
16	Formation of nonclassical states of vortex solitons in optical fibers with quantum dots. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2016, 121, 729-735.	0.6	2
17	Quantum-Kinetic Approach to Deriving Optical Bloch Equations for Light Emitters in a Weakly Absorbing Dielectric. <i>EPJ Web of Conferences</i> , 2015, 103, 02004.	0.3	1
18	Local-Field Effects in the Zero-Phonon Spectral Lines of Single Impurity Molecules in Solid Matrices at Low Temperatures. <i>EPJ Web of Conferences</i> , 2015, 103, 05001.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Stable Luminescence of Single Quantum Emitters: Applications in Quantum Optics. EPJ Web of Conferences, 2015, 103, 05004.	0.3	0
20	Three-Dimensional Dissipative Optical Solitons in a Dielectric Medium with Quantum Dots. EPJ Web of Conferences, 2015, 103, 04004.	0.3	0
21	Cooperative Effects in Quartz Media with Quantum Dots. EPJ Web of Conferences, 2015, 103, 07003.	0.3	1
22	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. Faraday Discussions, 2015, 184, 275-303.	3.2	13
23	Dissipative Laser Bullets in a Dielectric Metamaterial with Quantum Dots. Physics Procedia, 2015, 73, 7-14.	1.2	1
24	Single-molecule spectromicroscopy: a route towards sub-wavelength refractometry. Faraday Discussions, 2015, 184, 263-274.	3.2	18
25	Dissipative laser bullets in dielectric media containing quantum dots. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2015, 119, 497-512.	0.6	5
26	The effect of atomic and optical perturbations on formation and propagation of vortex solitons in a dense atomic media of gas-filled hollow-core optical fibers. European Physical Journal D, 2014, 68, 1.	1.3	14
27	Dynamical instabilities of spectroscopic transitions in dense resonant media. Laser Physics Letters, 2013, 10, 045401.	1.4	8
28	Resonance Fluorescence of Optically Dense Ensembles of Three-Level Resonant Centers Under Conditions of Energy-Level Population Auto-Oscillations*. Journal of Applied Spectroscopy, 2013, 80, 698-706.	0.7	3
29	The optical control of spatial dissipative solitons in optical fibers filled with a cold atomic gas. , 2013, , .		0
30	Formation and optical control of dissipative vortex solitons in hollow-core optical fibres filled with a cold atomic gas. Quantum Electronics, 2012, 42, 616-624.	1.0	0
31	Performance testing of seawater desalination by nanofiltration. Petroleum Chemistry, 2012, 52, 465-474.	1.4	13
32	Dissipative optical solitons in dense media with optical pumping. Journal of Experimental and Theoretical Physics, 2012, 115, 1-14.	0.9	7
33	Enhancement of fusion rates due to quantum effects in the particles momentum distribution in nonideal plasma media. European Physical Journal D, 2012, 66, 1.	1.3	11
34	Local field and radiative relaxation rate in a dielectric medium. Journal of Experimental and Theoretical Physics, 2011, 113, 647-658.	0.9	45
35	Emission spectra and intrinsic optical bistability in a two-level medium. European Physical Journal D, 2011, 64, 511-520.	1.3	9
36	Using BBGKY hierarchies to study the effect of the local field on the rate of radiative relaxation of quantum systems in a dielectric medium. Theoretical and Mathematical Physics(Russian Federation), 2011, 168, 1078-1095.	0.9	12

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37	Local field effects and stimulated multimode scattering of resonance radiation in a two-level medium. Journal of Experimental and Theoretical Physics, 2006, 103, 206-217.	0.9	3
38	Influence of the cooperative effects on the emission and absorption spectra of atoms in a strong field. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2002, 92, 896-903.	0.6	0