Ilia L Rasskazov

List of Publications by Year
in descending order

39	632	566801 15	610482 24
papers	citations	h-index	g-index

39	39	39	572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Is There a Proper Figure of Merit for a Plasmonic Structure Involved in Metal-Enhanced Fluorescence?. Plasmonics, 2022, 17, 1091-1094.	1.8	1
2	Remarkable Predictive Power of the Modified Long Wavelength Approximation. Journal of Physical Chemistry C, 2021, 125, 1963-1971.	1.5	10
3	Multipolar Lattice Resonances in Plasmonic Finite-Size Metasurfaces. Photonics, 2021, 8, 109.	0.9	10
4	Collective lattice resonances: Plasmonics and beyond. Reviews in Physics, 2021, 6, 100051.	4.4	108
5	Extraordinary Fluorescence Enhancement in Metal-Dielectric Coreâ€“Shell Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 6425-6430.	2.1	12
6	Substrate-mediated lattice Kerker effect in Al metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C78.	0.9	5
7	Clustering diffused-particle method for scattering from large ensembles of electromagnetically polarizable particles. Physical Review B, 2021, 104, .	1.1	1
8	Plasmonic lattice Kerker effect in ultraviolet-visible spectral range. Physical Review B, 2021, 103, .	1.1	16
9	Harnessing superdirectivity in dielectric spherical multilayer antennas. Physical Review B, 2021, 104, .	1.1	6
10	Excitation of a homogeneous dielectric sphere by a point electric dipole. Journal of Physics: Conference Series, 2021, 2015, 012043.	0.3	0
11	Metal-enhanced fluorescence: More than we thought. , 2021, , .		0
12	Collective resonances in hybrid photonic-plasmonic nanostructures. Journal of Physics: Conference Series, 2020, 1461, 012046.	0.3	0
13	Critical Role of Shell in Enhanced Fluorescence of Metalâ€“Dielectric Coreâ€“Shell Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 13365-13373.	1.5	43
14	Plasmonic nano-shells: atomistic discrete interaction versus classic electrodynamics models. Physical Chemistry Chemical Physics, 2020, 22, 13467-13473.	1.3	14
15	Collective Lattice Resonances in All-Dielectric Nanostructures under Oblique Incidence. Photonics, 2020, 7, 24.	0.9	19
16	Engineering novel tunable optical high-Q nanoparticle array filters for a wide range of wavelengths. Optics Express, 2020, 28, 1426.	1.7	18
17	Intriguing branching of the maximum position of the absorption cross section in Mie theory explained. Optics Letters, 2020, 45, 4056.	1.7	5
18	STRATIFY: a comprehensive and versatile MATLAB code for a multilayered sphere. OSA Continuum, 2020, 3, 2290.	1.8	24

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19	Super-efficient laser hyperthermia of malignant cells with core-shell nanoparticles based on alternative plasmonic materials. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106599.	1.1	10
20	Extended Multiplicative Signal Correction for Infrared Microspectroscopy of Heterogeneous Samples with Cylindrical Domains. Applied Spectroscopy, 2019, 73, 859-869.	1.2	11
21	Collective lattice resonances in disordered and quasi-random all-dielectric metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E21.	0.9	28
22	Engineering mode hybridization in regular arrays of plasmonic nanoparticles embedded in 1D photonic crystal. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 303-308.	1.1	22
23	Electromagnetic energy in multilayered spherical particles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1591.	0.8	15
24	Collective lattice resonances in arrays of dielectric nanoparticles: a matter of size. Optics Letters, 2019, 44, 5743.	1.7	47
25	Titanium nitride nanoparticles as an alternative platform for plasmonic waveguides in the visible and telecommunication wavelength ranges. Photonics and Nanostructures - Fundamentals and Applications, 2018, 30, 50-56.	1.0	9
26	Plasmon-enhanced upconversion: engineering enhancement and quenching at nano and macro scales. Optical Materials Express, 2018, 8, 3787.	1.6	13
27	Ultra-narrow surface lattice resonances in periodic structures of refractory titanium nitride nanodiscs. , 2018, , .		0
28	Thermal limiting effects in optical plasmonic waveguides. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 191, 1-6.	1.1	5
29	Refractory titanium nitride two-dimensional structures with extremely narrow surface lattice resonances at telecommunication wavelengths. Applied Physics Letters, 2017, 111, .	1.5	37
30	Dielectric Sphere Clusters as a Model to Understand Infrared Spectroscopic Imaging Data Recorded from Complex Samples. Analytical Chemistry, 2017, 89, 10813-10818.	3.2	16
31	New ideally absorbing Au plasmonic nanostructures for biomedical applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 54-61.	1.1	18
32	Thermal effects in systems of colloidal plasmonic nanoparticles in high-intensity pulsed laser fields [Invited]. Optical Materials Express, 2017, 7, 555.	1.6	16
33	Thermal effects in systems of colloidal plasmonic nanoparticles in high-intensity pulsed laser fields [Invited]: publisherâ€™s note. Optical Materials Express, 2017, 7, 799.	1.6	2
34	Overcoming the adverse effects of substrate on the waveguiding properties of plasmonic nanoparticle chains. Journal of Applied Physics, 2016, 119, .	1.1	12
35	Waveguiding properties of short linear chains of nonspherical metal nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2981.	0.9	14
36	Surface plasmon polaritons in curved chains of metal nanoparticles. Physical Review B, 2014, 90, .	1.1	20

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37	Transmission and spectral properties of short optical plasmon waveguides. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 115, 666-674.	0.2	13
38	Simulation of conditions for fabrication of optical nanowaveguides in the form of chains of spherical metal nanoparticles by electrostatic functionalization of the process substrate. Colloid Journal, 2013, 75, 279-288.	0.5	0
39	Nondecaying surface plasmon polaritons in linear chains of silver nanospheroids. Optics Letters, 2013, 38, 4743.	1.7	32