Ilia Samusev

List of Publications by Year
in descending order

49 papers	193 citations	1478505 6 h-index	1125743 13 g-index
49 all docs	49 docs citations	49 times ranked	208 citing authors

#	Article	IF	Citations
1	Microplastic content variation in water column: The observations employing a novel sampling tool in stratified Baltic Sea. Marine Pollution Bulletin, 2019, 138, 193-205.	5.0	92
2	Surface-enhanced Raman spectroscopy for antiplatelet therapy effectiveness assessment. Laser Physics Letters, 2020, 17, 045601.	1.4	17
3	Numerical FDTD-based simulations and Raman experiments of femtosecond LIPSS. Optics Express, 2021, 29, 4547.	3.4	11
4	Prospects for Raman spectroscopy in cardiology. Cardiovascular Therapy and Prevention (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	9
5	Dataset of human platelets in healthy and individuals with cardiovascular pathology obtained by surface-enhanced Raman spectroscopy. Data in Brief, 2020, 29, 105145.	1.0	7
6	The infrared spectroscopy of chitosan films doped with silver and gold nanoparticles. Journal of Polymer Engineering, 2019, 39, 415-421.	1.4	6
7	FTDT simulations of local plasmonic fields for theranostic core-shell gold-based nanoparticles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1398.	1.5	6
8	Cooperative luminescence of Yb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e240" altimg="si8.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> ions of the ytterbium oxide porous surface. Optics Communications, 2020, 459, 125006.	2.1	5
9	Effect of Silver Nanoparticles on Singletâ€“Singlet Energy Transfer Dynamics of Luminophores in Thin Films of Polyvinyl Alcohol. Journal of Applied Spectroscopy, 2014, 81, 570-576.	0.7	4
10	Plasmon Processes of Electronic Energy Transfer to Adsorbed Rhodamine 6G During Clustering of Silver Nanoparticles on the Surface of Macroporous Silica. Journal of Applied Spectroscopy, 2017, 84, 261-267.	0.7	4
11	The cell-wall structure variation in Mycobacterium tuberculosis with different drug sensitivity using Raman spectroscopy in the high-wavenumber region. Laser Physics Letters, 2020, 17, 065602.	1.4	3
12	Application of quantum dots CdZnSeS / ZnS luminescence, enhanced by plasmons of silver rough surface for detection of albumin in blood facies of infected person. , 2017, , .		3
13	FTDT numerical calculatons of local plasmonic fields for multilayer gold nanoparticles-agents for theranostics. , 2020, , .		3
14	IoT-Based Response Time Analysis of Messages for Smart Autonomous Collision Avoidance System Using Controller Area Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-18.	1.2	3
15	Effect of Temperature on the Rate of Tripletâ€“Triplet Annihilation of 1,2-Benzanthracene in a Polymer Matrix. Journal of Applied Spectroscopy, 2004, 71, 54-59.	0.7	2
16	Deactivation of rhodamine 6G triplet-excited molecules and diffusion of nanoparticles in waterâ€“alcohol solutions. Journal of Applied Spectroscopy, 2009, 76, 777-782.	0.7	2
17	Dynamics of colloid silver nanoparticles in an evaporating water drop. Russian Physics Journal, 2012, 54, 1280-1285.	0.4	2
18	Thermal Dynamics of Xanthene Dye in Polymer Matrix Excited by Double Pulse Laser Radiation. Journal of Physics: Conference Series, 2018, 961, 012011.	0.4	2

#	Article	IF	Citations
19	Methodology of mycobacteria tuberculosis bacteria detection by Raman spectroscopy. , 2018, , .		2
20	Spectral homogeneity of human platelets investigated by SERS. PLoS ONE, 2022, 17, e0265247.	2.5	2
21	Plasmon Enhancement of Electronic Energy Transfer Between Quantum Dots on the Surface of Nanoporous Silica. Journal of Applied Spectroscopy, 2016, 82, 961-969.	0.7	1
22	Digital holographic interferometry for the nanodisplacement measurement. , 2017, , .		1
23	Dynamics of Thermoluminescence under Dual-Wavelength Visâ€“IR Laser Excitation of Eosin Molecules in a Polyvinyl Butyral Film Containing Oxygen and Silver Nanoparticles. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 874-881.	0.6	1
24	Dataset of single Mycobacterium tuberculosis bacteria cells with different antibiotic susceptibility obtained by Raman spectroscopy. Data in Brief, 2018, 21, 2430-2434.	1.0	1
25	Eosin Thermoluminescence in Polyvinyl Alcohol Films After Doubl Vis-IR Laser Excitation in a Wide Temperature Range. Journal of Applied Spectroscopy, 2019, 86, 232-237.	0.7	1
26	Surface-enhanced Raman spectroscopy of organoluminophores adsorbed on quartz surfaces modified by hydrosols of silver and gold nanoparticles. , 2019, , .		1
27	Single human platelet study using surface-enhanced Raman spectroscopy as a perspective tool for antiplatelet therapy effectiveness prediction. , 2019, , .		1
28	Prospects for Raman spectroscopy in cardiology. Cardiovascular Therapy and Prevention (Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	1
29	Heteroannihilation of the excited states of associates and monomers of fluorescein dyes on the silica surface at low temperatures. Journal of Applied Spectroscopy, 2005, 72, 804-808.	0.7	0
30	Anomalous diffusion accompanying triplet-triplet excitation-energy transport between luminophors at a solid-liquid boundary. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2005, 72, 900.	0.4	0
31	Heterogeneous triplet-triplet annihilation of erythrosine and anthracene molecules on a fractal anodized aluminum surface. Journal of Applied Spectroscopy, 2007, 74, 230-236.	0.7	0
32	Nanoparticle diffusion probing of the structure of water and aqueous organic solutions near a porous surface and in its bulk in a wide temperature interval. Russian Physics Journal, 2009, 52, 119-126.	0.4	0
33	Dipole-Dipole Electron Excitation Energy Transfer in the System CdSe/ZnS Quantum Dot â€“ Eosin in Butyral Resin Matrix. Russian Physics Journal, 2014, 57, 920-928.	0.4	0
34	Silver nanoparticles plasmonic effect on eosin and rhodamine 6G luminescence in various media. Proceedings of SPIE, 2016, , .	0.8	0
35	Donorâ€“acceptor interactions between resonance-excited silver nanoparticles and halide ions in water solutions. Russian Journal of Physical Chemistry A, 2017, 91, 2012-2017.	0.6	0
36	Rhodamine 6G Fluorescence Quenching by an External Heavy Atom and Silver Nanoparticles at the Nanoporous-Silicaâ€“Water Boundary. Journal of Applied Spectroscopy, 2017, 84, 376-381.	0.7	0

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37	Fluorescent study of human health and septic albumin doped with Ag nanoparticles. , 2017, , .		0
38	Ytterbium nanoparticles fabricated by fs-laser ablation Raman spectroscopy study. , 2017, , .		0
39	Laser induced cell death stages investigation by Raman spectroscopy. , 2017, , .		0
40	Application of silver films with different roughness parameter for septic human serum albumin detection by Surface Enhanced Raman Spectroscopy. Journal of Physics: Conference Series, 2018, 945, 012011.	0.4	0
41	Heat wave dynamics in frozen water droplets with eosin molecules under the femtosecond excitation of a supercontinuum. Kondensirovannye Sredy Mezhfaznye Granitsy, 2021, 23, 260-272.	0.3	0
42	Spectral and time-resolved photoluminescence of human platelets doped with platinum nanoparticles. PLoS ONE, 2021, 16, e0256621.	2.5	0
43	Application of fluorescent and vibration spectroscopy for septic serum human albumin structure deformation during pathology. , 2017, , .		0
44	Visible and IR spectroscopy of ablative ytterbium nanoparticles. , 2018, , .		0
45	The participation of singlet oxygen in a photocitotoxicity of extract from amazon plant to cancer cells. , 2018, , .		0
46	Electroencephalogram-based emotion recognition using a convolutional neural network. Bulletin of Russian State Medical University, 2019, , 32-35.	0.2	0
47	Plasmon-enhanced fluorescence of nanoparticle-dye-protein complex as perspective approach for increase in fluorescent labeling effectiveness. , 2019, , .		0
48	Transformation of refractive index spectra for titanium rough surfaces. , 2020, , .		0
49	Photonics of Viburnum opulus L. Extracts in Microemulsions with Oxygen and Gold Nanoparticles. Chemosensors, 2022, 10, 130.	3.6	0