

Ilia Samusev

List of Publications by Year in descending order

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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	Photonics of <i>Viburnum opulus</i> L. Extracts in Microemulsions with Oxygen and Gold Nanoparticles. <i>Chemosensors</i> , 2022, 10, 130.	3.6	0
2	IoT-Based Response Time Analysis of Messages for Smart Autonomous Collision Avoidance System Using Controller Area Network. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-18.	1.2	3
3	Spectral homogeneity of human platelets investigated by SERS. <i>PLoS ONE</i> , 2022, 17, e0265247.	2.5	2
4	Numerical FDTD-based simulations and Raman experiments of femtosecond LIPSS. <i>Optics Express</i> , 2021, 29, 4547.	3.4	11
5	Heat wave dynamics in frozen water droplets with eosin molecules under the femtosecond excitation of a supercontinuum. <i>Kondensirovannye Sredy Mezhfaznye Granitsy</i> , 2021, 23, 260-272.	0.3	0
6	Spectral and time-resolved photoluminescence of human platelets doped with platinum nanoparticles. <i>PLoS ONE</i> , 2021, 16, e0256621.	2.5	0
7	Cooperative luminescence of Yb ³⁺ ions of the ytterbium oxide porous surface. <i>Optics Communications</i> , 2020, 459, 125006.	2.1	5
8	The cell-wall structure variation in <i>Mycobacterium tuberculosis</i> with different drug sensitivity using Raman spectroscopy in the high-wavenumber region. <i>Laser Physics Letters</i> , 2020, 17, 065602.	1.4	3
9	Surface-enhanced Raman spectroscopy for antiplatelet therapy effectiveness assessment. <i>Laser Physics Letters</i> , 2020, 17, 045601.	1.4	17
10	Dataset of human platelets in healthy and individuals with cardiovascular pathology obtained by surface-enhanced Raman spectroscopy. <i>Data in Brief</i> , 2020, 29, 105145.	1.0	7
11	FDTD simulations of local plasmonic fields for theranostic core-shell gold-based nanoparticles. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 1398.	1.5	6
12	Prospects for Raman spectroscopy in cardiology. <i>Cardiovascular Therapy and Prevention (Russian)</i> 10 Tf 50	1.4	9
13	Transformation of refractive index spectra for titanium rough surfaces. , 2020, , .		0
14	FDTD numerical calculations of local plasmonic fields for multilayer gold nanoparticles-agents for theranostics. , 2020, , .		3
15	Prospects for Raman spectroscopy in cardiology. <i>Cardiovascular Therapy and Prevention (Russian)</i> 11 0.784314 rgBT ₁ /Overlock	1.4	1
16	Eosin Thermoluminescence in Polyvinyl Alcohol Films After Double Vis-IR Laser Excitation in a Wide Temperature Range. <i>Journal of Applied Spectroscopy</i> , 2019, 86, 232-237.	0.7	1
17	The infrared spectroscopy of chitosan films doped with silver and gold nanoparticles. <i>Journal of Polymer Engineering</i> , 2019, 39, 415-421.	1.4	6
18	Microplastic content variation in water column: The observations employing a novel sampling tool in stratified Baltic Sea. <i>Marine Pollution Bulletin</i> , 2019, 138, 193-205.	5.0	92

#	ARTICLE	IF	CITATIONS
19	Surface-enhanced Raman spectroscopy of organoluminophores adsorbed on quartz surfaces modified by hydrosols of silver and gold nanoparticles. , 2019, , .		1
20	Electroencephalogram-based emotion recognition using a convolutional neural network. Bulletin of Russian State Medical University, 2019, , 32-35.	0.2	0
21	Plasmon-enhanced fluorescence of nanoparticle-dye-protein complex as perspective approach for increase in fluorescent labeling effectiveness. , 2019, , .		0
22	Single human platelet study using surface-enhanced Raman spectroscopy as a perspective tool for antiplatelet therapy effectiveness prediction. , 2019, , .		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	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
26	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
27	Methodology of mycobacteria tuberculosis bacteria detection by Raman spectroscopy. , 2018, , .		2
28	Visible and IR spectroscopy of ablative ytterbium nanoparticles. , 2018, , .		0
29	The participation of singlet oxygen in a photocitotoxicity of extract from amazon plant to cancer cells. , 2018, , .		0
30	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
31	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
32	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
33	Fluorescent study of human health and septic albumin doped with Ag nanoparticles. , 2017, , .		0
34	Ytterbium nanoparticles fabricated by fs-laser ablation Raman spectroscopy study. , 2017, , .		0
35	Digital holographic interferometry for the nanodisplacement measurement. , 2017, , .		1
36	Laser induced cell death stages investigation by Raman spectroscopy. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	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
38	Application of fluorescent and vibration spectroscopy for septic serum human albumin structure deformation during pathology. , 2017, , .		0
39	Silver nanoparticles plasmonic effect on eosin and rhodamine 6G luminescence in various media. Proceedings of SPIE, 2016, , .	0.8	0
40	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
41	Effect of Silver Nanoparticles on Singlet-Singlet Energy Transfer Dynamics of Luminophores in Thin Films of Polyvinyl Alcohol. Journal of Applied Spectroscopy, 2014, 81, 570-576.	0.7	4
42	Dipole-Dipole Electron Excitation Energy Transfer in the System CdSe/ZnS Quantum Dot - Eosin in Butyral Resin Matrix. Russian Physics Journal, 2014, 57, 920-928.	0.4	0
43	Dynamics of colloid silver nanoparticles in an evaporating water drop. Russian Physics Journal, 2012, 54, 1280-1285.	0.4	2
44	Deactivation of rhodamine 6G triplet-excited molecules and diffusion of nanoparticles in water-alcohol solutions. Journal of Applied Spectroscopy, 2009, 76, 777-782.	0.7	2
45	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
46	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
47	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
48	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
49	Effect of Temperature on the Rate of Triplet-Triplet Annihilation of 1,2-Benzanthracene in a Polymer Matrix. Journal of Applied Spectroscopy, 2004, 71, 54-59.	0.7	2