

# Viktor Loshchenov

## List of Publications by Year in descending order

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Version: 2024-02-01

190  
papers

1,367  
citations

516561

16  
h-index

414303

32  
g-index

193  
all docs

193  
docs citations

193  
times ranked

1748  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared fluorescent proteins. <i>Nature Methods</i> , 2010, 7, 827-829.	9.0	205
2	Nanocomposites Containing Silica-Coated Gold-Silver Nanocages and Yb <sup>2+</sup> -2,4-Dimethoxyhematoporphyrin: Multifunctional Capability of IR-Luminescence Detection, Photosensitization, and Photothermolysis. <i>ACS Nano</i> , 2011, 5, 7077-7089.	7.3	143
3	Evaluation of blood oxygen saturation in vivo from diffuse reflectance spectra. <i>Journal of Biomedical Optics</i> , 2001, 6, 457.	1.4	100
4	The Role of 5-ALA in Low-Grade Gliomas and the Influence of Antiepileptic Drugs on Intraoperative Fluorescence. <i>Frontiers in Oncology</i> , 2019, 9, 423.	1.3	42
5	Laser biospectroscopy and 5-ALA fluorescence navigation as a helpful tool in the meningioma resection. <i>Neurosurgical Review</i> , 2016, 39, 437-447.	1.2	41
6	An objective comparison of detection and segmentation algorithms for artefacts in clinical endoscopy. <i>Scientific Reports</i> , 2020, 10, 2748.	1.6	41
7	Stroma-Rich Co-Culture Multicellular Tumor Spheroids as a Tool for Photoactive Drugs Screening. <i>Journal of Clinical Medicine</i> , 2019, 8, 1686.	1.0	35
8	Photodynamic activity of Temoporfin nanoparticles induces a shift to the M1-like phenotype in M2-polarized macrophages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 215-222.	1.7	29
9	An energy transfer kinetic probe for OH-quenchers in the Nd <sup>3+</sup> :YPO <sub>4</sub> nanocrystals suitable for imaging in the biological tissue transparency window. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26806-26815.	1.3	28
10	Spectroscopic research of upconversion nanomaterials based on complex oxide compounds doped with rare-earth ion pairs: Benefit for cancer diagnostics by upconversion fluorescence and radio sensitive methods/Spektroskopische Untersuchung von mit Ionenpaaren Seltener Erden dotierten Upconversion-Nanokompositen: Nutzen für die Krebsdiagnostik durch Upconversion-Fluoreszenz und strahlungssensitive Methoden. <i>Photonics &amp; Lasers in Medicine</i> , 2013, 2, .	0.3	26
11	Application of aluminum phthalocyanine nanoparticles for fluorescent diagnostics in dentistry and skin autotransplantation. <i>Journal of Biophotonics</i> , 2010, 3, 336-346.	1.1	23
12	Fluorescence Diagnosis in Neurooncology: Retrospective Analysis of 653 Cases. <i>Frontiers in Oncology</i> , 2019, 9, 830.	1.3	23
13	Study of photodynamic reactions in human blood. <i>Journal of Biomedical Optics</i> , 2000, 5, 338.	1.4	21
14	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of Nd <sup>3+</sup> : LaF <sub>3</sub> and Nd <sup>3+</sup> : KY <sub>3</sub> F <sub>10</sub> nanocrystals synthesized by microwave-hydrothermal treatment. <i>Journal of Alloys and Compounds</i> , 2018, 756, 182-192.	2.8	20
15	Fluorescence quenching mechanism for water-dispersible Nd <sup>3+</sup> :KYF <sub>4</sub> nanoparticles synthesized by microwave-hydrothermal technique. <i>Journal of Luminescence</i> , 2016, 169, 722-727.	1.5	17
16	Combined treatment of nonresectable cholangiocarcinoma complicated by obstructive jaundice. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 218-223.	1.3	17
17	Application of backward diffuse reflection spectroscopy for monitoring the state of tissues in photodynamic therapy. <i>Quantum Electronics</i> , 2006, 36, 1103-1110.	0.3	16
18	Sapphire smart scalpel. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 1341-1344.	0.1	16

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19	Upconversion microparticles as time-resolved luminescent probes for multiphoton microscopy: desired signal extraction from the streaking effect. <i>Journal of Biomedical Optics</i> , 2016, 21, 096002.	1.4	15
20	Pulsed periodic laser excitation of upconversion luminescence for deep biotissue visualization. <i>Laser Physics</i> , 2016, 26, 084001.	0.6	15
21	Sapphire needle capillaries for laser medicine. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 1345-1348.	0.1	14
22	PHOTODYNAMIC INACTIVATION OF BACTERIA AND BIOFILMS USING CATIONIC BACTERIOCHLORINS. <i>Journal of Physics: Conference Series</i> , 2016, 691, 012011.	0.3	14
23	Laser-induced fluorescent visualization and photodynamic therapy in surgical treatment of glial brain tumors. <i>Biomedical Optics Express</i> , 2021, 12, 1761.	1.5	14
24	<title>Absorption spectroscopy as a tool to control blood oxygen saturation during photodynamic therapy</title>. , 1997, 3191, 58.		13
25	Fluorescence investigation of the detachment of aluminum phthalocyanine molecules from aluminum phthalocyanine nanoparticles in monocytes/macrophages and skin cells and their localization in monocytes/macrophages. <i>Photodiagnosis and Photodynamic Therapy</i> , 2014, 11, 380-390.	1.3	13
26	NIR fluorescence quenching by OH acceptors in the Nd <sup>3+</sup> doped KY <sub>3</sub> F <sub>10</sub> nanoparticles synthesized by microwave-hydrothermal treatment. <i>Journal of Alloys and Compounds</i> , 2016, 661, 312-321.	2.8	13
27	<title>Photobleaching of photosensitizers applied for photodynamic therapy</title>. , 2000, , .		12
28	Scattered and Fluorescent Photon Track Reconstruction in a Biological Tissue. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-7.	1.4	12
29	Temperature Sensing in the Short-Wave Infrared Spectral Region Using Core-Shell NaGdF <sub>4</sub> :Yb <sup>3+</sup> , Ho <sup>3+</sup> , Er <sup>3+</sup> @NaYF <sub>4</sub> Nanothermometers. <i>Nanomaterials</i> , 2020, 10, 1992.	1.9	12
30	<title>Photobleaching of endogenous fluorochroms in tissues in vivo during laser irradiation</title>. , 2001, 4241, 13.		11
31	Synthesis and luminescence of ultrafine Er <sup>3+</sup> - and Yb <sup>3+</sup> -doped Gd <sub>11</sub> SiP <sub>3</sub> O <sub>26</sub> and Gd <sub>14</sub> B <sub>6</sub> Ge <sub>2</sub> O <sub>34</sub> particles for cancer diagnostics. <i>Inorganic Materials</i> , 2013, 49, 76-81.	0.2	11
32	Near-infrared photosensitizers based on nanostructured forms of phthalocyanine derivatives. <i>Russian Journal of General Chemistry</i> , 2015, 85, 280-288.	0.3	11
33	Ex Vivo Exposure to Soft Biological Tissues by the 2- $\mu$ m All-Fiber Ultrafast Holmium Laser System. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3825.	1.3	11
34	<title>Control of photosensitizer in tissue during photodynamic therapy by means of absorption spectroscopy</title>. , 1996, , .		10
35	Spatially and spectrally resolved particle swarm optimization for precise optical property estimation using diffuse-reflectance spectroscopy. <i>Optics Express</i> , 2016, 24, 12682.	1.7	10
36	Fibreoptic diffuse-light irradiators of biological tissues. <i>Quantum Electronics</i> , 2010, 40, 746-750.	0.3	9

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37	Trials of a Fluorescent Endoscopic Video System for Diagnosis and Treatment of the Head and Neck Cancer. <i>Journal of Clinical Medicine</i> , 2019, 8, 2229.	1.0	9
38	Optimization of upconversion luminescence excitation mode for deeper in vivo bioimaging without contrast loss or overheating. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 025006.	1.1	9
39	Fluorescence imaging analysis of distribution of indocyanine green in molecular and nanoform in tumor model. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102636.	1.3	9
40	Diagnostics of a laser-induced response of capillary vessels in tissues. <i>Quantum Electronics</i> , 2002, 32, 917-922.	0.3	8
41	Laser spectroscopy technique for estimating the efficiency of photosensitisers in biological media. <i>Quantum Electronics</i> , 2006, 36, 562-568.	0.3	8
42	Synthesis and luminescent characteristics of submicron powders on the basis of sodium and yttrium fluorides doped with rare earth elements. <i>Nanotechnologies in Russia</i> , 2012, 7, 615-628.	0.7	8
43	Chlorin Nanoparticles for Tissue Diagnostics and Photodynamic Therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 22, 106-114.	1.3	8
44	Anomalous fluorescence of the spherical carbon nitride nanostructures. <i>Chemical Physics Letters</i> , 2015, 633, 95-98.	1.2	7
45	<title>Simultaneous measurement of photosensitizer absorption and fluorescence in patients undergoing photodynamic therapy</title>. , 2002, , .		6
46	Laser heating of the Y <sub>1-x</sub> Dy <sub>x</sub> PO <sub>4</sub> nanocrystals. <i>Optical Materials Express</i> , 2015, 5, 1230.	1.6	6
47	Laser-induced fluorescence diagnosis of stomach tumor. <i>Lasers in Medical Science</i> , 2020, 35, 1721-1728.	1.0	6
48	Sublingual administration of 5-aminolevulinic acid for laser-induced photodiagnostics and photodynamic therapy of oral cavity and larynx cancers. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102289.	1.3	6
49	Attenuation correction technique for fluorescence analysis of biological tissues with significantly different optical properties. <i>Frontiers of Optoelectronics</i> , 2020, 13, 360-370.	1.9	6
50	<title>Spectral fluorescent properties of tissues in vivo with excitation in the red wavelength range</title>. , 1997, , .		5
51	Influence of red laser irradiation on hemoglobin oxygen saturation and blood volume in human skin in vivo. , 2001, , .		5
52	Combined spectroscopic method for determining the fluorophore concentration in highly scattering media. <i>Bulletin of the Lebedev Physics Institute</i> , 2011, 38, 334-338.	0.1	5
53	Study of phthalocyanine derivatives as contrast agents for magnetic resonance imaging. <i>Russian Journal of General Chemistry</i> , 2015, 85, 333-337.	0.3	5
54	A spectroscopic method for simultaneous determination of protoporphyrin IX and hemoglobin in the nerve tissues at intraoperative diagnosis. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1549-1557.	0.3	5

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55	Non-invasive high-contrast infrared imaging of blood vessels in biological tissues by the backscattered laser radiation method. <i>Infrared Physics and Technology</i> , 2020, 111, 103562.	1.3	5
56	Correlation of synovial caspase-3 concentration and the photodynamic effectiveness in osteoarthritis treatment. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101669.	1.3	5
57	New approaches to diagnostics and treatment of cholangiocellular cancer based on photonics methods. <i>Frontiers of Optoelectronics</i> , 2020, 13, 352-359.	1.9	5
58	<title>Noninvasive evaluation of absolute fluorochrom concentration in various tissues in vivo by means of standard samples with modeled optical properties</title>. , 1995, , .		4
59	<title>Photosensitizer for PDT based on phosphonate phthalocyanine derivative</title>. , 1996, 2924, 86.		4
60	<title>Phenomenon of PDT-induced post-irradiation apoptosis in biological liquids cancer cells using sulphonated phthalocyanine aluminum photosensitizer</title>. , 1997, , .		4
61	Spectroscopy of nanoparticles based on Gd <sub>14</sub> B <sub>6</sub> Ge <sub>20</sub> Si <sub>34</sub> polycrystals and La <sub>2</sub> O <sub>3</sub> ·B <sub>2</sub> O <sub>3</sub> glasses, activated by Nd <sup>3+</sup> ions, for cancer diagnostics. <i>Quantum Electronics</i> , 2011, 40, 1094-1097.	0.3	4
62	Gonarthitis photodynamic therapy with chlorin e6 derivatives. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 88-93.	1.3	4
63	PHOTONIC METHODS FOR QUALITY EVALUATION OF SKIN ENGRAFTMENT. <i>Biomedical Photonics</i> , 2016, 5, 30-40.	0.3	4
64	Achieving high NIR-to-NIR conversion efficiency by optimization of Tm <sup>3+</sup> content in Na(Gd,Yb)F <sub>4</sub> : Tm upconversion luminophores. <i>Laser Physics Letters</i> , 2020, 17, 125701.	0.6	4
65	On the possibility of photodynamic inactivation of tracheobronchial tree pathogenic microbiota using methylene blue (in vitro study). <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102753.	1.3	4
66	Study of synthesis temperature effect on <sup>12</sup> -NaGdF <sub>4</sub> : Yb <sup>3+</sup> , Er <sup>3+</sup> upconversion luminescence efficiency and decay time using maximum entropy method. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 024005.	1.1	4
67	<title>Spectra changes of whole blood with sulphonated aluminum phthalocyanine photosensitizer during photodynamic therapy in vitro</title>. , 1996, , .		3
68	<title>Systemic estimation of the effect of photodynamic therapy of cancer</title>. , 1997, 3191, 187.		3
69	<title>Improvement of cancer PDT using sulphophthalocyanine and sodium ascorbate</title>. , 1997, , .		3
70	<title>Experimental study of PDT with aluminum sulphophthalocyanine using sodium ascorbate and hyperbaric oxygenation</title>. , 1999, , .		3
71	Influence of parameters of laser irradiation on the mechanisms of tumor damage due to PDT. , 2001, , .		3
72	Experimental and Monte Carlo investigation of visible diffuse-reflectance imaging sensitivity to diffusing particle size changes in an optical model of a bladder wall. <i>Applied Physics B: Lasers and Optics</i> , 2011, 105, 631-639.	1.1	3

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73	Numerical modelling and in vivo analysis of fluorescent and laser light backscattered from glial brain tumors. , 2012, , .		3
74	Photodynamic effect of iron(III) oxide nanoparticles coated with zinc phthalocyanine. Russian Journal of General Chemistry, 2015, 85, 338-340.	0.3	3
75	Crystalline organic nanoparticles for diagnosis and PDT. , 2015, , .		3
76	Photosensitizers for antibacterial photodynamic therapy based on tetracationic derivatives of synthetic bacteriochlorins. Laser Physics Letters, 2018, 15, 115602.	0.6	3
77	Heating and Cooling Transients in the DyPO4 Nanocrystals under Femtosecond Laser Irradiation in the NIR Spectral Range. Physics of Wave Phenomena, 2018, 26, 198-206.	0.3	3
78	Evaluation of vulvar leukoplakia photodynamic therapy efficiency by fluorescent diagnostics method with local «Alasens» photosensitizer application. Photodiagnosis and Photodynamic Therapy, 2019, 27, 105-110.	1.3	3
79	Influence of Y/Gd ratio on phase formation and spectroscopic properties of NaGd <sub>0.8</sub> Y <sub>x</sub> Yb <sub>0.17</sub> Er <sub>0.03</sub> F <sub>4</sub> solid solutions. Laser Physics Letters, 2019, 16, 035604.	0.6	3
80	Fluorescence visualization of the borders of bladder tumors after TUR with quantitative determination of diagnostic contrast. Translational Biophotonics, 2020, 2, e201900026.	1.4	3
81	Nanostructured photosensitizer based on a tetracationic derivative of bacteriochlorin for antibacterial photodynamic therapy. Bulletin of Russian State Medical University, 2019, , 74-78.	0.3	3
82	Intraoperative Control of Hemoglobin Oxygen Saturation in the Intestinal Wall during Anastomosis Surgery. Photonics, 2021, 8, 427.	0.9	3
83	NEAR INFRARED IMAGING FOR ANGIOGRAPHY IN DIABETIC PATIENTS WITH PERIPHERAL ARTERY DISEASE. Biomedical Photonics, 2017, 6, 4-11.	0.3	3
84	NONINVASIVE ESTIMATION OF THE LOCAL TEMPERATURE OF BIOTISSUES HEATING UNDER THE ACTION OF LASER IRRADIATION FROM THE LUMINESCENCE SPECTRA OF Nd <sup>3+</sup> IONS. Biomedical Photonics, 2018, 7, 25-36.	0.3	3
85	Optical spectroanalyzer with extended dynamic range for pharmacokinetic investigations of photosensitizers in biotissue. Biomedical Photonics, 2019, 8, 46-51.	0.3	3
86	Spontaneous Raman spectroscopy for intracranial tumors diagnostics ex vivo. Biomedical Photonics, 2020, 9, 4-12.	0.3	3
87	Method of oxygenation saturation evaluation of stomach mucous after subtotal cancer resection. , 1994, 2328, 98.		2
88	<title>Spectra line separation method for sophisticated data analysis of biological tissue optical spectra</title>. , 1994, , .		2
89	<title>Synthesis of some water soluble diphthalocyanines of rare earth elements as perspective synthetic PDT dyes</title>. , 1994, 2078, 521.		2
90	<title>Phosphosubstituted phthalocyanine derivatives as effective photosensitizers for PDT</title>. , 1997, , .		2

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91	Oxygen consumption during photodynamic reactions in human blood. , 1998, 3254, 461.		2
92	<title>Influence of light irradiation on blood oxygen saturation level in vitro and in vivo during photodynamic therapy</title>. , 1998, 3247, 128.		2
93	<title>Spectral and imaging fluorescence analysis with ALA-induced protoporphyrin IX with the aim to increase the efficiency of bladder transurethral resections</title>. , 2001, , .		2
94	Multi-spectral imaging of oxygen saturation. , 2007, , .		2
95	Sapphire Smart Scalpel. , 2010, , .		2
96	Obtainment of chimeric blastocysts of mice by methods of laser nanosurgery. Russian Journal of Developmental Biology, 2013, 44, 302-306.	0.1	2
97	Impact of holmium fibre laser radiation ( $\lambda = 2.1 \mu\text{m}$ ) on the spinal cord dura mater and adipose tissue. Quantum Electronics, 2015, 45, 781-784.	0.3	2
98	The study of laser induced fluorescence of tooth hard tissues with aluminum phthalocyanine nanoparticles. Journal of Physics: Conference Series, 2016, 737, 012048.	0.3	2
99	Sapphire implant based neuro-complex for deep-lying brain tumors phototheranostics. Journal of Physics: Conference Series, 2018, 945, 012009.	0.3	2
100	Spectroscopic Measurement of Methylene Blue Distribution in Organs and Tissues of Hamadryas Baboons during Oral Administration. Photonics, 2021, 8, 294.	0.9	2
101	Phototherapy of Brain Tumours Using a Fibre Optic Neurosystem. Photonics, 2021, 8, 462.	0.9	2
102	Near-infrared fluorescence imaging with indocyanine green in diabetic patient with critical limb ischemia: a case report. Diabetes Mellitus, 2018, 21, 319-324.	0.5	2
103	Study of possibility of cell recognition in brain tumors. Frontiers of Optoelectronics, 2020, 13, 371-380.	1.9	2
104	<title>Spectral-autofluorescent diagnostics of stomach and lung cancer</title>. , 1992, , .		1
105	Dynamics of the binding and change of photosensitizers of phthalocyanine row concentration in malignant tumors: experimental results. , 1994, , .		1
106	<title>Identification of spectroscopic parameters of whole blood depending on its physiological properties</title>. , 1995, 2326, 319.		1
107	<title>Changes of optical parameters of moving whole blood depending on shear rate</title>. , 1996, 2923, 35.		1
108	<title>Different pathways of tumor damage due to PDT: the influence of parameters of laser irradiation</title>. , 2001, 4156, 54.		1

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109	Optimization of parodontium tissue irradiation method for fluorescent diagnostic (FD) and photodynamic therapy (PDT). , 2004, , .		1
110	<title>Development of the myocardial photodynamic revascularization method</title>. , 2004, , .		1
111	New efficient near-IR photosensitizer based on bacteriochlorin p N-methoxycycloimide oxyme methyl ester. Proceedings of SPIE, 2007, , .	0.8	1
112	Temperature control technique for laser hyperthermia. Proceedings of SPIE, 2008, , .	0.8	1
113	Decay times of radiative and non-radiative transitions in rare-earth ions. Physica Scripta, 2014, T163, 014032.	1.2	1
114	The method of intraoperative analysis of structural and metabolic changes in the area of tumor resection. , 2014, , .		1
115	Use of optical-spectral methods for in vivo noninvasive assessment of nanoparticles accumulation in biological tissues. Russian Journal of General Chemistry, 2015, 85, 341-345.	0.3	1
116	Metal nanoparticles of different shapes influence on optical properties of multilayered biological tissues. Proceedings of SPIE, 2015, , .	0.8	1
117	Fluorescent diagnostics using aluminum phthalocyanine nanoparticles as a detection method for enamel microcracks. Laser Physics Letters, 2018, 15, 125701.	0.6	1
118	Theoretical and experimental modeling of interstitial laser hyperthermia with surface cooling device using Nd <sup>3+</sup> -doped nanoparticles. Lasers in Medical Science, 2019, 34, 1421-1431.	1.0	1
119	Evaluating the dynamics of brain tissue oxygenation using near-infrared spectroscopy on various experimental models. Laser Physics Letters, 2019, 16, 115602.	0.6	1
120	Multimodal fluorescence imaging navigation for surgical guidance of malignant tumors in photosensitized tissues of neural system and other organs. , 2018, , .		1
121	Investigation of Ce6 accumulation and distribution in cell cultures of head and neck cancers. , 2019, , .		1
122	Optical fiber neurosystem for deep-lying brain tumors phototheranostics. , 2018, , .		1
123	Multispectral imaging technique for skin grafts™ functional state assessment. , 2018, , .		1
124	Near-infrared fluorescence imaging methods to evaluate blood flow state in the skin lesions. , 2018, , .		1
125	Cluster analysis of the results of intraoperative optical spectroscopic diagnostics In brain glioma neurosurgery. Biomedical Photonics, 2019, 7, 23-34.	0.3	1
126	Combined spectroscopic and video fluorescent instrument for intraoperative navigation when removing a glial tumor. , 2020, , .		1



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127	Two diagnostic criteria of optical spectroscopy for bladder tumor detection: Clinical study using 5-ALA induced fluorescence and mathematical modeling. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101829.	1.3	1
128	Comparison of the Capabilities of Spectroscopic and Quantitative Video Analysis of Fluorescence for the Diagnosis and Photodynamic Therapy Control of Cholangiocellular Cancer. Photonics, 2022, 9, 65.	0.9	1
129	Changes in Spectral Fluorescence Properties of a Near-Infrared Photosensitizer in a Nanoform as a Coating of an Optical Fiber Neuroport. Photonics, 2021, 8, 556.	0.9	1
130	<title>Multichannel fiber system for luminescence diagnostics of tumors</title>. , 1992, 1649, 135.		0
131	<title>Intrasurgical diagnostics of lymphatic nodes metastasis using laser-induced autofluorescence</title>. , 1994, , .		0
132	<title>Autofluorescent identification of head and neck cancer</title>. , 1994, 2081, 209.		0
133	<title>Perspectives of obtaining photosensitizers for near-IR range</title>. , 1994, 2078, 494.		0
134	<title>Spectroscopy analysis of tissues in vivo</title>. , 1995, , .		0
135	<title>Laser fluorescent system for endoscopic tumor diagnostic and irradiation control in photodynamic therapy</title>. , 1995, 2627, 73.		0
136	<title>Identification of spectroscopic and optical parameters of whole blood depending on its concentration and layer thickness</title>. , 1996, , .		0
137	<title>Photodynamic therapy protocol parameters</title>. , 1996, 2625, 507.		0
138	<title>Photodynamic therapy of lung cancer</title>. , 1996, , .		0
139	<title>Laser-induced fluorescence spectroscopy of AlPc4 and liposomal ZnPc in a rat bladder tumor model and correlation with PDT efficiency</title>. , 1996, , .		0
140	<title>Photodynamic therapy of gastric cancer</title>. , 1996, , .		0
141	<title>Determination of photosensitizer concentration in normal skin tissue and in skin tumor with the use of two-wavelength laser light</title>. , 1996, 2625, 519.		0
142	<title>Palliative treatment of patients with malignant structures of esophagus</title>. , 1996, , .		0
143	<title>New method of fluorescence diagnostics, photodynamic preventive maintenance, and treatment of diseases of the periodontium and mucous membrane of mouth</title>. , 1998, 3196, 206.		0
144	<title>3D visualization of hidden objects with irregular scattering or absorbing properties</title>. , 1998, 3195, 298.		0

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145	<title>Determination of optical properties of biological tissue in its depth</title>. , 1998, , .		0
146	<title>Application of 5-ALA for differential diagnostics of stomach diseases</title>. , 2001, , .		0
147	<title>Autofluorescence diagnostic of gynecological diseases ex vivo</title>. , 2001, , .		0
148	<title>ALA-containing transparent applicators on the basis of biodegradable polymers for photodynamic therapy of superficial malignancies</title>. , 2002, , .		0
149	Photodynamic therapy of acne vulgaris.. , 2003, , .		0
150	<title>Investigation of normal and pathological parodontium tissue autofluorescence images</title>. , 2004, 5486, 287.		0
151	Developing system for delivery of optical radiation in medicobiological researches. , 2004, , .		0
152	Universal power meter of light radiation for optical fiber and photodiodes. , 2004, , .		0
153	A laser-spectroscopy complex for fluorescent diagnostics and photodynamic therapy of age-related macula degeneration. , 2004, 5449, 222.		0
154	<title>Device for fluorescent control and photodynamic therapy of age-related macula degeneration</title>. , 2004, , .		0
155	<title>Measuring optical properties of microvolume biopsies</title>. , 2004, , .		0
156	The video fluorescent device for diagnostics of cancer of human reproductive system. Proceedings of SPIE, 2007, , .	0.8	0
157	Influence of vesicle size distribution on level and selectivity of accumulation of liposomal photosensitizer Tiosens in tumor. Proceedings of SPIE, 2007, , .	0.8	0
158	Biocompatible Carbon-coated 3-d Metal Nanocomposites for Therapy of Oncological Diseases. , 2010, , .		0
159	Methods of silicon nanoparticles visualizations for in-vivo application. , 2010, , .		0
160	Optical Properties Of Silicon Nanoparticles Covered With The Dye Layers. , 2010, , .		0
161	Cobalt Phthalocyanine Nanoparticles Capable Of Reversible Aggregating In Biotissues Under Physical Action. , 2010, , .		0
162	Technique for measuring laser radiation intensity in biological tissues. Photonics & Lasers in Medicine, 2013, 2, .	0.3	0

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163	Novel Photomedicine. International Journal of Photoenergy, 2014, 2014, 1-2.	1.4	0
164	Two-Stage Analysis on Models for Quantitative Differentiation of Early-Pathological Bladder States. International Journal of Photoenergy, 2014, 2014, 1-7.	1.4	0
165	Pre-processing method to improve optical parameters estimation in Monte Carlo-based inverse problem solving. Proceedings of SPIE, 2014, , .	0.8	0
166	Particle swarm optimisation algorithm for Monte Carlo-based inverse problem solving. , 2014, , .		0
167	A method of controlled skin surface cooling during photodynamic therapy and hyperthermia treatment. Russian Journal of General Chemistry, 2015, 85, 346-350.	0.3	0
168	Raman and fluorescence microscopy to study the internalization and dissolution of photosensitizer nanoparticles into living cells. Proceedings of SPIE, 2015, , .	0.8	0
169	Investigation of the aluminum phthalocyanine nanoparticles colloidal solutions pH-dependent photoluminescence kinetics in pico- and nanosecond time range. Journal of Physics: Conference Series, 2016, 737, 012051.	0.3	0
170	Nanodiamonds + bacteriochlorin as an infrared photosensitizer for deep-lying tumor diagnostics and therapy. Journal of Physics: Conference Series, 2016, 737, 012052.	0.3	0
171	Rare-earth doped nanocrystals as an active medium for terahertz stimulated emission. , 2016, , .		0
172	Nanophotosensitisers for teranostics. , 2016, , .		0
173	Lymphotropic administration of photosensitizer as a model of target therapy of testicle inflammation: Experimental and clinical data. Photodiagnosis and Photodynamic Therapy, 2016, 13, 15-21.	1.3	0
174	Cellular Reactions of Organic Nanoparticles During PDT. , 2018, , .		0
175	Study of new infrared photosensitizers for photodynamic inactivation of pathogenic bacteria based on synthetic bacteriochlorin derivatives. , 2018, , .		0
176	Method of intraoperative spectroscopic detection of tumor tissues in neurosurgery. , 2018, , .		0
177	Optimization of upconversion nanoparticles excitation regimes for selective heating and effective thermometry in biological tissues. , 2018, , .		0
178	Comparitive accumulation study of chlorin group photosensitizers on monolayer and multicellular tumor spheroids of cell culture. , 2018, , .		0
179	TAM identification by fluorescence lifetime on different models. , 2018, , .		0
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