

Pavel V Grachev

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

77
citations

1684188

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h-index

1474206

9
g-index

19
all docs

19
docs citations

19
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of Nd ³⁺ : LaF ₃ and Nd ³⁺ : KY ₃ F ₁₀ nanocrystals synthesized by microwave-hydrothermal treatment. Journal of Alloys and Compounds, 2018, 756, 182-192.	5.5	20
2	Upconversion microparticles as time-resolved luminescent probes for multiphoton microscopy: desired signal extraction from the streaking effect. Journal of Biomedical Optics, 2016, 21, 096002.	2.6	15
3	Scattered and Fluorescent Photon Track Reconstruction in a Biological Tissue. International Journal of Photoenergy, 2014, 2014, 1-7.	2.5	12
4	Optimization of upconversion luminescence excitation mode for deeper in vivo bioimaging without contrast loss or overheating. Methods and Applications in Fluorescence, 2020, 8, 025006.	2.3	9
5	Non-invasive high-contrast infrared imaging of blood vessels in biological tissues by the backscattered laser radiation method. Infrared Physics and Technology, 2020, 111, 103562.	2.9	5
6	Study of synthesis temperature effect on Er^{3+} -doped NaGdF_4 : Yb^{3+} , Er^{3+} upconversion luminescence efficiency and decay time using maximum entropy method. Methods and Applications in Fluorescence, 2022, 10, 024005.	2.3	4
7	NEAR INFRARED IMAGING FOR ANGIOGRAPHY IN DIABETIC PATIENTS WITH PERIPHERAL ARTERY DISEASE. Biomedical Photonics, 2017, 6, 4-11.	1.2	3
8	NONINVASIVE ESTIMATION OF THE LOCAL TEMPERATURE OF BIOTISSUES HEATING UNDER THE ACTION OF LASER IRRADIATION FROM THE LUMINESCENCE SPECTRA OF Nd ³⁺ IONS. Biomedical Photonics, 2018, 7, 25-36.	1.2	3
9	VISUALIZATION OF Nd ³⁺ -DOPED LaF ₃ NANOPARTICLES FOR NEAR INFRARED BIOIMAGING VIA UPCONVERSION LUMINESCENCE AT MULTIPHOTON EXCITATION MICROSCOPY. Biomedical Photonics, 2018, 7, 4-12.	1.2	2
10	Near-infrared fluorescence imaging with indocyanine green in diabetic patient with critical limb ischemia: a case report. Diabetes Mellitus, 2018, 21, 319-324.	1.9	2
11	Multifunctional upconversion nanoparticles based on NaY ₂ Gd ₂ F ₁₀ for laser induced heating, non-contact temperature sensing and controlled hyperthermia with use of pulsed periodic laser excitation. , 2018, , .		1
12	Near-infrared fluorescence imaging methods to evaluate blood flow state in the skin lesions. , 2018, , .		1
13	Biocompatible Carbon-coated 3-d Metal Nanocomposites for Therapy of Oncological Diseases. , 2010, , .		0
14	Methods of silicon nanoparticles visualizations for in-vivo application. , 2010, , .		0
15	Technique for measuring laser radiation intensity in biological tissues. Photonics & Lasers in Medicine, 2013, 2, .	0.2	0
16	A method of controlled skin surface cooling during photodynamic therapy and hyperthermia treatment. Russian Journal of General Chemistry, 2015, 85, 346-350.	0.8	0
17	Experimental modeling of local laser hyperthermia using thermosensitive nanoparticles absorbing in NIR. , 2018, , .		0
18	Bioimaging with controlled depth using upconversion nanoparticles. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Clinical application of the video fluorescent mapping method in the preoperative planning of liver resections in its focal diseases. Clinical and Experimental Surgery, 2021, 9, 81-87.	0.1	0