

# Pavel V Grachev

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

77  
citations

1684188  
5  
h-index

1474206  
9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of synthesis temperature effect on $\text{Er}^{3+}$ -doped $\text{NaGdF}_4$ : $\text{Yb}^{3+}$ , $\text{Er}^{3+}$ upconversion luminescence efficiency and decay time using maximum entropy method. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 024005.	2.3	4
2	Clinical application of the video fluorescent mapping method in the preoperative planning of liver resections in its focal diseases. <i>Clinical and Experimental Surgery</i> , 2021, 9, 81-87.	0.1	0
3	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.	2.9	5
4	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.	2.3	9
5	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of $\text{Nd}^{3+}$ : $\text{LaF}_3$ and $\text{Nd}^{3+}$ : $\text{KY}_3\text{F}_{10}$ nanocrystals synthesized by microwave-hydrothermal treatment. <i>Journal of Alloys and Compounds</i> , 2018, 756, 182-192.	5.5	20
6	VISUALIZATION OF $\text{Nd}^{3+}$ -DOPED $\text{LaF}_3$ NANOPARTICLES FOR NEAR INFRARED BIOIMAGING VIA UPCONVERSION LUMINESCENCE AT MULTIPHOTON EXCITATION MICROSCOPY. <i>Biomedical Photonics</i> , 2018, 7, 4-12.	1.2	2
7	Multifunctional upconversion nanoparticles based on $\text{NaYdF}_4$ for laser induced heating, non-contact temperature sensing and controlled hyperthermia with use of pulsed periodic laser excitation. , 2018, , .		1
8	Experimental modeling of local laser hyperthermia using thermosensitive nanoparticles absorbing in NIR. , 2018, , .		0
9	Near-infrared fluorescence imaging methods to evaluate blood flow state in the skin lesions. , 2018, , .		1
10	Bioimaging with controlled depth using upconversion nanoparticles. , 2018, , .		0
11	NONINVASIVE ESTIMATION OF THE LOCAL TEMPERATURE OF BIOTISSUES HEATING UNDER THE ACTION OF LASER IRRADIATION FROM THE LUMINESCENCE SPECTRA OF $\text{Nd}^{3+}$ IONS. <i>Biomedical Photonics</i> , 2018, 7, 25-36.	1.2	3
12	Near-infrared fluorescence imaging with indocyanine green in diabetic patient with critical limb ischemia: a case report. <i>Diabetes Mellitus</i> , 2018, 21, 319-324.	1.9	2
13	NEAR INFRARED IMAGING FOR ANGIOGRAPHY IN DIABETIC PATIENTS WITH PERIPHERAL ARTERY DISEASE. <i>Biomedical Photonics</i> , 2017, 6, 4-11.	1.2	3
14	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.	2.6	15
15	A method of controlled skin surface cooling during photodynamic therapy and hyperthermia treatment. <i>Russian Journal of General Chemistry</i> , 2015, 85, 346-350.	0.8	0
16	Scattered and Fluorescent Photon Track Reconstruction in a Biological Tissue. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-7.	2.5	12
17	Technique for measuring laser radiation intensity in biological tissues. <i>Photonics &amp; Lasers in Medicine</i> , 2013, 2, .	0.2	0
18	Biocompatible Carbon-coated 3-d Metal Nanocomposites for Therapy of Oncological Diseases. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	Methods of silicon nanoparticles visualizations for in-vivo application. , 2010, , .		0