

Daria K Tuchina

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

413
citations

933447

10
h-index

839539

18
g-index

30
all docs

30
docs citations

30
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	MR and fluorescence imaging of gadobutrol-induced optical clearing of red fluorescent protein signal in an in vivo cancer model. <i>NMR in Biomedicine</i> , 2022, 35, e4708.	2.8	5
2	Immersion optical clearing of adipose tissue in rats: ex vivo and in vivo studies. <i>Journal of Biophotonics</i> , 2022, 15, e202100393.	2.3	4
3	Prospects for multimodal visualisation of biological tissues using fluorescence imaging. <i>Quantum Electronics</i> , 2021, 51, 104-117.	1.0	4
4	Optical clearing and multimodality fluorescence and magnetic resonance imaging in cancer models. , 2021, , .		0
5	Application of high molecular PEG for optical clearing of skin. , 2021, , .		0
6	Ultrasonic modes to improve the optical clearing of the skin ex vivo. , 2021, , .		0
7	Magnetic resonance contrast agents in optical clearing: Prospects for multimodal tissue imaging. <i>Journal of Biophotonics</i> , 2020, 13, e201960249.	2.3	21
8	Optimal hyperosmotic agents for tissue immersion optical clearing in terahertz biophotonics. <i>Journal of Biophotonics</i> , 2020, 13, e202000297.	2.3	24
9	Differential diagnostics of paraffin-embedded tissues by IR-THz spectroscopy and machine learning. , 2020, , .		0
10	Pilot study of glycerol diffusion in ex vivo skin: a comparison of alloxan and streptozotocin diabetes models. , 2020, , .		0
11	Towards registration of optical and MR signal changes in subcutaneous tumor volume in vivo after optical skin clearing. , 2020, , .		2
12	Use of Terahertz Spectroscopy for in vivo Studies of Lymphedema Development Dynamics. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 126, 523-529.	0.6	3
13	Kinetics of Rat Skin Optical Clearing at Topical Application of 40%Glucose: <i>Ex Vivo</i> and <i>In Vivo</i> Studies. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-8.	2.9	10
14	Medical diagnosis using NIR and THz tissue imaging and machine learning methods. , 2019, , .		3
15	A comparison of terahertz optical constants and diffusion coefficients of tissue immersion optical clearing agents. , 2019, , .		3
16	Optical properties of brain tissues at the different stages of glioma development in rats: pilot study. <i>Biomedical Optics Express</i> , 2019, 10, 5182.	2.9	42
17	Exogenous agent diffusivity in tissues as a biomarker of diabetes mellitus pathology. , 2019, , .		0
18	Measurement of tissue optical properties in the context of tissue optical clearing. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	90

#	ARTICLE	IF	CITATIONS
19	Terahertz spectroscopy of immersion optical clearing agents: DMSO, PG, EG, PEG. , 2018, , .		4
20	Optical and structural properties of biological tissues under diabetes mellitus. Journal of Biomedical Photonics and Engineering, 2018, 4, 020201.	0.7	7
21	Laser speckle contrast imaging of cerebral blood flow of newborn mice at optical clearing. , 2017, , .		5
22	Controlling of upconversion nanoparticle luminescence at heating and optical clearing of adipose tissue. Proceedings of SPIE, 2017, , .	0.8	0
23	Study of glycerol diffusion in skin and myocardium ex vivo under the conditions of developing alloxan-induced diabetes. Journal of Biomedical Photonics and Engineering, 2017, 3, 020302.	0.7	18
24	Skin optical clearing potential of disaccharides. Journal of Biomedical Optics, 2016, 21, 081207.	2.6	42
25	Optical clearing of skin tissue ex vivo with polyethylene glycol. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overloc 0,6 28	0.6	28
26	Ex vivo investigation of glycerol diffusion in skin tissue. Journal of Biomedical Photonics and Engineering, 2016, 2, 010303-1-010303-5.	0.7	14
27	Quantification of glucose and glycerol diffusion in myocardium. Journal of Innovative Optical Health Sciences, 2015, 08, 1541006.	1.0	8
28	<i>Ex vivo</i> optical measurements of glucose diffusion kinetics in native and diabetic mouse skin. Journal of Biophotonics, 2015, 8, 332-346.	2.3	44
29	In-vitro terahertz spectroscopy of rat skin under the action of dehydrating agents. Proceedings of SPIE, 2014, , .	0.8	3
30	THz monitoring of the dehydration of biological tissues affected by hyperosmotic agents. Physics of Wave Phenomena, 2014, 22, 169-176.	1.1	29