

Anton Y Sdobnov

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

436
citations

840776

11
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in tissue optical clearing for spectroscopic application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 216-229.	3.9	79
2	3D Mueller-Matrix Diffusive Tomography of Polycrystalline Blood Films for Cancer Diagnosis. <i>Photonics</i> , 2018, 5, 54.	2.0	51
3	Hydrogen bound water profiles in the skin influenced by optical clearing molecular agents – Quantitative analysis using confocal Raman microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800283.	2.3	48
4	Confocal Raman microscopy supported by optical clearing treatment of the skin – influence on collagen hydration. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 285401.	2.8	42
5	Stokes-Correlometry Analysis of Biological Tissues With Polycrystalline Structure. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-12.	2.9	38
6	A comparative study of <i>ex vivo</i> skin optical clearing using two-photon microscopy. <i>Journal of Biophotonics</i> , 2017, 10, 1115-1123.	2.3	35
7	Biomedical applications of Jones-matrix tomography to polycrystalline films of biological fluids. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	1.0	31
8	Speckle dynamics under ergodicity breaking. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 155401.	2.8	21
9	A Robust Method for Adjustment of Laser Speckle Contrast Imaging during Transcranial Mouse Brain Visualization. <i>Photonics</i> , 2019, 6, 80.	2.0	21
10	Combined laser speckle imaging and fluorescent intravital microscopy for monitoring acute vascular permeability reaction. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	21
11	Methods for Optical Skin Clearing in Molecular Optical Imaging in Dermatology. <i>Biochemistry (Moscow)</i> , 2019, 84, 144-158.	1.5	14
12	Time-space Fourier filter for motion artifacts compensation during transcranial fluorescence brain imaging. <i>Physics in Medicine and Biology</i> , 2020, 65, 075007.	3.0	8
13	<i>Ex-vivo</i> confocal Raman microspectroscopy of porcine skin with 633/785-NM laser excitation and optical clearing with glycerol/water/DMSO solution. <i>Journal of Innovative Optical Health Sciences</i> , 2021, 14, .	1.0	8
14	The influence of the numerical aperture of a beam probing an object on the determination of the thickness of a layered object in confocal microscopy. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020, 128, 778-786.	0.6	3
15	Evaluation of handwriting peculiarities utilizing laser speckle contrast imaging. <i>Laser Physics Letters</i> , 2019, 16, 115601.	1.4	4
16	Ex vivo confocal Raman microspectroscopy of porcine <i>dura mater</i> supported by optical clearing. <i>Journal of Biophotonics</i> , 2022, 15, e202100332.	2.3	4
17	Blood Flow Visualization by Means of Laser Speckle-Contrast Measurements under the Conditions of Nonergodicity. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020, 128, 778-786.	0.6	3
18	Quantitative measurement of blood flow dynamics in chorioallantoic membrane of chicken embryo using laser Doppler anemometry. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Investigation of speckle pattern dynamics by laser speckle contrast imaging. , 2018, , .		1
20	Combined multi-wavelength laser speckle contrast imaging and diffuse reflectance imaging for skin perfusion assessment. , 2019, , .		1
21	Longitudinal spatial coherence of the optical field and its effects in the interference microscopy. , 2013, , .		0
22	Influence of refractive index dispersion on pulse shaping in white-light interferometry. , 2015, , .		0
23	Laser speckle contrast imaging of abdominal organs in mouse model. , 2019, , .		0