

Ivan V Fedosov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4128631/publications.pdf>

Version: 2024-02-01

55
papers

307
citations

1307594

7
h-index

940533

16
g-index

56
all docs

56
docs citations

56
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	GB20 Pharmacopuncture As a Potential Method for Brain Drug Delivery via the Perivascular Spaces. JAMS Journal of Acupuncture and Meridian Studies, 2022, 15, 43-49.	0.7	0
2	The study of local mucociliary clearance of the middle nasal meatus in clinically healthy individuals and patients with foreign body in the maxillary sinus. Science and Innovations in Medicine, 2022, 7, 128-133.	0.1	0
3	Biophotonic Strategies of Measurement and Stimulation of the Cranial and the Extracranial Lymphatic Drainage Function. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-13.	2.9	13
4	Photomodulation of lymphatic delivery of liposomes to the brain bypassing the blood-brain barrier: new perspectives for glioma therapy. Nanophotonics, 2021, 10, 3215-3227.	6.0	20
5	A Novel Method to Stimulate Lymphatic Clearance of Beta-Amyloid from Mouse Brain Using Noninvasive Music-Induced Opening of the Blood-Brain Barrier with EEG Markers. Applied Sciences (Switzerland), 2021, 11, 10287.	2.5	3
6	Night Photostimulation of Clearance of Beta-Amyloid from Mouse Brain: New Strategies in Preventing Alzheimer's Disease. Cells, 2021, 10, 3289.	4.1	29
7	Intravital molecular tagging velocimetry of cerebral blood flow using Evans Blue. Journal of Biophotonics, 2018, 11, e201700343.	2.3	8
8	Photodynamic opening of the blood-brain barrier and pathways of brain clearing. Journal of Biophotonics, 2018, 11, e201700287.	2.3	42
9	Photodynamic diagnostics of stress-induced gastrointestinal neoplasia in laboratory animals using 5-aminolevulinic acid and Al-phthalocyanine. , 2018, , .		0
10	Quantification of absolute blood velocity using LDA. , 2018, , .		0
11	Highly localized laser-induced vascular responses. , 2018, , .		0
12	Blood flow velocity measurements in chicken embryo vascular network via PIV approach. , 2018, , .		5
13	In Vitro and in Vivo Visualization and Trapping of Fluorescent Magnetic Microcapsules in a Bloodstream. ACS Applied Materials & Interfaces, 2017, 9, 6885-6893.	8.0	102
14	Fluorescent angiography of chicken embryo and photobleaching velocimetry. , 2017, , .		1
15	Stiffness of RBC optical confinement affected by optical clearing. , 2017, , .		0
16	Adaptive $\frac{1}{4}$ PIV for visualization of capillary network microcirculation using Niblack local binarization. , 2017, , .		0
17	The Stress and Vascular Catastrophes in Newborn Rats: Mechanisms Preceding and Accompanying the Brain Hemorrhages. Frontiers in Physiology, 2016, 7, 210.	2.8	6
18	Micro-PIV quantification of capillary blood flow redistribution caused by laser-assisted vascular occlusion. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Simple technique of Fourier-transform holographic microscope with compensation of phase aberration. Proceedings of SPIE, 2016, , .	0.8	1
20	Hypoxia and Neonatal Haemorrhagic Stroke: Experimental Study of Mechanisms. Advances in Experimental Medicine and Biology, 2016, 923, 173-179.	1.6	0
21	Lens-free dark-field digital holographic microscopy for 3D tracking of microparticles. , 2015, , .		0
22	Tissue perfusability assessment from capillary velocimetry data via the multicompartment Windkessel model. , 2015, , .		0
23	Advanced digital methods for blood flow flux analysis using $\hat{\mu}$ PIV approach. , 2015, , .		1
24	Cell trapping in a blood capillary phantom using laser tweezers. Proceedings of SPIE, 2015, , .	0.8	0
25	Laser Doppler anemometer signal processing for blood flow velocity measurements. Quantum Electronics, 2015, 45, 275-282.	1.0	8
26	Dynamic analysis of optical cell trapping in the ray optics regime. Computer Optics, 2015, 39, 694-701.	2.2	2
27	In-vivo study of blood flow in capillaries using $\hat{\mu}$ PIV method. , 2014, , .		2
28	Bioflow Measuring: Laser Doppler and Speckle Techniques. , 2013, , 487-563.		3
29	Optical microscopy for nanoparticles temperature and velocity field visualization. , 2010, , .		0
30	Measurements of the diffusion coefficient of nanoparticles by selective plane illumination microscopy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 107, 846-852.	0.6	4
31	Visualisation of the distributions of melanin and indocyanine green in biological tissues. Quantum Electronics, 2008, 38, 263-268.	1.0	4
32	Dynamic ultramicroscopy of laser-induced flows in colloidal solutions of plasmon-resonance particles. Quantum Electronics, 2008, 38, 530-535.	1.0	6
33	<title>Handling of nanoparticles with light pressure forces</title>. , 2007, 6536, 79.		0
34	Particle image velocimetry for visualizing laser-induced motion of nanoparticles. SPIE Newsroom, 2007, , .	0.1	1
35	<title>Laser measurements for biomedical applications</title>. , 2006, 6254, 411.		0
36	Laser speckle instrument for complex lymph microcirculation dynamics studies. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
37	Laser Doppler flowmetry in diagnoses of chronic tonsillitis. , 2005, 5771, 291.		0
38	Compact laser Doppler flowmeter for application in dentistry. , 2005, , .		1
39	<title>Design of sensors for microcirculation investigation in pharyngeal mucosa</title>. , 2004, , .		0
40	<title>Laser speckle technique for monitoring of blood and lymph flow</title>. , 2004, 5486, 148.		0
41	Laser Doppler and Speckle Techniques for Bioflow Measurements. , 2004, , 397-435.		2
42	Laser Doppler velocimeter for laboratory training. , 2002, 4588, 507.		0
43	Special training laboratory on optical biophysics. , 2002, , .		1
44	<title>In-vivo lymph dynamic monitoring using speckle-correlation technique and light microscopy</title>. , 2002, 4624, 130.		1
45	<title>Laser speckle flow velocity sensor for functional biomicroscopy</title>. , 2002, 4707, 206.		3
46	Laser monitoring of the flow velocity in lymphatic microvessels based on a spatiotemporal correlation of the dynamic speckle fields. Technical Physics Letters, 2002, 28, 690-692.	0.7	5
47	The space-time correlation of the intensity of a speckle field formed as a result of scattering of focused coherent radiation by a capillary liquid flow containing scattering particles. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2002, 93, 434-438.	0.6	7
48	<title>Blood flow assessment in capillaries of human eye conjunctiva using laser Doppler technique</title>. , 2001, 4427, 104.		3
49	Double-wavelength laser scanning microphotometer (DWLSM) for in-vitro hair shaft and surrounding tissue imaging. , 2001, 4244, 152.		5
50	<title>Program for laser scanning microphotometer data visualization</title>. , 2001, , .		0
51	<title>Speckle-correlation method of bioflow diagnostics</title>. , 2001, , .		1
52	<title>Use of dynamic speckle field space-time correlation function estimates for the direction and velocity determination of blood flow</title>. , 2001, 4434, 192.		15
53	<title>Slit-lamp-based laser Doppler measuring system</title>. , 2000, 4001, 174.		0
54	Laser-based instrument for blood flow assessment in capillaries of human eye conjunctiva. , 2000, 4163, 80.		0

#	ARTICLE	IF	CITATIONS
55	Laser Doppler measurements of a model blood flow. , 1999, , .		0