

Igor O Kozlov

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

115
citations

1478505

6
h-index

1720034

7
g-index

25
all docs

25
docs citations

25
times ranked

65
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis of Skin Vascular Complications Revealed by Time-Frequency Analysis and Laser Doppler Spectrum Decomposition. IEEE Transactions on Biomedical Engineering, 2023, 70, 3-14.	4.2	6
2	Laser Doppler Spectrum Analysis Based on Calculation of Cumulative Sums Detects Changes in Skin Capillary Blood Flow in Type 2 Diabetes Mellitus. Diagnostics, 2021, 11, 267.	2.6	9
3	Spatial heterogeneity of cutaneous blood flow respiratory-related oscillations quantified via laser speckle contrast imaging. PLoS ONE, 2021, 16, e0252296.	2.5	7
4	Impairments of cerebral blood flow microcirculation in rats brought on by cardiac cessation and respiratory arrest. Journal of Biophotonics, 2021, 14, e202100216.	2.3	16
5	Heterogeneity of cutaneous blood flow respiratory-related oscillations quantified via LSCI wavelet decomposition. , 2020, , .		1
6	Wearable laser Doppler flowmetry for the analysis of microcirculatory changes during intravenous infusion in patients with diabetes mellitus. , 2020, , .		1
7	Wearable laser Doppler sensors for evaluating the nutritive and shunt blood flow. , 2020, , .		1
8	Brain metabolism changes in cases of impaired breathing or blood circulation in rodents evaluated by real time optical spectroscopy methods. , 2020, , .		1
9	Liposomal nanoparticles enhance contrast of fluorescence, speckle-contrast imaging, and ultrasound measurements in phantoms and murine model. , 2020, , .		0
10	Time-frequency analysis and laser Doppler spectrum decomposition to reveal new feature space for diagnosis of diabetes mellitus vascular complications. , 2020, , .		0
11	Wavelet Analysis of the Temporal Dynamics of the Laser Speckle Contrast in Human Skin. IEEE Transactions on Biomedical Engineering, 2019, 67, 1-1.	4.2	11
12	Dynamic evaluation of blood flow microcirculation by combined use of the laser Doppler flowmetry and high-speed videocapillaroscopy methods. Journal of Biophotonics, 2019, 12, e201800317.	2.3	33
13	Optical fine-needle aspiration biopsy in a rat model. , 2019, , .		4
14	Novel wearable VCSEL-based sensors for multipoint measurements of blood perfusion. , 2019, , .		2
15	Pilot studies of age-related changes in blood perfusion in two different types of skin. , 2019, , .		2
16	Optical fine-needle biopsy approach for intraoperative multimodal diagnostics in minimally invasive abdominal surgery. , 2019, , .		3
17	Wearable sensor system for multipoint measurements of blood perfusion: pilot studies in patients with diabetes mellitus. , 2019, , .		5
18	Studies of age-related changes in blood perfusion coherence using wearable blood perfusion sensor system. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Investigation of blood microcirculation parameters in patients with rheumatic diseases by videocapillaroscopy and laser Doppler flowmetry during cold pressor test. , 2019, , .		0
20	Laser speckle contrast imaging of abdominal organs in mouse model. , 2019, , .		0
21	Fluorescence spectroscopy approach for blood influence compensation. , 2019, , .		0
22	Analysis of changes in blood flow oscillations under different probe pressure using laser Doppler spectrum decomposition. , 2019, , .		0
23	Laser doppler spectrum decomposition applied in diagnostics of microcirculatory disturbances. , 2018, , .		1
24	Peculiarities of local blood microcirculation in patients with psoriasis. , 2018, , .		2
25	Laser Doppler flowmetry in blood and lymph monitoring, technical aspects and analysis. Proceedings of SPIE, 2017, , .	0.8	8