

Stanisław Wojtkiewicz

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

339
citations

933447

10
h-index

888059

17
g-index

35
all docs

35
docs citations

35
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of optical methods in the monitoring of traumatic brain injury: A review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1825-1843.	4.3	64
2	Optical system based on time-gated, intensified charge-coupled device camera for brain imaging studies. <i>Journal of Biomedical Optics</i> , 2010, 15, 066025.	2.6	22
3	Optimization of the method for assessment of brain perfusion in humans using contrast-enhanced reflectometry: multidistance time-resolved measurements. <i>Journal of Biomedical Optics</i> , 2015, 20, 106013.	2.6	21
4	Toward real-time diffuse optical tomography: accelerating light propagation modeling employing parallel computing on GPU and CPU. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	21
5	Confirmation of brain death using optical methods based on tracking of an optical contrast agent: assessment of diagnostic feasibility. <i>Scientific Reports</i> , 2018, 8, 7332.	3.3	18
6	Electric field used as the substitute for ultrasounds in the liquid exfoliation of hexagonal boron nitride. <i>Microelectronic Engineering</i> , 2014, 126, 124-128.	2.4	17
7	Laser-Doppler spectrum decomposition applied for the estimation of speed distribution of particles moving in a multiple scattering medium. <i>Physics in Medicine and Biology</i> , 2009, 54, 679-697.	3.0	16
8	Recipes for diffuse correlation spectroscopy instrument design using commonly utilized hardware based on targets for signal-to-noise ratio and precision. <i>Biomedical Optics Express</i> , 2021, 12, 3265.	2.9	15
9	Human skull translucency: post mortem studies. <i>Biomedical Optics Express</i> , 2016, 7, 5010.	2.9	14
10	Time-domain NIRS system based on supercontinuum light source and multi-wavelength detection: validation for tissue oxygenation studies. <i>Biomedical Optics Express</i> , 2021, 12, 6629.	2.9	12
11	Influence of contrast-reversing frequency on the amplitude and spatial distribution of visual cortex hemodynamic responses. <i>Biomedical Optics Express</i> , 2019, 10, 6296.	2.9	12
12	Time-resolved near infrared light propagation using frequency domain superposition. <i>Biomedical Optics Express</i> , 2018, 9, 41.	2.9	10
13	Self-calibrating time-resolved near infrared spectroscopy. <i>Biomedical Optics Express</i> , 2019, 10, 2657.	2.9	10
14	Evaluation of algorithms for microperfusion assessment by fast simulations of laser Doppler power spectral density. <i>Physics in Medicine and Biology</i> , 2011, 56, 7709-7723.	3.0	9
15	Performance of measurands in time-domain optical brain imaging: depth selectivity versus contrast-to-noise ratio. <i>Biomedical Optics Express</i> , 2020, 11, 4348.	2.9	9
16	Estimation of scattering phase function utilizing laser Doppler power density spectra. <i>Physics in Medicine and Biology</i> , 2013, 58, 937-955.	3.0	8
17	The LUCA device: a multi-modal platform combining diffuse optics and ultrasound imaging for thyroid cancer screening. <i>Biomedical Optics Express</i> , 2021, 12, 3392.	2.9	8
18	Assessment of speed distribution of red blood cells in the microvascular network in healthy volunteers and type 1 diabetes using laser Doppler spectra decomposition. <i>Physiological Measurement</i> , 2014, 35, 283-295.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Towards in-vivo assessment of fluorescence lifetime: imaging using time-gated intensified CCD camera. Biocybernetics and Biomedical Engineering, 2018, 38, 966-974.	5.9	6
20	Performance assessment of laser sources for time-domain diffuse correlation spectroscopy. Biomedical Optics Express, 2021, 12, 5351.	2.9	6
21	Prolonged Postocclusive Hyperemia Response in Patients with Normal-Tension Glaucoma. Medical Science Monitor, 2014, 20, 2607-2616.	1.1	6
22	Depth-resolved assessment of changes in concentration of chromophores using time-resolved near-infrared spectroscopy: estimation of cytochrome-c-oxidase uncertainty by Monte Carlo simulations. Biomedical Optics Express, 2019, 10, 4621.	2.9	6
23	Optical method for characterization of nanoplates in lysol. Microelectronic Engineering, 2013, 108, 121-126.	2.4	5
24	Parallel, multi-purpose Monte Carlo code for simulation of light propagation in segmented tissues. Biocybernetics and Biomedical Engineering, 2021, 41, 1303-1321.	5.9	5
25	Estimation of Speed Distribution of Particles Moving in an Optically Turbid Medium Using Decomposition of a Laser-Doppler Spectrum. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4080-2.	0.5	4
26	Assessment of the brain ischemia during orthostatic stress and lower body negative pressure in air force pilots by near-infrared spectroscopy. Biomedical Optics Express, 2020, 11, 1043.	2.9	3
27	Lock-in functional near-infrared spectroscopy for measurement of the haemodynamic brain response. Biomedical Optics Express, 2022, 13, 1869.	2.9	2
28	The LUCA device: laser and ultrasound co-analyzer for thyroid nodules. , 2019, , .		1
29	The Curse of Big Data in Diffuse Optical Spectroscopic Tomography: The LUCA approach. , 2020, , .		1
30	Estimation of speed distribution of particles moving in an optically turbid multiple scattering medium by decomposition of laser-Doppler spectrum. IFMBE Proceedings, 2009, , 130-132.	0.3	0
31	The LUCA Project - Laser and Ultrasound Co-Analyzer for Thyroid Nodules: Overview and Current Status. , 2018, , .		0
32	Cloud-based NIRFAST server for tissue parameters recovery: laser and ultrasound co-analyser of thyroid nodules. , 2019, , .		0
33	Interference amplification method for registration of intracerebral hemodynamic changes. , 2021, , .		0
34	Hypoxia leads to decrease in hemodynamic responses of visual cortex. , 2021, , .		0