

Alexander Jelzow

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

934
citations

933447

10
h-index

1199594

12
g-index

17
all docs

17
docs citations

17
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiological origin of task-evoked systemic artefacts in functional near infrared spectroscopy. <i>NeuroImage</i> , 2012, 61, 70-81.	4.2	445
2	Performance assessment of time-domain optical brain imagers, part 1: basic instrumental performance protocol. <i>Journal of Biomedical Optics</i> , 2014, 19, 086010.	2.6	101
3	Identifying and quantifying main components of physiological noise in functional near infrared spectroscopy on the prefrontal cortex. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 864.	2.0	100
4	Performance assessment of time-domain optical brain imagers, part 2: nEUROPt protocol. <i>Journal of Biomedical Optics</i> , 2014, 19, 086012.	2.6	85
5	Optical bedside monitoring of cerebral perfusion: technological and methodological advances applied in a study on acute ischemic stroke. <i>Journal of Biomedical Optics</i> , 2010, 15, 061708.	2.6	51
6	Non-contact time-resolved diffuse reflectance imaging at null source-detector separation. <i>Optics Express</i> , 2012, 20, 283.	3.4	46
7	Cerebral Perfusion in Acute Stroke Monitored by Time-domain Near-infrared Reflectometry. <i>BioCybernetics and Biomedical Engineering</i> , 2012, 32, 3-16.	5.9	41
8	Optimal estimation reconstruction of the optical properties of a two-layered tissue phantom from time-resolved single-distance measurements. <i>Journal of Biomedical Optics</i> , 2015, 20, 115001.	2.6	21
9	Separation of superficial and cerebral hemodynamics using a single distance time-domain NIRS measurement. <i>Biomedical Optics Express</i> , 2014, 5, 1465.	2.9	17
10	Separation of indocyanine green boluses in the human brain and scalp based on time-resolved in-vivo fluorescence measurements. <i>Journal of Biomedical Optics</i> , 2012, 17, 057003.	2.6	11
11	Performance assessment of time-domain optical brain imagers: a multi-laboratory study. , 2013, , .		7
12	Assessment of basic instrumental performance of time-domain optical brain imagers. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
13	Performance Assessment of Time-Domain Optical Brain Imagers: The nEUROPt Protocol. , 2012, , .		2
14	Fast repetition rate fs pulsed lasers for advanced PLIM microscopy. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, 1940004.	1.0	1
15	Comparison of independent forward solvers for photon migration through layered media. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
16	Two-Layer Analysis of Time-Domain Functional NIRS Measurements. , 2014, , .		0
17	Optical property reconstruction of a two-layer diffusive medium from single-distance time-resolved measurements. , 2016, , .		0