

Helene Isler

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

93
citations

1684188

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1372567

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14
docs citations

14
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo precision assessment of a near-infrared spectroscopy-based tissue oximeter (OxyPrem v1.3) in neonates considering systemic hemodynamic fluctuations. Journal of Biomedical Optics, 2018, 23, 1.	2.6	24
2	Cerebral hemodynamic responses in preterm-born neonates to visual stimulation: classification according to subgroups and analysis of frontotemporal-occipital functional connectivity. Neurophotonics, 2019, 6, 1.	3.3	13
3	Time-domain NIRS system based on supercontinuum light source and multi-wavelength detection: validation for tissue oxygenation studies. Biomedical Optics Express, 2021, 12, 6629.	2.9	12
4	Smart Toolkit for Fluorescence Tomography: Simulation, Reconstruction, and Validation. IEEE Transactions on Biomedical Engineering, 2020, 67, 16-26.	4.2	11
5	Reference Ranges for Hemoglobin and Hematocrit Levels in Neonates as a Function of Gestational Age (22-42 Weeks) and Postnatal Age (0-29 Days): Mathematical Modeling. Children, 2019, 6, 38.	1.5	7
6	Absorption spectra of early stool from preterm infants need to be considered in abdominal NIRS oximetry. Biomedical Optics Express, 2019, 10, 2784.	2.9	7
7	In Vitro Comparisons of Near-Infrared Spectroscopy Oximeters: Impact of Slow Changes in Scattering of Liquid Phantoms. Advances in Experimental Medicine and Biology, 2018, 1072, 375-379.	1.6	5
8	Characterization of the optical properties of color pastes for the design of optical phantoms mimicking biological tissue. Journal of Biophotonics, 2019, 12, e201800300.	2.3	5
9	Liquid Blood Phantoms to Validate NIRS Oximeters: Yeast Versus Nitrogen for Deoxygenation. Advances in Experimental Medicine and Biology, 2018, 1072, 381-385.	1.6	4
10	Optical properties of mice's stool in 550 to 1000nm wavelength range. Journal of Biophotonics, 2018, 11, e201700076.	2.3	2
11	Hemoglobin spectra affect measurement of tissue oxygen saturation. , 2018, , .		2
12	Multi-wavelength time-resolved NIRS measurements for estimation of absolute concentration of chromophores: blood phantom study. , 2019, , .		1
13	Synchronized Oscillations of Arterial Oxygen Saturation, Cerebral Tissue Oxygenation and Heart Rate in Preterm Neonates: Investigation of Long-Term Measurements with Multiple Einstein's Cross Wavelet Analysis. Advances in Experimental Medicine and Biology, 2018, 1072, 157-161.	1.6	0
14	Blood-lipid liquid phantom for assessing time and frequency domain tissue oximeter performances. , 2019, , .		0