

Regine Choe

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

838
citations

840119

11
h-index

676716

22
g-index

32
all docs

32
docs citations

32
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Measurement of Cerebral Blood Flow and Blood Oxygenation Using Near-Infrared and Diffuse Correlation Spectroscopies in Critically Brain-Injured Adults. <i>Neurocritical Care</i> , 2010, 12, 173-180.	1.2	255
2	Cerebral hemodynamics in preterm infants during positional intervention measured with diffuse correlation spectroscopy and transcranial Doppler ultrasound. <i>Optics Express</i> , 2009, 17, 12571.	1.7	159
3	Transcranial optical monitoring of cerebrovascular hemodynamics in acute stroke patients. <i>Optics Express</i> , 2009, 17, 3884.	1.7	149
4	Diffuse Optical Monitoring of the Neoadjuvant Breast Cancer Therapy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1367-1386.	1.9	61
5	Optically Measured Microvascular Blood Flow Contrast of Malignant Breast Tumors. <i>PLoS ONE</i> , 2014, 9, e99683.	1.1	39
6	Blood Flow Reduction in Breast Tissue due to Mammographic Compression. <i>Academic Radiology</i> , 2014, 21, 151-161.	1.3	23
7	Non-contact scanning diffuse correlation tomography system for three-dimensional blood flow imaging in a murine bone graft model. <i>Biomedical Optics Express</i> , 2015, 6, 2695.	1.5	19
8	Macroscopic optical physiological parameters correlate with microscopic proliferation and vessel area breast cancer signatures. <i>Breast Cancer Research</i> , 2015, 17, 72.	2.2	18
9	Non-invasive diffuse correlation tomography reveals spatial and temporal blood flow differences in murine bone grafting approaches. <i>Biomedical Optics Express</i> , 2016, 7, 3262.	1.5	18
10	Non-Invasive Monitoring of Temporal and Spatial Blood Flow during Bone Graft Healing Using Diffuse Correlation Spectroscopy. <i>PLoS ONE</i> , 2015, 10, e0143891.	1.1	17
11	Longitudinal 3D Blood Flow Distribution Provided by Diffuse Correlation Tomography during Bone Healing in a Murine Fracture Model. <i>Photochemistry and Photobiology</i> , 2020, 96, 380-387.	1.3	12
12	Biomaterials for orthopedic diagnostics and theranostics. <i>Current Opinion in Biomedical Engineering</i> , 2021, 19, 100308.	1.8	12
13	Towards detection of brain injury using multimodal non-invasive neuromonitoring in adults undergoing extracorporeal membrane oxygenation. <i>Biomedical Optics Express</i> , 2020, 11, 6551.	1.5	11
14	Chemotherapeutic drug-specific alteration of microvascular blood flow in murine breast cancer as measured by diffuse correlation spectroscopy. <i>Biomedical Optics Express</i> , 2016, 7, 3610.	1.5	9
15	Temporal blood flow changes measured by diffuse correlation tomography predict murine femoral graft healing. <i>PLoS ONE</i> , 2018, 13, e0197031.	1.1	8
16	Mapping the Redox State of CHOP-Treated Non-Hodgkin's Lymphoma Xenografts in Mice. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 243-249.	0.8	6
17	Validation of diffuse correlation spectroscopy sensitivity to nicotinamide-induced blood flow elevation in the murine hindlimb using the fluorescent microsphere technique. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	6
18	Pre-clinical longitudinal monitoring of hemodynamic response to anti-vascular chemotherapy by hybrid diffuse optics. <i>Biomedical Optics Express</i> , 2017, 8, 2563.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Non-invasive acoustic fabrication methods to enhance collagen hydrogel bioactivity. <i>Materials Research Express</i> , 2019, 6, 125410.	0.8	4
20	Spatial frequency domain imaging for the longitudinal monitoring of vascularization during mouse femoral graft healing. <i>Biomedical Optics Express</i> , 2020, 11, 5442.	1.5	4
21	Cerebral Blood Flow Hemispheric Asymmetry in Comatose Adults Receiving Extracorporeal Membrane Oxygenation. <i>Frontiers in Neuroscience</i> , 2022, 16, 858404.	1.4	2
22	Special Section Guest Editorial: Translational Biophotonics. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	1
23	Introduction to the Biophotonics Congress 2020 feature issue. <i>Biomedical Optics Express</i> , 2021, 12, 509.	1.5	0
24	Diffuse Optical Tomography. , 2021, , 1-38.		0
25	Semiparametric mixed-effects model for analysis of non-invasive longitudinal hemodynamic responses during bone graft healing. <i>PLoS ONE</i> , 2022, 17, e0265471.	1.1	0
26	Deep Learning Approach for the Prediction of Bone Healing Outcomes in Murine Models based on Diffuse Correlation Tomography. , 2022, , .		0
27	Assessing hemispheric blood flow differences in patients undergoing extracorporeal membrane oxygenation using diffuse correlation spectroscopy. , 2022, , .		0