

Chong Huang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

497
citations

687363

13
h-index

677142

22
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all docs

26
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26
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous measurement of deep tissue blood flow and oxygenation using noncontact diffuse correlation spectroscopy flow-oximeter. <i>Scientific Reports</i> , 2013, 3, 1358.	3.3	75
2	Three-dimensional flow contrast imaging of deep tissue using noncontact diffuse correlation tomography. <i>Applied Physics Letters</i> , 2014, 104, 121103.	3.3	45
3	Optimal hemoglobin extinction coefficient data set for near-infrared spectroscopy. <i>Biomedical Optics Express</i> , 2017, 8, 5151.	2.9	45
4	Speckle contrast diffuse correlation tomography of complex turbid medium flow. <i>Medical Physics</i> , 2015, 42, 4000-4006.	3.0	36
5	Noncontact diffuse correlation tomography of human breast tumor. <i>Journal of Biomedical Optics</i> , 2015, 20, 086003.	2.6	28
6	A Brief Review of OPT101 Sensor Application in Near-Infrared Spectroscopy Instrumentation for Intensive Care Unit Clinics. <i>Sensors</i> , 2017, 17, 1701.	3.8	27
7	Low-cost compact diffuse speckle contrast flowmeter using small laser diode and bare charge-coupled-device. <i>Journal of Biomedical Optics</i> , 2016, 21, 080501.	2.6	26
8	Noncontact diffuse optical assessment of blood flow changes in head and neck free tissue transfer flaps. <i>Journal of Biomedical Optics</i> , 2015, 20, 075008.	2.6	25
9	Noncontact 3-D Speckle Contrast Diffuse Correlation Tomography of Tissue Blood Flow Distribution. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2068-2076.	8.9	25
10	Noncontact speckle contrast diffuse correlation tomography of blood flow distributions in tissues with arbitrary geometries. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	20
11	Alignment of sources and detectors on breast surface for noncontact diffuse correlation tomography of breast tumors. <i>Applied Optics</i> , 2015, 54, 8808.	2.1	19
12	A Wearable Fiberless Optical Sensor for Continuous Monitoring of Cerebral Blood Flow in Mice. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-8.	2.9	19
13	A Novel Noncontact Diffuse Correlation Spectroscopy Device for Assessing Blood Flow in Mastectomy Skin Flaps. <i>Plastic and Reconstructive Surgery</i> , 2017, 140, 26-31.	1.4	18
14	Noninvasive noncontact speckle contrast diffuse correlation tomography of cerebral blood flow in rats. <i>NeuroImage</i> , 2019, 198, 160-169.	4.2	15
15	Noninvasive and sensitive optical assessment of brain death. <i>Journal of Biophotonics</i> , 2019, 12, e201800240.	2.3	14
16	Noninvasive evaluation of electrical stimulation impacts on muscle hemodynamics via integrating diffuse optical spectroscopies with muscle stimulator. <i>Journal of Biomedical Optics</i> , 2013, 18, 105002.	2.6	11
17	Noncontact Speckle Contrast Diffuse Correlation Tomography of Blood Flow Distributions in Burn Wounds: A Preliminary Study. <i>Military Medicine</i> , 2020, 185, 82-87.	0.8	10
18	Diffuse optical assessment of cerebral autoregulation in older adults stratified by cerebrovascular risk. <i>Journal of Biophotonics</i> , 2020, 13, e202000073.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Speckle contrast diffuse correlation tomography of cerebral blood flow in perinatal disease model of neonatal piglets. <i>Journal of Biophotonics</i> , 2021, 14, e202000366.	2.3	9
20	Simultaneous measurements of tissue blood flow and oxygenation using a wearable fiber-free optical sensor. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	8
21	Noncontact optical imaging of brain hemodynamics in preterm infants: a preliminary study. <i>Physics in Medicine and Biology</i> , 2020, 65, 245009.	3.0	5
22	The Role of Intraoperative Laser Speckle Imaging in Reducing Postoperative Complications in Breast Reconstruction. <i>Plastic and Reconstructive Surgery</i> , 2019, 144, 933e-934e.	1.4	4
23	Extraction of tissue optical property and blood flow from speckle contrast diffuse correlation tomography (scDCT) measurements. <i>Biomedical Optics Express</i> , 2021, 12, 5894.	2.9	3
24	Noninvasive and Wearable Optical Monitoring of Brain Death with Aid of a Protocol at Differentiated Fractions of Oxygen Inspired. <i>Blood</i> , 2019, 134, 5808-5808.	1.4	0
25	Noncontact Multiscale Speckle Contrast Diffuse Correlation Tomography (scDCT) of Deep Tissue Hemodynamics. , 2020, , .		0
26	Noninvasive Noncontact 3D Optical Imaging of Blood Flow Distributions in Animals and Humans. , 2018, , .		0