Chong Huang

List of Publications by Year
in descending order

26	497	687363 13	677142 22
papers	citations	h-index	g-index

26	26	26	371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Speckle contrast diffuse correlation tomography of cerebral blood flow in perinatal disease model of neonatal piglets. Journal of Biophotonics, 2021, 14, e202000366.	2.3	9
2	Simultaneous measurements of tissue blood flow and oxygenation using a wearable fiber-free optical sensor. Journal of Biomedical Optics, 2021, 26, .	2.6	8
3	Extraction of tissue optical property and blood flow from speckle contrast diffuse correlation tomography (scDCT) measurements. Biomedical Optics Express, 2021, 12, 5894.	2.9	3
4	Noncontact Speckle Contrast Diffuse Correlation Tomography of Blood Flow Distributions in Burn Wounds: A Preliminary Study. Military Medicine, 2020, 185, 82-87.	0.8	10
5	Diffuse optical assessment of cerebralâ€autoregulation in older adults stratified by cerebrovascular risk. Journal of Biophotonics, 2020, 13, e202000073.	2.3	10
6	Noncontact optical imaging of brain hemodynamics in preterm infants: a preliminary study. Physics in Medicine and Biology, 2020, 65, 245009.	3.0	5
7	Noncontact Multiscale Speckle Contrast Diffuse Correlation Tomography (scDCT) of Deep Tissue Hemodynamics. , 2020, , .		0
8	A Wearable Fiberless Optical Sensor for Continuous Monitoring of Cerebral Blood Flow in Mice. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	19
9	Noninvasive noncontact speckle contrast diffuse correlation tomography of cerebral blood flow in rats. NeuroImage, 2019, 198, 160-169.	4.2	15
10	The Role of Intraoperative Laser Speckle Imaging in Reducing Postoperative Complications in Breast Reconstruction. Plastic and Reconstructive Surgery, 2019, 144, 933e-934e.	1.4	4
11	Noninvasive and sensitive optical assessment of brain death. Journal of Biophotonics, 2019, 12, e201800240.	2.3	14
12	Noninvasive and Wearable Optical Monitoring of Brain Death with Aid of a Protocol at Differentiated Fractions of Oxygen Inspired. Blood, 2019, 134, 5808-5808.	1.4	0
13	Noncontact speckle contrast diffuse correlation tomography of blood flow distributions in tissues with arbitrary geometries. Journal of Biomedical Optics, 2018, 23, 1.	2.6	20
14	Noninvasive Noncontact 3D Optical Imaging of Blood Flow Distributions in Animals and Humans. , 2018, , .		0
15	Noncontact 3-D Speckle Contrast Diffuse Correlation Tomography of Tissue Blood Flow Distribution. IEEE Transactions on Medical Imaging, 2017, 36, 2068-2076.	8.9	25
16	A Novel Noncontact Diffuse Correlation Spectroscopy Device for Assessing Blood Flow in Mastectomy Skin Flaps. Plastic and Reconstructive Surgery, 2017, 140, 26-31.	1.4	18
17	Optimal hemoglobin extinction coefficient data set for near-infrared spectroscopy. Biomedical Optics Express, 2017, 8, 5151.	2.9	45
18	A Brief Review of OPT101 Sensor Application in Near-Infrared Spectroscopy Instrumentation for Intensive Care Unit Clinics. Sensors, 2017, 17, 1701.	3.8	27

#	Article	IF	Citations
19	Low-cost compact diffuse speckle contrast flowmeter using small laser diode and bare charge-coupled-device. Journal of Biomedical Optics, 2016, 21, 080501.	2.6	26
20	Speckle contrast diffuse correlation tomography of complex turbid medium flow. Medical Physics, 2015, 42, 4000-4006.	3.0	36
21	Noncontact diffuse correlation tomography of human breast tumor. Journal of Biomedical Optics, 2015, 20, 086003.	2.6	28
22	Alignment of sources and detectors on breast surface for noncontact diffuse correlation tomography of breast tumors. Applied Optics, 2015, 54, 8808.	2.1	19
23	Noncontact diffuse optical assessment of blood flow changes in head and neck free tissue transfer flaps. Journal of Biomedical Optics, 2015, 20, 075008.	2.6	25
24	Three-dimensional flow contrast imaging of deep tissue using noncontact diffuse correlation tomography. Applied Physics Letters, 2014, 104, 121103.	3.3	45
25	Simultaneous measurement of deep tissue blood flow and oxygenation using noncontact diffuse correlation spectroscopy flow-oximeter. Scientific Reports, 2013, 3, 1358.	3.3	75
26	Noninvasive evaluation of electrical stimulation impacts on muscle hemodynamics via integrating diffuse optical spectroscopies with muscle stimulator. Journal of Biomedical Optics, 2013, 18, 105002.	2.6	11