

Lei Shi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

404
citations

840776

11
h-index

1199594

12
g-index

17
all docs

17
docs citations

17
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	A sub-nanometric three-axis surface encoder with short-period planar gratings for stage motion measurement. <i>Precision Engineering</i> , 2012, 36, 576-585.	3.4	104
2	Impaired Leptomeningeal Collateral Flow Contributes to the Poor Outcome following Experimental Stroke in the Type 2 Diabetic Mice. <i>Journal of Neuroscience</i> , 2015, 35, 3851-3864.	3.6	54
3	Capillary blood flow imaging within human finger cuticle using optical microangiography. <i>Journal of Biophotonics</i> , 2015, 8, 46-51.	2.3	47
4	Wide velocity range Doppler optical microangiography using optimized step-scanning protocol with phase variance mask. <i>Journal of Biomedical Optics</i> , 2013, 18, 106015.	2.6	37
5	Fast synchronized dual-wavelength laser speckle imaging system for monitoring hemodynamic changes in a stroke mouse model. <i>Optics Letters</i> , 2012, 37, 4005.	3.3	31
6	Fabrication of optical mosaic gratings with phase and attitude adjustments employing latent fringes and a red-wavelength dual-beam interferometer. <i>Optics Express</i> , 2009, 17, 21530.	3.4	29
7	Macro-to-micro cortical vascular imaging underlies regional differences in ischemic brain. <i>Scientific Reports</i> , 2015, 5, 10051.	3.3	26
8	Differential Ubiquitin Binding by the Acidic Loops of Ube2g1 and Ube2r1 Enzymes Distinguishes Their Lys-48-ubiquitylation Activities. <i>Journal of Biological Chemistry</i> , 2015, 290, 2251-2263.	3.4	22
9	Monitoring Hypoxia Induced Changes in Cochlear Blood Flow and Hemoglobin Concentration Using a Combined Dual-Wavelength Laser Speckle Contrast Imaging and Doppler Optical Microangiography System. <i>PLoS ONE</i> , 2012, 7, e52041.	2.5	18
10	Multimodal optical imaging can reveal changes in microcirculation and tissue oxygenation during skin wound healing. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 470-478.	2.1	16
11	Fabrication of optical mosaic gratings: a self-referencing alignment method. <i>Optics Express</i> , 2011, 19, 8985.	3.4	13
12	Functional evaluation of hemodynamic response during neural activation using optical microangiography integrated with dual-wavelength laser speckle imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 026013.	2.6	4
13	Fabrication of optical mosaic gratings by consecutive holographic exposures employing a latent-fringe based alignment technique. , 2010, , .		2
14	Variable-range Doppler optical microangiography using stabilized step scanning and phase variance binarized mask. , 2013, , .		1
15	Flexibly combined optical microangiography and dual-wavelength laser speckle system for comprehensive imaging of hemodynamic and metabolic responses. , 2014, , .		0
16	Multi-parametric imaging of cerebral hemodynamic and metabolic response followed by ischemic injury. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
17	Large field-of-view and depth-specific cortical microvascular imaging underlies regional differences in ischemic brain. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0