

Kijoon Lee

List of Publications by Year in descending order

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47
papers

1,465
citations

471509

17
h-index

434195

31
g-index

49
all docs

49
docs citations

49
times ranked

1399
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffuse optical tomography of breast cancer during neoadjuvant chemotherapy: A case study with comparison to MRI. <i>Medical Physics</i> , 2005, 32, 1128-1139.	3.0	261
2	Diffuse optical tomography with spectral constraints and wavelength optimization. <i>Applied Optics</i> , 2005, 44, 2082.	2.1	192
3	Differentiation of benign and malignant breast tumors by in-vivo three-dimensional parallel-plate diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2009, 14, 024020.	2.6	189
4	Deep tissue flowmetry based on diffuse speckle contrast analysis. <i>Optics Letters</i> , 2013, 38, 1401.	3.3	98
5	Imaging complex structures with diffuse light. <i>Optics Express</i> , 2008, 16, 5048.	3.4	89
6	Apoptosis in capillary endothelial cells in ageing skeletal muscle. <i>Aging Cell</i> , 2014, 13, 254-262.	6.7	77
7	Nanoarray-Based Biomolecular Detection Using Individual Au Nanoparticles with Minimized Localized Surface Plasmon Resonance Variations. <i>Analytical Chemistry</i> , 2011, 83, 2605-2612.	6.5	64
8	Diffuse correlation spectroscopy with a fast Fourier transform-based software autocorrelator. <i>Journal of Biomedical Optics</i> , 2012, 17, 0970041.	2.6	56
9	Optically induced pulse delay in a solid-state Raman amplifier. <i>Applied Physics Letters</i> , 2001, 78, 703-705.	3.3	53
10	Multi-channel deep tissue flowmetry based on temporal diffuse speckle contrast analysis. <i>Optics Express</i> , 2013, 21, 22854.	3.4	47
11	Optical methods for blood perfusion measurement— theoretical comparison among four different modalities. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 860.	1.5	41
12	Comparison of diffuse optical tomography of human breast with whole-body and breast-only positron emission tomography. <i>Medical Physics</i> , 2008, 35, 446-455.	3.0	32
13	Optical mammography: Diffuse optical imaging of breast cancer. <i>World Journal of Clinical Oncology</i> , 2011, 2, 64.	2.3	32
14	Glycosylated porphyrin derivatives and their photodynamic activity in cancer cells. <i>MedChemComm</i> , 2011, 2, 371.	3.4	31
15	Standardized platform for coregistration of nonconcurrent diffuse optical and magnetic resonance breast images obtained in different geometries. <i>Journal of Biomedical Optics</i> , 2007, 12, 051902.	2.6	30
16	Simultaneous blood flow and blood oxygenation measurements using a combination of diffuse speckle contrast analysis and near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 027001.	2.6	28
17	Laser action in temperature-controlled scattering media. <i>Optics Communications</i> , 2002, 203, 169-174.	2.1	20
18	Hemodynamic monitoring of Chlorin e6-mediated photodynamic therapy using diffuse optical measurements. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 163-172.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Avian embryo monitoring during incubation using multi-channel diffuse speckle contrast analysis. Biomedical Optics Express, 2016, 7, 93.	2.9	16
20	Quantitative comparison of tissue oxygen and motexafin lutetium uptake by ex vivo and noninvasive in vivo techniques in patients with intraperitoneal carcinomatosis. Journal of Biomedical Optics, 2007, 12, 034023.	2.6	15
21	Muscular blood flow responses as an early predictor of the severity of diabetic neuropathy at a later stage in streptozotocin-induced type I diabetic rats: a diffuse correlation spectroscopy study. Biomedical Optics Express, 2018, 9, 4539.	2.9	14
22	Early assessment of tumor response to photodynamic therapy using combined diffuse optical and diffuse correlation spectroscopy to predict treatment outcome. Oncotarget, 2017, 8, 19902-19913.	1.8	10
23	Diffuse Speckle Contrast Analysis (DSCA) for Deep Tissue Blood Flow Monitoring. Advanced Biomedical Engineering, 2020, 9, 21-30.	0.6	8
24	Low frequency oscillations assessed by diffuse speckle contrast analysis for foot angiosome concept. Scientific Reports, 2020, 10, 17153.	3.3	7
25	Transmission RF diffuse optical tomography instrument for human breast imaging. Proceedings of SPIE, 2007, , .	0.8	4
26	Fast and Affordable Diffuse Optical Deep-Tissue Flowmetry. Optics and Photonics News, 2013, 24, 32.	0.5	4
27	Multimodal information integration and visualization: optical imaging and MRI. , 2005, , .		3
28	Age-Related Feature Extraction on Mouse Skeletal Muscle: Data Mining Approach. Journal of Medical Imaging and Health Informatics, 2012, 2, 386-392.	0.3	3
29	Artifact Reduction in CW Transmission Diffuse Optical Tomography. , 2004, , .		3
30	Blood flow estimation via numerical integration of temporal autocorrelation function in diffuse correlation spectroscopy. Computer Methods and Programs in Biomedicine, 2022, 222, 106933.	4.7	3
31	Joint analysis of non-concurrent magnetic resonance imaging and diffuse optical tomography of breast cancer. , 2007, , .		2
32	Coherent backscattering cone shape depends on the beam size. Applied Optics, 2012, 51, 6301.	1.8	2
33	Cortical Regions Associated with Visual-Auditory Integration: an fNIRS study. , 2019, , .		2
34	Deep Tissue Hemodynamic Monitoring Using Diffuse Optical Probes. Progress in Optical Science and Photonics, 2016, , 135-159.	0.5	2
35	Regularization of diffuse optical tomography images by envelope guided conjugate gradients. , 2004, , .		2
36	Diffuse Optical Tomography and Positron Emission Tomography of Human Breast. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
37	Next Generation Heterodyne Multi-spectral Breast Imager. , 2008, , .		2
38	Noninvasive Diffuse Optical Measurement of Hemodynamic Parameters During Photodynamic Therapy. , 2011, , .		2
39	A software platform for visualization and multimodal registration of diffuse optical tomography and MRI of breast cancer. , 2006, 6081, 126.		1
40	Multi-Harmonic homodyne approach for optical property measurement of turbid medium in transmission geometry. Optics Communications, 2012, 285, 2007-2011.	2.1	1
41	Controlling pulse propagation speed in CH3F far-infrared amplifier. Journal of Applied Physics, 2002, 91, 4005-4009.	2.5	0
42	The use of diffuse optical spectroscopy and diffuse correlation spectroscopy system for monitoring of tumor response to photodynamic therapy. Proceedings of SPIE, 2013, , .	0.8	0
43	A fiber optic probe coupled low-cost CMOS-camera-based system for simultaneous measurement of oxy-, deoxyhemoglobin, and blood flow. , 2015, , .		0
44	White light diffuse optical tomography and validation of optimum wavelengths for CW DOT. , 2006, , .		0
45	Breast Cancer Detection and Characterization using 3D Diffuse Optical Tomography. , 2006, , .		0
46	In Vivo Breast Cancer Characterization and Therapy Monitoring using Diffuse Optical Methods based on Endogenous Optical/Exogenous Fluorescence Contrast. , 2008, , .		0
47	Dataset on transcriptome signature of skeletal muscle of young, adult and aged mice. Data in Brief, 2022, 43, 108321.	1.0	0