

Woonggyu Jung

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,263
citations

430874

18
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification and visualization of metastatic lung tumors in mice. <i>Toxicological Research</i> , 2022, 38, 503-510.	2.1	1
2	Deep-Learning-Based Algorithm for the Removal of Electromagnetic Interference Noise in Photoacoustic Endoscopic Image Processing. <i>Sensors</i> , 2022, 22, 3961.	3.8	6
3	In situ facile-forming chitosan hydrogels with tunable physicochemical and tissue adhesive properties by polymer graft architecture. <i>Carbohydrate Polymers</i> , 2020, 229, 115538.	10.2	24
4	The synergistic effect of biomimetic electrical stimulation and extracellular-matrix-mimetic nanopattern for upregulating cell activities. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112470.	10.1	15
5	Synthetic Retinoid Seletinoid G Improves Skin Barrier Function through Wound Healing and Collagen Realignment in Human Skin Equivalents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3198.	4.1	15
6	Compartmentalized Arrays of Matrix Droplets for Quantitative Mass Spectrometry Imaging of Adsorbed Peptides. <i>Analytical Chemistry</i> , 2020, 92, 8715-8721.	6.5	7
7	Serial optical coherence microscopy for label-free volumetric histopathology. <i>Scientific Reports</i> , 2020, 10, 6711.	3.3	7
8	Quantitative Screening of Cervical Cancers for Low-Resource Settings: Pilot Study of Smartphone-Based Endoscopic Visual Inspection After Acetic Acid Using Machine Learning Techniques. <i>JMIR MHealth and UHealth</i> , 2020, 8, e16467.	3.7	18
9	Snake fangâ€”inspired stamping patch for transdermal delivery of liquid formulations. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	95
10	Quantitative assessment of regional variation in tissue clearing efficiency using optical coherence tomography (OCT) and magnetic resonance imaging (MRI): A feasibility study. <i>Scientific Reports</i> , 2019, 9, 2923.	3.3	11
11	Effect of Air Injection Depth on Big-bubble Formation in Lamellar Keratoplasty: an Ex Vivo Study. <i>Scientific Reports</i> , 2019, 9, 3785.	3.3	5
12	Labelâ€”free optical projection tomography for quantitative threeâ€”dimensional anatomy of mouse embryo. <i>Journal of Biophotonics</i> , 2019, 12, e201800481.	2.3	16
13	Quantitative Evaluation of Skin Surface Roughness Using Optical Coherence Tomography < i>In Vivo < /i>. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-8.	2.9	11
14	Imageâ€”guided recording system for spatial and temporal mapping of neuronal activities in brain slice. <i>Journal of Biophotonics</i> , 2018, 11, e201700243.	2.3	1
15	Optical assessment of the < i>in vivo< /i> tympanic membrane status using a handheld optical coherence tomography-based otoscope. <i>Acta Oto-Laryngologica</i> , 2018, 138, 367-374.	0.9	15
16	Evaluation of fouling in nanofiltration for desalination using a resistance-in-series model and optical coherence tomography. <i>Science of the Total Environment</i> , 2018, 642, 349-355.	8.0	34
17	Optical properties of acute kidney injury measured by quantitative phase imaging. <i>Biomedical Optics Express</i> , 2018, 9, 921.	2.9	28
18	Substrate curvature affects the shape, orientation, and polarization of renal epithelial cells. <i>Acta Biomaterialia</i> , 2018, 77, 311-321.	8.3	42

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19	Effect of tissue staining in quantitative phase imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201700402.	2.3	5
20	Quantitative phase imaging for medical diagnosis. <i>Journal of Biophotonics</i> , 2017, 10, 177-205.	2.3	127
21	Measurement of multispectral scattering properties in mouse brain tissue. <i>Biomedical Optics Express</i> , 2017, 8, 1763.	2.9	7
22	Lamellar keratoplasty using position-guided surgical needle and M-mode optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	11
23	Smartphone-Based Endoscope System for Advanced Point-of-Care Diagnostics: Feasibility Study. <i>JMIR MHealth and UHealth</i> , 2017, 5, e99.	3.7	20
24	Label-free, multi-scale imaging of ex-vivo mouse brain using spatial light interference microscopy. <i>Scientific Reports</i> , 2016, 6, 39667.	3.3	15
25	Depth enhancement in spectral domain optical coherence tomography using bidirectional imaging modality with a single spectrometer. <i>Journal of Biomedical Optics</i> , 2016, 21, 076005.	2.6	25
26	Quantitative monitoring of laser-treated engineered skin using optical coherence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 1030.	2.9	14
27	One-photon and two-photon stimulation of neurons in a microfluidic culture system. <i>Lab on A Chip</i> , 2016, 16, 1684-1690.	6.0	24
28	Lateral resolution enhancement using programmable phase modulator in optical coherence tomography. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S1465-S1471.	0.6	8
29	Optical Coherence Tomography for the Diagnosis and Evaluation of Human Otitis Media. <i>Journal of Korean Medical Science</i> , 2015, 30, 328.	2.5	37
30	Evaluation of the usefulness of three-dimensional optical coherence tomography in a guinea pig model of endolymphatic hydrops induced by surgical obliteration of the endolymphatic duct. <i>Journal of Biomedical Optics</i> , 2015, 20, 036009.	2.6	9
31	Wide-field optical coherence microscopy of the mouse brain slice. <i>Optics Letters</i> , 2015, 40, 4420.	3.3	21
32	Development of Real-Time Dual-Display Handheld and Bench-Top Hybrid-Mode SD-OCTs. <i>Sensors</i> , 2014, 14, 2171-2181.	3.8	19
33	Special issue on biomedical optics. <i>Biomedical Engineering Letters</i> , 2014, 4, 199-200.	4.1	0
34	Stimulated penetrating keratoplasty using real-time virtual intraoperative surgical optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	2.6	17
35	In vivo imaging of middle-ear and inner-ear microstructures of a mouse guided by SD-OCT combined with a surgical microscope. <i>Optics Express</i> , 2014, 22, 8985.	3.4	46
36	Phase correction using programmable phase modulator (PPM) in optical coherence tomography. <i>Biomedical Engineering Letters</i> , 2014, 4, 64-72.	4.1	5

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37	Comparison of a MEMS-Based Handheld OCT Scanner With a Commercial Desktop OCT System for Retinal Evaluation. <i>Translational Vision Science and Technology</i> , 2014, 3, 10.	2.2	8
38	High Speed SD-OCT System Using GPU Accelerated Mode for in vivo Human Eye Imaging. <i>Journal of the Optical Society of Korea</i> , 2013, 17, 68-72.	0.6	20
39	Noninvasive in vivo optical detection of biofilm in the human middle ear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9529-9534.	7.1	109
40	Full-range k-domain linearization in spectral-domain optical coherence tomography. <i>Applied Optics</i> , 2011, 50, 1158.	2.1	63
41	Handheld Optical Coherence Tomography Scanner for Primary Care Diagnostics. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 741-744.	4.2	130
42	The application of optical coherence tomography for monitoring of the laser marking performance. , 2007, , .		0
43	In vivo three-dimensional spectral domain endoscopic optical coherence tomography using a microelectromechanical system mirror. <i>Optics Letters</i> , 2007, 32, 3239.	3.3	61
44	A MEMS based Optical Coherence Tomography Imaging System and Optical Biopsy Probes for Real-Time, High Resolution In-Vivo and In-Vitro 2-D or 3-D Imaging. , 2006, , .		1
45	Turbid two-phase slug flow in a microtube: Simultaneous visualization of structure and velocity field. <i>Applied Physics Letters</i> , 2006, 89, 064109.	3.3	15
46	Advances in oral cancer detection using optical coherence tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 811-817.	2.9	58
47	Three-dimensional optical coherence tomography employing a 2-axis microelectromechanical scanning mirror. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 806-810.	2.9	31
48	3-D MEMS based real-time minimally invasive endoscopic optical coherence tomography. , 0, , .		0