Jonghee Yoon

List of Publications by Year
in descending order

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66 papers	2,336 citations	257450 24 h-index	265206 42 g-index
70 all docs	70 docs citations	70 times ranked	2598 citing authors

#	Article	IF	Citations
1	Hyperspectral Imaging for Clinical Applications. Biochip Journal, 2022, 16, 1-12.	4.9	43
2	Deep Learning-Based Method for the Robust and Efficient Fault Diagnosis in the Electric Power System. IEEE Access, 2022, 10, 44660-44668.	4.2	9
3	Assessment of angle-dependent spectral distortion to develop accurate hyperspectral endoscopy. Scientific Reports, 2022, 12, .	3.3	0
4	First experience in clinical application of hyperspectral endoscopy for evaluation of colonic polyps. Journal of Biophotonics, 2021, 14, e202100078.	2.3	10
5	A background correction method to compensate illumination variation in hyperspectral imaging. PLoS ONE, 2020, 15, e0229502.	2.5	6
6	Deep learning applied to hyperspectral endoscopy for online spectral classification. Scientific Reports, 2020, 10, 3947.	3.3	37
7	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
8	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
9	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
10	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
11	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
12	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
13	A clinically translatable hyperspectral endoscopy (HySE) system for imaging the gastrointestinal tract. Nature Communications, 2019, 10, 1902.	12.8	75
14	Quantitative evaluation of comb-structure correction methods for multispectral fibrescopic imaging. Scientific Reports, 2018, 8, 17801.	3.3	7
15	Label-Free Identification of Lymphocyte Subtypes Using Three-Dimensional Quantitative Phase Imaging and Machine Learning. Journal of Visualized Experiments, 2018, , .	0.3	8
16	Bimodal reflectance and fluorescence multispectral endoscopy based on spectrally resolving detector arrays. Journal of Biomedical Optics, 2018, 24, 1.	2.6	17
17	Induction of neuronal activation by femtosecondâ€pulsed laser irradiation and its potential application for amyloidâ€Î²â€“induced toxicity assessment. Journal of Biophotonics, 2017, 10, 311-319.	2.3	3
18	Antibacterial Activities of Graphene Oxideâ€“Molybdenum Disulfide Nanocomposite Films. ACS Applied Materials & Interfaces, 2017, 9, 7908-7917.	8.0	150

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19	Measurements of morphological and biophysical alterations in individual neuron cells associated with early neurotoxic effects in Parkinson's disease. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 510-518.	1.5	71
20	Holographic deep learning for rapid optical screening of anthrax spores. Science Advances, 2017, 3, e1700606.	10.3	143
21	Identification of non-activated lymphocytes using three-dimensional refractive index tomography and machine learning. Scientific Reports, 2017, 7, 6654.	3.3	105
22	A Bacteriaâ€Based Remotely Tunable Photonic Device. Advanced Optical Materials, 2017, 5, 1600617.	7.3	26
23	Application of Ultrashort-Pulsed Lasers for Optical Manipulation of Biological Functions. , 2017, , 717-729.		2
24	White Light Quantitative Phase Imaging Unit. , 2017, , .		0
25	Characterizations of Erythrocytes from Individuals with Sickle Cell Diseases and Malaria Infection in Tanzania Using a Portable Quantitative Phase Imaging Unit. , 2017, , .		0
26	Label-free, Optical Measurements of Brain Morphologies in Alzheimerâ€™s Disease Using Quantitative Phase Imaging. , 2017, , .		0
27	Three-dimensional label-free imaging and quantification of lipid droplets in live hepatocytes. Scientific Reports, 2016, 6, 36815.	3.3	121
28	Label-free optical quantification of structural alterations in Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 31034.	3.3	67
29	White-light quantitative phase imaging unit. Optics Express, 2016, 24, 9308.	3.4	54
30	Hyperspectral optical diffraction tomography. Optics Express, 2016, 24, 2006.	3.4	68
31	Optical characterization of red blood cells from individuals with sickle cell trait and disease in Tanzania using quantitative phase imaging. Scientific Reports, 2016, 6, 31698.	3.3	30
32	Optical diffraction tomography using a digital micromirror device for stable measurements of 4D refractive index tomography of cells. Proceedings of SPIE, 2016, , .	0.8	46
33	Large-scale optical diffraction tomography for inspection of optical plastic lenses. Optics Letters, 2016, 41, 934.	3.3	28
34	The Mitochondrial Fusion-Related Proteins Mfn2 and OPA1 are Transcriptionally Induced during Differentiation of Bone Marrow Progenitors to Immature Dendritic Cells. Molecules and Cells, 2015, 38, 89-94.	2.6	32
35	Label-free characterization of white blood cells by measuring 3D refractive index maps. Biomedical Optics Express, 2015, 6, 3865.	2.9	133
36	Optogenetic control of cell signaling pathway through scattering skull using wavefront shaping. Scientific Reports, 2015, 5, 13289.	3.3	39

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37	Label-free analysis and identification of white blood cell population using optical diffraction tomography. , 2015, , .		0
38	Cytosolic Irradiation of Femtosecond Laser Induces Mitochondria-dependent Apoptosis-like Cell Death via Intrinsic Reactive Oxygen Cascades. Scientific Reports, 2015, 5, 8231.	3.3	21
39	Active illumination using a digital micromirror device for quantitative phase imaging. Optics Letters, 2015, 40, 5407.	3.3	168
40	Recent advances in wavefront shaping techniques for biomedical applications. Current Applied Physics, 2015, 15, 632-641.	2.4	194
41	Simultaneous 3D visualization and position tracking of optically trapped particles using optical diffraction tomography. Optica, 2015, 2, 343.	9.3	79
42	Measuring optical transmission matrices by wavefront shaping. Optics Express, 2015, 23, 10158.	3.4	112
43	Cell-based optical assay for amyloid Î²-induced neuronal cell dysfunction using femtosecond-pulsed laser. , 2015, , .		0
44	Quantitative characterization of neurotoxicity effects on individual neuron cells using optical diffraction tomography. , 2015, , .		1
45	Optical diffraction tomography for simultaneous 3D visualization and tracking of optically trapped particles. , 2015, , .		2
46	Application of Ultrashort-Pulsed Lasers for Optical Manipulation of Biological Functions. , 2015, , 1-10.		0
47	Optogenetic regulation of cellular functions through an intact skull using wavefront shaping. , 2015, , .		0
48	Phenotypic Modulation of Primary Vascular Smooth Muscle Cells by Short-Term Culture on Micropatterned Substrate. PLoS ONE, 2014, 9, e88089.	2.5	69
49	Common-path diffraction optical tomography for investigation of three-dimensional structures and dynamics of biological cells. Optics Express, 2014, 22, 10398.	3.4	111
50	Optical induction of muscle contraction at the tissue scale through intrinsic cellular amplifiers. Journal of Biophotonics, 2014, 7, 597-606.	2.3	6
51	Mutant Ubiquitin UBB+1 Induces Mitochondrial Fusion by Destabilizing Mitochondrial Fission-Specific Proteins and Confers Resistance to Oxidative Stress-Induced Cell Death in Astrocytic Cells. PLoS ONE, 2014, 9, e99937.	2.5	12
52	3-D quantitative tracking of phagosomes using quantitative phase microscopy. , 2014, , .		0
53	Label-free quantitative imaging of lipid droplets using quantitative phase imaging techniques. , 2014, , .		1
54	Application of femtosecondâ€pulsed lasers for direct optical manipulation of biological functions. Annalen Der Physik, 2013, 525, 205-214.	2.4	13

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55	Downregulation of OPA3 Is Responsible for Transforming Growth Factor-Î²-Induced Mitochondrial Elongation and F-Actin Rearrangement in Retinal Pigment Epithelial ARPE-19 Cells. PLoS ONE, 2013, 8, e63495.	2.5	14
56	Optical modulation of astrocyte network using ultrashort pulsed laser. , 2012, , .		3
57	Coloring brain tumor with multi-potent micellar nanoscale drug delivery system. , 2012, , .		0
58	Endoplasmic reticulumâ€specific BH3â€only protein BNIP1 induces mitochondrial fragmentation in a Bclâ€2â€ and Drp1â€dependent manner. Journal of Cellular Physiology, 2012, 227, 3027-3035.	4.1	20
59	Minimally invasive molecular delivery into the brain using optical modulation of vascular permeability. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9256-9261.	7.1	53
60	Optical control of urinary bladder contraction using femtosecond-pulsed laser. , 2011, , .		1
61	Label-free optical activation of astrocyte in vivo. Journal of Biomedical Optics, 2011, 16, 075003.	2.6	21
62	Optical modulation of smooth muscle cell contraction. Proceedings of SPIE, 2010, , .	0.8	0
63	Label-free optical control of arterial contraction. , 2010, , .		2
64	Label-free optical control of arterial contraction. Journal of Biomedical Optics, 2010, 15, 1.	2.6	19
65	Current Optical Imaging Techniques for Brain Tumor Research: Application of in vivo Laser Scanning Microscopy Imaging with a Cranial Window System. , 0, , .		2
66	Optical diffraction tomography techniques for the study of cell pathophysiology. Journal of Biomedical Photonics and Engineering, 0, , 020201-1-020201-16.	0.7	69