

Jonghee Yoon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9041713/publications.pdf>

Version: 2024-02-01

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	Recent advances in wavefront shaping techniques for biomedical applications. <i>Current Applied Physics</i> , 2015, 15, 632-641.	2.4	194
2	Active illumination using a digital micromirror device for quantitative phase imaging. <i>Optics Letters</i> , 2015, 40, 5407.	3.3	168
3	Antibacterial Activities of Graphene Oxide–Molybdenum Disulfide Nanocomposite Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7908-7917.	8.0	150
4	Holographic deep learning for rapid optical screening of anthrax spores. <i>Science Advances</i> , 2017, 3, e1700606.	10.3	143
5	Label-free characterization of white blood cells by measuring 3D refractive index maps. <i>Biomedical Optics Express</i> , 2015, 6, 3865.	2.9	133
6	Three-dimensional label-free imaging and quantification of lipid droplets in live hepatocytes. <i>Scientific Reports</i> , 2016, 6, 36815.	3.3	121
7	Measuring optical transmission matrices by wavefront shaping. <i>Optics Express</i> , 2015, 23, 10158.	3.4	112
8	Common-path diffraction optical tomography for investigation of three-dimensional structures and dynamics of biological cells. <i>Optics Express</i> , 2014, 22, 10398.	3.4	111
9	Identification of non-activated lymphocytes using three-dimensional refractive index tomography and machine learning. <i>Scientific Reports</i> , 2017, 7, 6654.	3.3	105
10	Simultaneous 3D visualization and position tracking of optically trapped particles using optical diffraction tomography. <i>Optica</i> , 2015, 2, 343.	9.3	79
11	A clinically translatable hyperspectral endoscopy (HySE) system for imaging the gastrointestinal tract. <i>Nature Communications</i> , 2019, 10, 1902.	12.8	75
12	Measurements of morphological and biophysical alterations in individual neuron cells associated with early neurotoxic effects in Parkinson's disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 510-518.	1.5	71
13	Phenotypic Modulation of Primary Vascular Smooth Muscle Cells by Short-Term Culture on Micropatterned Substrate. <i>PLoS ONE</i> , 2014, 9, e88089.	2.5	69
14	Optical diffraction tomography techniques for the study of cell pathophysiology. <i>Journal of Biomedical Photonics and Engineering</i> , 0, , 020201-1-020201-16.	0.7	69
15	Hyperspectral optical diffraction tomography. <i>Optics Express</i> , 2016, 24, 2006.	3.4	68
16	Label-free optical quantification of structural alterations in Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 31034.	3.3	67
17	White-light quantitative phase imaging unit. <i>Optics Express</i> , 2016, 24, 9308.	3.4	54
18	Minimally invasive molecular delivery into the brain using optical modulation of vascular permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9256-9261.	7.1	53

#	ARTICLE	IF	CITATIONS
19	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
20	Hyperspectral Imaging for Clinical Applications. Biochip Journal, 2022, 16, 1-12.	4.9	43
21	Optogenetic control of cell signaling pathway through scattering skull using wavefront shaping. Scientific Reports, 2015, 5, 13289.	3.3	39
22	Deep learning applied to hyperspectral endoscopy for online spectral classification. Scientific Reports, 2020, 10, 3947.	3.3	37
23	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
24	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
25	Large-scale optical diffraction tomography for inspection of optical plastic lenses. Optics Letters, 2016, 41, 934.	3.3	28
26	A Bacteria-Based Remotely Tunable Photonic Device. Advanced Optical Materials, 2017, 5, 1600617.	7.3	26
27	Label-free optical activation of astrocyte in vivo. Journal of Biomedical Optics, 2011, 16, 075003.	2.6	21
28	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
29	Endoplasmic reticulum-specific BH3-only protein BNIP1 induces mitochondrial fragmentation in a Bcl-2 and Drp1-dependent manner. Journal of Cellular Physiology, 2012, 227, 3027-3035.	4.1	20
30	Label-free optical control of arterial contraction. Journal of Biomedical Optics, 2010, 15, 1.	2.6	19
31	Bimodal reflectance and fluorescence multispectral endoscopy based on spectrally resolving detector arrays. Journal of Biomedical Optics, 2018, 24, 1.	2.6	17
32	Downregulation of OPA3 Is Responsible for Transforming Growth Factor- β 2-Induced Mitochondrial Elongation and F-Actin Rearrangement in Retinal Pigment Epithelial ARPE-19 Cells. PLoS ONE, 2013, 8, e63495.	2.5	14
33	Application of femtosecond-pulsed lasers for direct optical manipulation of biological functions. Annalen Der Physik, 2013, 525, 205-214.	2.4	13
34	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
35	First experience in clinical application of hyperspectral endoscopy for evaluation of colonic polyps. Journal of Biophotonics, 2021, 14, e202100078.	2.3	10
36	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

#	ARTICLE	IF	CITATIONS
37	Label-Free Identification of Lymphocyte Subtypes Using Three-Dimensional Quantitative Phase Imaging and Machine Learning. Journal of Visualized Experiments, 2018, , .	0.3	8
38	Quantitative evaluation of comb-structure correction methods for multispectral fibrescopic imaging. Scientific Reports, 2018, 8, 17801.	3.3	7
39	Optical induction of muscle contraction at the tissue scale through intrinsic cellular amplifiers. Journal of Biophotonics, 2014, 7, 597-606.	2.3	6
40	A background correction method to compensate illumination variation in hyperspectral imaging. PLoS ONE, 2020, 15, e0229502.	2.5	6
41	Optical modulation of astrocyte network using ultrashort pulsed laser. , 2012, , .		3
42	Induction of neuronal activation by femtosecond-pulsed laser irradiation and its potential application for amyloid β -induced toxicity assessment. Journal of Biophotonics, 2017, 10, 311-319.	2.3	3
43	Label-free optical control of arterial contraction. , 2010, , .		2
44	Current Optical Imaging Techniques for Brain Tumor Research: Application of in vivo Laser Scanning Microscopy Imaging with a Cranial Window System. , 0, , .		2
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. , 2017, , 717-729.		2
47	Optical control of urinary bladder contraction using femtosecond-pulsed laser. , 2011, , .		1
48	Label-free quantitative imaging of lipid droplets using quantitative phase imaging techniques. , 2014, , .		1
49	Quantitative characterization of neurotoxicity effects on individual neuron cells using optical diffraction tomography. , 2015, , .		1
50	Optical modulation of smooth muscle cell contraction. Proceedings of SPIE, 2010, , .	0.8	0
51	Coloring brain tumor with multi-potent micellar nanoscale drug delivery system. , 2012, , .		0
52	Label-free analysis and identification of white blood cell population using optical diffraction tomography. , 2015, , .		0
53	Cell-based optical assay for amyloid β -induced neuronal cell dysfunction using femtosecond-pulsed laser. , 2015, , .		0
54	3-D quantitative tracking of phagosomes using quantitative phase microscopy. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
55	Application of Ultrashort-Pulsed Lasers for Optical Manipulation of Biological Functions. , 2015, , 1-10.		0
56	Optogenetic regulation of cellular functions through an intact skull using wavefront shaping. , 2015, , .		0
57	White Light Quantitative Phase Imaging Unit. , 2017, , .		0
58	Characterizations of Erythrocytes from Individuals with Sickle Cell Diseases and Malaria Infection in Tanzania Using a Portable Quantitative Phase Imaging Unit. , 2017, , .		0
59	Label-free, Optical Measurements of Brain Morphologies in Alzheimerâ€™s Disease Using Quantitative Phase Imaging. , 2017, , .		0
60	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
61	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
62	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
63	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
64	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
65	A background correction method to compensate illumination variation in hyperspectral imaging. , 2020, 15, e0229502.		0
66	Assessment of angle-dependent spectral distortion to develop accurate hyperspectral endoscopy. Scientific Reports, 2022, 12, .	3.3	0