

Taewoo Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3128672/publications.pdf>

Version: 2024-02-01

12
papers

632
citations

1040056

9
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	White-light diffraction tomography of unlabelled live cells. <i>Nature Photonics</i> , 2014, 8, 256-263.	31.4	385
2	Solving inverse scattering problems in biological samples by quantitative phase imaging. <i>Laser and Photonics Reviews</i> , 2016, 10, 13-39.	8.7	62
3	Label-Free Characterization of Emerging Human Neuronal Networks. <i>Scientific Reports</i> , 2014, 4, 4434.	3.3	58
4	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. <i>Science Advances</i> , 2020, 6, eaay6200.	10.3	29
5	Gradient field microscopy of unstained specimens. <i>Optics Express</i> , 2012, 20, 6737.	3.4	26
6	Laplace field microscopy for label-free imaging of dynamic biological structures. <i>Optics Letters</i> , 2011, 36, 4704.	3.3	19
7	High Resolution Phase-Sensitive Magnetomotive Optical Coherence Microscopy for Tracking Magnetic Microbeads and Cellular Mechanics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 25-31.	2.9	19
8	Optical excitation and detection of neuronal activity. <i>Journal of Biophotonics</i> , 2019, 12, e201800269.	2.3	19
9	Gradient field microscopy for label-free diagnosis of human biopsies [Invited]. <i>Applied Optics</i> , 2013, 52, A92.	1.8	11
10	ELVIS: A Correlated Light-Field and Digital Holographic Microscope for Field and Laboratory Investigations. <i>Microscopy Today</i> , 2020, 28, 18-25.	0.3	4
11	Gradient field microscopy of unstained specimens: reply to comment. <i>Optics Express</i> , 2013, 21, 19188.	3.4	0
12	ELVIS: A Correlated Light-Field and Digital Holographic Microscope for Field and Laboratory Investigations – Field Demonstration. <i>Microscopy Today</i> , 2020, 28, 14-18.	0.3	0