

Weibo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

170
citations

1307594

7
h-index

1199594

12
g-index

24
all docs

24
docs citations

24
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic microkayaks: propulsion of microrods precessing near a surface by kilohertz frequency, rotating magnetic fields. <i>Nanoscale</i> , 2017, 9, 3375-3381.	5.6	40
2	Stable and robust frequency domain position compensation strategy for Fourier ptychographic microscopy. <i>Optics Express</i> , 2017, 25, 28053.	3.4	27
3	Image scanning microscopy with a long depth of focus generated by an annular radially polarized beam. <i>Optics Express</i> , 2020, 28, 39288.	3.4	15
4	Long working distance microscope with a low obscuration aspherical Schwarzschild objective. <i>Optics Letters</i> , 2014, 39, 6699.	3.3	11
5	Lensfree on-chip microscopy based on single-plane phase retrieval. <i>Optics Express</i> , 2022, 30, 19855.	3.4	10
6	Accelerated and high-quality Fourier ptychographic method using a double truncated Wirtinger criteria. <i>Optics Express</i> , 2018, 26, 26556.	3.4	8
7	Heterodyne confocal microscopy using symmetrical shifted-focus phase filters. <i>Optics Express</i> , 2018, 26, 30183.	3.4	7
8	Calculations of second harmonic generation with radially polarized excitations by elliptical mirror focusing. <i>Journal of Microscopy</i> , 2019, 273, 36-45.	1.8	6
9	Rigorous modelling of second harmonic generation imaging through stratified media focused by radially polarized beams. <i>Optics Express</i> , 2019, 27, 19737.	3.4	6
10	Mirror based microscope with a super-long working distance in wide spectrum imaging. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 075701.	2.2	5
11	Deep learning enables confocal laser-scanning microscopy with enhanced resolution. <i>Optics Letters</i> , 2021, 46, 4932.	3.3	5
12	Correction of refractive index mismatch-induced aberrations under radially polarized illumination by deep learning. <i>Optics Express</i> , 2020, 28, 26028.	3.4	5
13	Lensfree auto-focusing imaging using nuclear norm of gradient. <i>Optics and Lasers in Engineering</i> , 2022, 156, 107076.	3.8	5
14	Reference surface calibration of a Fizeau interferometer through even/odd synthesis. <i>Applied Optics</i> , 2011, 50, 3482.	2.1	4
15	Second harmonic generation microscopy using pixel reassignment. <i>Journal of Microscopy</i> , 2021, 281, 97-105.	1.8	4
16	Pixel super-resolved lens-free on-chip microscopy based on dual laterally shifting modulation. <i>Applied Optics</i> , 2020, 59, 3411.	1.8	4
17	Automatic, high-accuracy image registration in confocal microscopy. <i>Applied Optics</i> , 2017, 56, 8924.	1.8	2
18	Model-Independent Lens Distortion Correction Based on Sub-Pixel Phase Encoding. <i>Sensors</i> , 2021, 21, 7465.	3.8	2

#	ARTICLE	IF	CITATIONS
19	Simulation-driven learning: a deep learning approach for image scanning microscopy via physical imaging models. <i>Optics Express</i> , 2022, 30, 11848.	3.4	2
20	Interference Confocal Microscope Integrated with Spatial Phase Shifter. <i>Sensors</i> , 2016, 16, 1358.	3.8	1
21	Wide-Spectrum Microscope with a Long Working Distance Aspherical Objective Based on Obscuration Constraint. <i>Sensors</i> , 2016, 16, 1886.	3.8	1
22	Precision Auto-Focusing Apparatus Based on Long-Working-Distance, Wide-Spectrum Microscope. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4621.	2.5	0
23	Investigation of third harmonic generation confocal microscopy with aberrations. <i>OSA Continuum</i> , 2019, 2, 3176.	1.8	0
24	Circular Dichroism Second-Harmonic Generation Imaging of KTiOPO4 Nanocrystal Through Stratified Media. <i>Frontiers in Chemistry</i> , 2022, 10, 845311.	3.6	0