

# Weibo Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4511913/publications.pdf>

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	Simulation-driven learning: a deep learning approach for image scanning microscopy via physical imaging models. Optics Express, 2022, 30, 11848.	3.4	2
2	Circular Dichroism Second-Harmonic Generation Imaging of KTiOPO4 Nanocrystal Through Stratified Media. Frontiers in Chemistry, 2022, 10, 845311.	3.6	0
3	Lensfree auto-focusing imaging using nuclear norm of gradient. Optics and Lasers in Engineering, 2022, 156, 107076.	3.8	5
4	Lensfree on-chip microscopy based on single-plane phase retrieval. Optics Express, 2022, 30, 19855.	3.4	10
5	Second harmonic generation microscopy using pixel reassignment. Journal of Microscopy, 2021, 281, 97-105.	1.8	4
6	Deep learning enables confocal laser-scanning microscopy with enhanced resolution. Optics Letters, 2021, 46, 4932.	3.3	5
7	Model-Independent Lens Distortion Correction Based on Sub-Pixel Phase Encoding. Sensors, 2021, 21, 7465.	3.8	2
8	Precision Auto-Focusing Apparatus Based on Long-Working-Distance, Wide-Spectrum Microscope. Applied Sciences (Switzerland), 2020, 10, 4621.	2.5	0
9	Pixel super-resolved lens-free on-chip microscopy based on dual laterally shifting modulation. Applied Optics, 2020, 59, 3411.	1.8	4
10	Correction of refractive index mismatch-induced aberrations under radially polarized illumination by deep learning. Optics Express, 2020, 28, 26028.	3.4	5
11	Image scanning microscopy with a long depth of focus generated by an annular radially polarized beam. Optics Express, 2020, 28, 39288.	3.4	15
12	Calculations of second harmonic generation with radially polarized excitations by elliptical mirror focusing. Journal of Microscopy, 2019, 273, 36-45.	1.8	6
13	Rigorous modelling of second harmonic generation imaging through stratified media focused by radially polarized beams. Optics Express, 2019, 27, 19737.	3.4	6
14	Investigation of third harmonic generation confocal microscopy with aberrations. OSA Continuum, 2019, 2, 3176.	1.8	0
15	Accelerated and high-quality Fourier ptychographic method using a double truncated Wirtinger criteria. Optics Express, 2018, 26, 26556.	3.4	8
16	Heterodyne confocal microscopy using symmetrical shifted-focus phase filters. Optics Express, 2018, 26, 30183.	3.4	7
17	Magnetic microkayaks: propulsion of microrods precessing near a surface by kilohertz frequency, rotating magnetic fields. Nanoscale, 2017, 9, 3375-3381.	5.6	40
18	Stable and robust frequency domain position compensation strategy for Fourier ptychographic microscopy. Optics Express, 2017, 25, 28053.	3.4	27

#	ARTICLE	IF	CITATIONS
19	Automatic, high-accuracy image registration in confocal microscopy. <i>Applied Optics</i> , 2017, 56, 8924.	1.8	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	Long working distance microscope with a low obscuration aspherical Schwarzschild objective. <i>Optics Letters</i> , 2014, 39, 6699.	3.3	11
23	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
24	Reference surface calibration of a Fizeau interferometer through even/odd synthesis. <i>Applied Optics</i> , 2011, 50, 3482.	2.1	4