Yijun Bao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2223087/publications.pdf

Version: 2024-02-01

18	136	1478505 6	1281871 11
papers	citations	h-index	g-index

19	19	19	133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative phase imaging method based on an analytical nonparaxial partially coherent phase optical transfer function. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 2125.	1.5	39
2	Segmentation of neurons from fluorescence calcium recordings beyond real time. Nature Machine Intelligence, 2021, 3, 590-600.	16.0	27
3	Clarification and unification of the obliquity factor in diffraction and scattering theories: discussion. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1738.	1.5	12
4	Iterative optimization in tomographic deconvolution phase microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 652.	1.5	10
5	Three-dimensional phase optical transfer function in axially symmetric microscopic quantitative phase imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1857.	1.5	9
6	Weighted-least-squares multi-filter phase imaging with partially coherent light: characteristics of annular illumination. Applied Optics, 2019, 58, 137.	1.8	6
7	Quantitative phase imaging of fiber Bragg gratings in multicore fibers. Applied Optics, 2018, 57, 10062.	1.8	6
8	Cross-sectional refractive-index variations in fiber Bragg gratings measured by quantitative phase imaging. Optics Letters, 2020, 45, 53.	3.3	5
9	Decontaminate Traces From Fluorescence Calcium Imaging Videos Using Targeted Non-negative Matrix Factorization. Frontiers in Neuroscience, 2021, 15, 797421.	2.8	4
10	Analytical phase optical transfer function for Gaussian illumination and the optimized illumination profiles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 750.	1.5	2
11	Beam path intersections between two coplanar lidar scanners. Optical Engineering, 2019, 58, 1.	1.0	2
12	Two improved defocus quantitative phase imaging methods: discussion. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 2104.	1.5	1
13	Persistence and fidelity of phase singularities in optical random waves. , 2016, , .		0
14	Iterative Tomographic Deconvolution Phase Microscopy. , 2017, , .		0
15	Characterization of Fiber Bragg Gratings in Multicore Fibers Using Quantitative Phase Imaging. , 2018, , .		0
16	Characterization of Fiber Bragg Gratings using a 3D Quantitative Phase Imaging Approach. , 2019, , .		0
17	Two Defocus Quantitative Phase Imaging Methods: Comparison and Improvements. , 2019, , .		0
18	Annular illumination in two-dimensional quantitative phase imaging: Systematic evaluation. Applied Optics, 2022, 61, 3409-3418.	1.8	0