

Yijun Bao

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

136
citations

1478505

6
h-index

1281871

11
g-index

19
all docs

19
docs citations

19
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Annular illumination in two-dimensional quantitative phase imaging: Systematic evaluation. Applied Optics, 2022, 61, 3409-3418.	1.8	0
2	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
3	Segmentation of neurons from fluorescence calcium recordings beyond real time. Nature Machine Intelligence, 2021, 3, 590-600.	16.0	27
4	Decontaminate Traces From Fluorescence Calcium Imaging Videos Using Targeted Non-negative Matrix Factorization. Frontiers in Neuroscience, 2021, 15, 797421.	2.8	4
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	Cross-sectional refractive-index variations in fiber Bragg gratings measured by quantitative phase imaging. Optics Letters, 2020, 45, 53.	3.3	5
7	Weighted-least-squares multi-filter phase imaging with partially coherent light: characteristics of annular illumination. Applied Optics, 2019, 58, 137.	1.8	6
8	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
9	Characterization of Fiber Bragg Gratings using a 3D Quantitative Phase Imaging Approach. , 2019, , .		0
10	Two Defocus Quantitative Phase Imaging Methods: Comparison and Improvements. , 2019, , .		0
11	Beam path intersections between two coplanar lidar scanners. Optical Engineering, 2019, 58, 1.	1.0	2
12	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
13	Characterization of Fiber Bragg Gratings in Multicore Fibers Using Quantitative Phase Imaging. , 2018, , .		0
14	Quantitative phase imaging of fiber Bragg gratings in multicore fibers. Applied Optics, 2018, 57, 10062.	1.8	6
15	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
16	Iterative Tomographic Deconvolution Phase Microscopy. , 2017, , .		0
17	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
18	Persistence and fidelity of phase singularities in optical random waves. , 2016, , .		0