

Cheng Shen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

569
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept, implementations and applications of Fourier ptychography. Nature Reviews Physics, 2021, 3, 207-223.	26.6	180
2	Two noise-robust axial scanning multi-image phase retrieval algorithms based on Pauta criterion and smoothness constraint. Optics Express, 2017, 25, 16235.	3.4	88
3	Coherent diffraction imaging by moving a lens. Optics Express, 2016, 24, 16520.	3.4	44
4	Non-iterative complex wave-field reconstruction based on Kramers-Kronig relations. Photonics Research, 2021, 9, 1003.	7.0	44
5	A Recovery Method of Double Random Phase Encoding System With a Parallel Phase Retrieval. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	39
6	A fast-converging iterative method based on weighted feedback for multi-distance phase retrieval. Scientific Reports, 2018, 8, 6436.	3.3	28
7	Computational coherent imaging by rotating a cylindrical lens. Optics Express, 2018, 26, 22110.	3.4	27
8	Computational aberration correction of VIS-NIR multispectral imaging microscopy based on Fourier ptychography. Optics Express, 2019, 27, 24923.	3.4	23
9	A robust multi-image phase retrieval. Optics and Lasers in Engineering, 2018, 101, 16-22.	3.8	22
10	Complex amplitude reconstruction by iterative amplitude-phase retrieval algorithm with reference. Optics and Lasers in Engineering, 2018, 105, 54-59.	3.8	17
11	Fast quantitative phase imaging based on Kramers-Kronig relations in space domain. Optics Express, 2021, 29, 41067.	3.4	17
12	Noise-robust pixel-super-resolved multi-image phase retrieval with coherent illumination. Journal of Optics (United Kingdom), 2018, 20, 115703.	2.2	16
13	Enhanced multi-rotation computational coherent imaging based on pre-illumination and simulated annealing compensation. Journal of Optics (United Kingdom), 2019, 21, 115701.	2.2	5
14	Adjustable frequency filtering and weighted feedback for iterative phase retrieval under noisy conditions. Optics and Lasers in Engineering, 2020, 124, 105808.	3.8	4
15	Accurate angle estimation based on moment for multirotation computation imaging. Applied Optics, 2020, 59, 492.	1.8	4
16	Analysis of postreconstruction digital refocusing in Fourier ptychographic microscopy. Optical Engineering, 2022, 61, .	1.0	4
17	Wavefront reconstruction of a non-coaxial diffraction model in a lens system. Applied Optics, 2018, 57, 1127.	1.8	3
18	Stain-free detection of embryo polarization using deep learning. Scientific Reports, 2022, 12, 2404.	3.3	3

#	ARTICLE	IF	CITATIONS
19	VA-GCN: A point cloud analysis network used to mine local aggregation information. Software Impacts, 2021, 10, 100127.	1.4	1
20	Tilt illumination for structured illumination imaging. Optical and Quantum Electronics, 2021, 53, 1.	3.3	0
21	Non-interferometric and non-iterative complex wave-field reconstruction based on Kramers-Kronig relations. , 2022, , .		0