Rui Chen

List of Publications by Year
in descending order

27 papers	523 citations	687363 13 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	541 citing authors

#	Article	IF	Citations
1	Meta-objective with sub-micrometer resolution for microendoscopes. Photonics Research, 2021, 9, 106.	7.0	22
2	Focus shaping of high numerical aperture lens using physics-assisted artificial neural networks. Optics Express, 2021, 29, 13011.	3.4	14
3	Meta-objective with sub-micrometer resolution for microendoscopes. , 2021, , .		0
4	Meta-objective with sub-micrometer resolution for microendoscopes. , 2021, , .		0
5	Meta-objective with sub-micrometer resolution for microendoscopes. , 2021, , .		0
6	Narrow-frequency sharp-angular filters using all-dielectric cascaded meta-gratings. Nanophotonics, 2020, 9, 3443-3450.	6.0	10
7	Nonlinear Reconstruction of Multilayer Media in Scanning Microwave Microscopy. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 197-205.	4.7	7
8	High focusing efficiency in subdiffraction focusing metalens. Nanophotonics, 2019, 8, 1279-1289.	6.0	44
9	Numerical modeling of two-photon focal modulation microscopy with a sinusoidal phase filter. Journal of Biomedical Optics, 2018, 23, 1.	2.6	1
10	Creation of a longitudinally polarized photonic nanojet via an engineered microsphere. Optics Letters, 2017, 42, 1444.	3.3	30
11	TWO FFT SUBSPACE-BASED OPTIMIZATION METHODS FOR ELECTRICAL IMPEDANCE TOMOGRAPHY. Progress in Electromagnetics Research, 2016, 157, 111-120.	4.4	15
12	Interpretation of the optical transfer function: Significance for image scanning microscopy. Optics Express, 2016, 24, 27280.	3.4	28
13	Superresolution microscopy imaging based on full-wave modeling and image reconstruction. Optica, 2016, 3, 1339.	9.3	12
14	Quantitative Theory for Probe-Sample Interaction With Inhomogeneous Perturbation in Near-Field Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1402-1408.	4.6	20
15	Super-focusing of center-covered engineered microsphere. Scientific Reports, 2016, 6, 31637.	3.3	43
16	Crossing the Resolution Limit in Near-Infrared Imaging of Silicon Chips: Targeting 10-nm Node Technology. Physical Review X, 2015, 5, .	8.9	3
17	Three dimensional through-wall imaging: Inverse scattering problems with an inhomogeneous background medium. , 2015, , .		9
18	Analysis of tip-sample interaction in microwave impedance microscopy by lumped element model. , 2015, , .		1

#	Article	IF	Citations
19	Modulation of photonic nanojets generated by microspheres decorated with concentric rings. Optics Express, 2015, 23, 20096.	3.4	60
20	Feature-based filter design for resolution enhancement of known features in microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2610.	1.5	3
21	Imaging using cylindrical vector beams in a high-numerical-aperture microscopy system. Optics Letters, 2013, 38, 3111.	3.3	114
22	A complete and computationally efficient numerical model of aplanatic solid immersion lens scanning microscope. Optics Express, 2013, 21, 14316.	3.4	14
23	Resolution of aplanatic solid immersion lens based microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1059.	1.5	11
24	Complete modeling of subsurface microscopy system based on aplanatic solid immersion lens. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2350.	1.5	13
25	Imaging three-dimensional anisotropic scatterers in multilayered medium by multiple signal classification method with enhanced resolution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1900.	1.5	17
26	Dyadic Greenâ€™s function for aplanatic solid immersion lens based sub-surface microscopy. Optics Express, 2011, 19, 19280.	3.4	18
27	Signal-subspace method approach to the intensity-only electromagnetic inverse scattering problem. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2018.	1.5	14