

Kenneth W Allen

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

493
citations

1163117

8
h-index

1474206

9
g-index

25
all docs

25
docs citations

25
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-harvesting microconical arrays integrated with photodetector FPAs for enhancing infrared imaging devices. , 2022, , .		1
2	Label-free cellphone microscopy with submicron resolution through high-index contact ball lens for in vivo melanoma diagnostics and other applications. , 2022, , .		2
3	Monolithic integration of photodetector focal plane arrays with micropyramidal arrays in mid-wave infrared. , 2022, , .		1
4	Fabrication of 3-D light concentrating microphotonic structures by anisotropic wet etching of silicon. , 2022, , .		2
5	Light-harvesting microconical arrays for enhancing infrared imaging devices: Proposal and demonstration. Applied Physics Letters, 2021, 119, .	3.3	9
6	Light-concentrating microcone array for improving performance of infrared imaging devices. , 2021, , .		0
7	Anisotropic Wet Etching of Si as a Fabrication Tool Enabling 3-D Microphotonic Structures and Devices. , 2021, , .		1
8	Ni-Silicide Schottky Barrier Micropyramidal Photodetector Array. , 2021, , .		0
9	Wideband 3D Frequency Selective Engineered Structures in the Terahertz Regime. , 2019, , .		0
10	Whispering gallery mode hybridization in photonic molecules. Laser and Photonics Reviews, 2017, 11, 1600278.	8.7	64
11	Spectral signatures of photonic molecules with hybridized whispering gallery modes. , 2017, , .		0
12	Increasing sensitivity and angle-of-view of mid-wave infrared detectors by integration with dielectric microspheres. Applied Physics Letters, 2016, 108, .	3.3	43
13	Reply to "Comment on "Super-resolution microscopy by movable thin-films with embedded microspheres: Resolution analysis" [Ann. Phys. (Berlin) 527, 513 (2015)]" Annalen Der Physik, 2016, 528, 901-904.	2.4	24
14	Label-free nanoscopy with contact microlenses: Super-resolution mechanisms and limitations. , 2016, , .		2
15	Deep-UV microsphere-assisted ultramicroscopy. , 2015, , .		0
16	Super-resolution microscopy by movable thin-films with embedded microspheres: Resolution analysis. Annalen Der Physik, 2015, 527, 513-522.	2.4	110
17	Overcoming the diffraction limit of imaging nanoplasmonic arrays by microspheres and microfibers. Optics Express, 2015, 23, 24484.	3.4	91
18	Super-resolution by microspheres and fibers - Myth or reality?. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Photonic jets for strained-layer superlattice infrared photodetector enhancement. , 2014, , .		12
20	Super-resolution imaging by arrays of high-index spheres embedded in transparent matrices. , 2014, , .		22
21	Microsphere-chain waveguides: Focusing and transport properties. Applied Physics Letters, 2014, 105, .	3.3	45
22	Spectral finger-prints of photonic molecules. , 2014, , .		6
23	Formation of polarized beams in chains of dielectric spheres and cylinders. Optics Letters, 2013, 38, 4208.	3.3	28
24	Focusing Microprobes Based on Integrated Chains of Microspheres. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 793-797.	0.4	8
25	Optical nanoscopy with contact microlenses overcomes the diffraction limit. SPIE Newsroom, 0, , .	0.1	19