

Kevin M Mcpeak

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,676
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Films Can Easily Be Better: Rules and Recipes. <i>ACS Photonics</i> , 2015, 2, 326-333.	6.6	818
2	Chemical Bath Deposition of ZnO Nanowires at Near-Neutral pH Conditions without Hexamethylenetetramine (HMTA): Understanding the Role of HMTA in ZnO Nanowire Growth. <i>Langmuir</i> , 2011, 27, 3672-3677.	3.5	123
3	Wedge Waveguides and Resonators for Quantum Plasmonics. <i>Nano Letters</i> , 2015, 15, 6267-6275.	9.1	107
4	Optical Chirality Flux as a Useful Far-Field Probe of Chiral Near Fields. <i>ACS Photonics</i> , 2016, 3, 1619-1625.	6.6	89
5	Direct Patterning of Colloidal Quantum-Dot Thin Films for Enhanced and Spectrally Selective Out-Coupling of Emission. <i>Nano Letters</i> , 2017, 17, 1319-1325.	9.1	68
6	Ultraviolet Plasmonic Chirality from Colloidal Aluminum Nanoparticles Exhibiting Charge-Selective Protein Detection. <i>Advanced Materials</i> , 2015, 27, 6244-6250.	21.0	63
7	ZnO Nanowires Grown by Chemical Bath Deposition in a Continuous Flow Microreactor. <i>Crystal Growth and Design</i> , 2009, 9, 4538-4545.	3.0	62
8	<i>In Situ</i> X-ray Absorption Near-Edge Structure Spectroscopy of ZnO Nanowire Growth During Chemical Bath Deposition. <i>Chemistry of Materials</i> , 2010, 22, 6162-6170.	6.7	57
9	Complex Chiral Colloids and Surfaces via High-Index Off-Cut Silicon. <i>Nano Letters</i> , 2014, 14, 2934-2940.	9.1	53
10	A customizable class of colloidal-quantum-dot metallic lasers and amplifiers. <i>Science Advances</i> , 2017, 3, e1700688.	10.3	50
11	Low-temperature enhancement of plasmonic performance in silver films. <i>Optical Materials Express</i> , 2015, 5, 1147.	3.0	35
12	Microreactor for High-Yield Chemical Bath Deposition of Semiconductor Nanowires: ZnO Nanowire Case Study. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5954-5961.	3.7	33
13	Fabrication of Smooth Patterned Structures of Refractory Metals, Semiconductors, and Oxides via Template Stripping. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9701-9708.	8.0	27
14	Room-Temperature Strong Coupling of CdSe Nanoplatelets and Plasmonic Hole Arrays. <i>Nano Letters</i> , 2019, 19, 108-115.	9.1	23
15	Microreactor Chemical Bath Deposition of Laterally Graded Cd _x Zn _{1-x} S Thin Films: A Route to High-Throughput Optimization for Photovoltaic Buffer Layers. <i>Chemistry of Materials</i> , 2013, 25, 297-306.	6.7	22
16	Correlation of circular differential optical absorption with geometric chirality in plasmonic meta-atoms. <i>Optics Express</i> , 2019, 27, 5097.	3.4	13
17	A Noble-Transition Alloy Excels at Hot-Carrier Generation in the Near Infrared. <i>Advanced Materials</i> , 2020, 32, e1906478.	21.0	11
18	Role of Geometric Shape in Chiral Optics. <i>Symmetry</i> , 2020, 12, 158.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Critical Coupling of Visible Light Extends Hot-Electron Lifetimes for H ₂ O ₂ Synthesis. ACS Applied Materials & Interfaces, 2020, 12, 22778-22788.	8.0	6
20	Printed Electrode for Measuring Phosphate in Environmental Water. ACS Omega, 2021, 6, 11297-11306.	3.5	5
21	Synthesis of luminescent core/shell In-Zn ₃ P ₂ /ZnS quantum dots. Nanoscale, 2020, 12, 20952-20964.	5.6	2
22	Effect of annealing on the electronic structure of AuPd _{1-x} thin films on silicon: Diffusion of Si and silicide formation. Applied Surface Science, 2021, 537, 147810.	6.1	1
23	Better colloidal lithography: Tilt-rotate evaporation overcomes the limits of plasma etching. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 043210.	2.1	1