

Joanna M Atkin

List of Publications by Year in descending order

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34
papers

1,696
citations

430442

18
h-index

414034

32
g-index

34
all docs

34
docs citations

34
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Tin-Titanium Oxides by Atomic Layer Deposition on Planar Substrates: Physical and Electronic Structure. <i>Applied Surface Science</i> , 2022, 573, 151564.	3.1	2
2	Per- and polyfluoroalkyl substances (PFASs) in airborne particulate matter (PM2.0) emitted during floor waxing: A pilot study. <i>Atmospheric Environment</i> , 2022, 268, 118845.	1.9	8
3	Quantitative Local Conductivity Imaging of Semiconductors Using Near-Field Optical Microscopy. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4515-4521.	1.5	2
4	Quantitative modeling of near-field interactions incorporating polaritonic and electrostatic effects. <i>Optics Express</i> , 2022, 30, 11619.	1.7	2
5	Morphology and Viscosity Changes after Reactive Uptake of Isoprene Epoxydiols in Submicrometer Phase Separated Particles with Secondary Organic Aerosol Formed from Different Volatile Organic Compounds. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 871-882.	1.2	11
6	Electrostatic tip effects in scanning probe microscopy of nanostructures. <i>Nanotechnology</i> , 2021, 32, 195710.	1.3	6
7	Water's Variable Role in Protein Stability Uncovered by Liquid-Observed Vapor Exchange NMR. <i>Biochemistry</i> , 2021, 60, 3041-3045.	1.2	11
8	Fabrication of a Biocompatible Mica/Gold Surface for Tip-Enhanced Raman Spectroscopy. <i>ChemPhysChem</i> , 2020, 21, 188-193.	1.0	3
9	Quantitative Effects of Disorder on Chemically Modified Amorphous Carbon Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 8038-8047.	2.5	8
10	Microscopic origin of inhomogeneous transport in four-terminal tellurene devices. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	0
11	Micro-Raman imaging of isomeric segregation in small-molecule organic semiconductors. <i>Communications Chemistry</i> , 2019, 2, .	2.0	15
12	Dynamics of Residential Water-Soluble Organic Gases: Insights into Sources and Sinks. <i>Environmental Science & Technology</i> , 2019, 53, 1812-1821.	4.6	38
13	Competition between Exceptionally Long-Range Alkyl Sidechain Ordering and Backbone Ordering in Semiconducting Polymers and Its Impact on Electronic and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2019, 29, 1806977.	7.8	31
14	Interplay of Surface Recombination and Diode Geometry for the Performance of Axial Nanowire Solar Cells. <i>ACS Nano</i> , 2018, 12, 10554-10563.	7.3	15
15	Competition between exceptionally long-range alkyl sidechain ordering and backbone ordering in semiconducting polymers and its impact on electronic and optoelectronic properties. <i>Advanced Functional Materials</i> , 2018, 29, .	7.8	0
16	Graphene: Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy (<i>Adv. Mater.</i> 7/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
17	Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy. <i>Advanced Materials</i> , 2017, 29, 1603601.	11.1	37
18	Mapping Free-Carriers in Multijunction Silicon Nanowires Using Infrared Near-Field Optical Microscopy. <i>Nano Letters</i> , 2017, 17, 6591-6597.	4.5	29

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19	Ultrafast Nanoimaging of the Photoinduced Phase Transition Dynamics in VO ₂ . Nano Letters, 2016, 16, 3029-3035.	4.5	84
20	Morphological, Optical, and Electronic Consequences of Coexisting Crystal Orientations in $\hat{\Gamma}^2$ -Copper Phthalocyanine Thin Films. Journal of Physical Chemistry C, 2016, 120, 18616-18621.	1.5	15
21	Plasmonic nanofocused four-wave mixing for femtosecond near-field imaging. Nature Nanotechnology, 2016, 11, 459-464.	15.6	180
22	Variable-Temperature Tip-Enhanced Raman Spectroscopy of Single-Molecule Fluctuations and Dynamics. Nano Letters, 2016, 16, 479-487.	4.5	73
23	Nanoscale Probing of Dynamics in Local Molecular Environments. Journal of Physical Chemistry Letters, 2015, 6, 4616-4621.	2.1	22
24	Quantum Confined Electron-Phonon Interaction in Silicon Nanocrystals. Nano Letters, 2015, 15, 1511-1516.	4.5	50
25	Inhomogeneity of the ultrafast insulator-to-metal transition dynamics of VO ₂ . Nature Communications, 2015, 6, 6849.	5.8	134
26	Control of Plasmon Emission and Dynamics at the Transition from Classical to Quantum Coupling. Nano Letters, 2014, 14, 5270-5275.	4.5	78
27	Tip-enhanced Raman spectroscopy – an interlaboratory reproducibility and comparison study. Journal of Raman Spectroscopy, 2014, 45, 22-31.	1.2	94
28	Optical spectroscopy goes intramolecular. Nature, 2013, 498, 44-45.	13.7	25
29	Group delay and dispersion in adiabatic plasmonic nanofocusing. Optics Letters, 2013, 38, 1322.	1.7	73
30	Nano-optical imaging and spectroscopy of order, phases, and domains in complex solids. Advances in Physics, 2012, 61, 745-842.	35.9	196
31	Light on the Tip of a Needle: Plasmonic Nanofocusing for Spectroscopy on the Nanoscale. Journal of Physical Chemistry Letters, 2012, 3, 945-952.	2.1	159
32	Probing the Interface Barriers of Dopant-Segregated Silicide-Si Diodes With Internal Photoemission. IEEE Transactions on Electron Devices, 2012, 59, 2027-2032.	1.6	6
33	Femtosecond Nanofocusing with Full Optical Waveform Control. Nano Letters, 2011, 11, 4309-4313.	4.5	134
34	Adiabatic Tip-Plasmon Focusing for Nano-Raman Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 3427-3432.	2.1	154