

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
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34
all docs

34
docs citations

34
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-optical imaging and spectroscopy of order, phases, and domains in complex solids. <i>Advances in Physics</i> , 2012, 61, 745-842.	35.9	196
2	Plasmonic nanofocused four-wave mixing for femtosecond near-field imaging. <i>Nature Nanotechnology</i> , 2016, 11, 459-464.	15.6	180
3	Light on the Tip of a Needle: Plasmonic Nanofocusing for Spectroscopy on the Nanoscale. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 945-952.	2.1	159
4	Adiabatic Tip-Plasmon Focusing for Nano-Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3427-3432.	2.1	154
5	Femtosecond Nanofocusing with Full Optical Waveform Control. <i>Nano Letters</i> , 2011, 11, 4309-4313.	4.5	134
6	Inhomogeneity of the ultrafast insulator-to-metal transition dynamics of VO ₂ . <i>Nature Communications</i> , 2015, 6, 6849.	5.8	134
7	Tip-enhanced Raman spectroscopy – an interlaboratory reproducibility and comparison study. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 22-31.	1.2	94
8	Ultrafast Nanoimaging of the Photoinduced Phase Transition Dynamics in VO ₂ . <i>Nano Letters</i> , 2016, 16, 3029-3035.	4.5	84
9	Control of Plasmon Emission and Dynamics at the Transition from Classical to Quantum Coupling. <i>Nano Letters</i> , 2014, 14, 5270-5275.	4.5	78
10	Group delay and dispersion in adiabatic plasmonic nanofocusing. <i>Optics Letters</i> , 2013, 38, 1322.	1.7	73
11	Variable-Temperature Tip-Enhanced Raman Spectroscopy of Single-Molecule Fluctuations and Dynamics. <i>Nano Letters</i> , 2016, 16, 479-487.	4.5	73
12	Quantum Confined Electron-Phonon Interaction in Silicon Nanocrystals. <i>Nano Letters</i> , 2015, 15, 1511-1516.	4.5	50
13	Dynamics of Residential Water-Soluble Organic Gases: Insights into Sources and Sinks. <i>Environmental Science & Technology</i> , 2019, 53, 1812-1821.	4.6	38
14	Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy. <i>Advanced Materials</i> , 2017, 29, 1603601.	11.1	37
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> , 2019, 29, 1806977.	7.8	31
16	Mapping Free-Carriers in Multijunction Silicon Nanowires Using Infrared Near-Field Optical Microscopy. <i>Nano Letters</i> , 2017, 17, 6591-6597.	4.5	29
17	Optical spectroscopy goes intramolecular. <i>Nature</i> , 2013, 498, 44-45.	13.7	25
18	Nanoscale Probing of Dynamics in Local Molecular Environments. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4616-4621.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Morphological, Optical, and Electronic Consequences of Coexisting Crystal Orientations in I^2 -Copper Phthalocyanine Thin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18616-18621.	1.5	15
20	Interplay of Surface Recombination and Diode Geometry for the Performance of Axial p^{n} Nanowire Solar Cells. <i>ACS Nano</i> , 2018, 12, 10554-10563.	7.3	15
21	Micro-Raman imaging of isomeric segregation in small-molecule organic semiconductors. <i>Communications Chemistry</i> , 2019, 2, .	2.0	15
22	Water's Variable Role in Protein Stability Uncovered by Liquid-Observed Vapor Exchange NMR. <i>Biochemistry</i> , 2021, 60, 3041-3045.	1.2	11
23	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
24	Quantitative Effects of Disorder on Chemically Modified Amorphous Carbon Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 8038-8047.	2.5	8
25	Per- and polyfluoroalkyl substances (PFASs) in airborne particulate matter (PM _{2.0}) emitted during floor waxing: A pilot study. <i>Atmospheric Environment</i> , 2022, 268, 118845.	1.9	8
26	Probing the Interface Barriers of Dopant-Segregated Silicide Si Diodes With Internal Photoemission. <i>IEEE Transactions on Electron Devices</i> , 2012, 59, 2027-2032.	1.6	6
27	Electrostatic tip effects in scanning probe microscopy of nanostructures. <i>Nanotechnology</i> , 2021, 32, 195710.	1.3	6
28	Fabrication of a Biocompatible Mica/Gold Surface for Tip-Enhanced Raman Spectroscopy. <i>ChemPhysChem</i> , 2020, 21, 188-193.	1.0	3
29	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
30	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
31	Quantitative modeling of near-field interactions incorporating polaritonic and electrostatic effects. <i>Optics Express</i> , 2022, 30, 11619.	1.7	2
32	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
33	Microscopic origin of inhomogeneous transport in four-terminal tellurene devices. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	0
34	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