

Adam Fahy

List of Publications by Year in descending order

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34
papers

596
citations

567281

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34
docs citations

34
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex optical elements for scanning helium microscopy through 3D printing. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 095305.	2.8	3
2	Standardizing resolution definition in scanning helium microscopy. <i>Ultramicroscopy</i> , 2022, 233, 113453.	1.9	2
3	Low-Temperature CVD-Grown Graphene Thin Films as Transparent Electrode for Organic Photovoltaics. <i>Coatings</i> , 2022, 12, 681.	2.6	5
4	Nanomorphology of eco-friendly colloidal inks, relating non-fullerene acceptor surface energy to structure formation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2218-2233.	5.9	15
5	Temperature-Modulated Doping at Polymer Semiconductor Interfaces. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1384-1393.	4.3	0
6	Polymer Photodetectors for Printable, Flexible, and Fully Tissue Equivalent X-ray Detection with Zero-Bias Operation and Ultrafast Temporal Responses. <i>Advanced Materials Technologies</i> , 2021, 6, 2001298.	5.8	15
7	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. <i>Journal of Cleaner Production</i> , 2021, 319, 128694.	9.3	20
8	Fast neutral atom microscopy: An optimisation framework for stagnation detectors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107263.	5.0	7
9	Unravelling donor-acceptor film morphology formation for environmentally-friendly OPV ink formulations. <i>Green Chemistry</i> , 2019, 21, 5090-5103.	9.0	31
10	The role of surface energy control in organic photovoltaics based on solar paints. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9202-9214.	10.3	16
11	Tunable solution-processable anodic exfoliated graphene. <i>Applied Materials Today</i> , 2019, 15, 290-296.	4.3	18
12	Taxonomy through the lens of neutral helium microscopy. <i>Scientific Reports</i> , 2019, 9, 2148.	3.3	10
13	Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10074-10088.	8.0	22
14	Roll-to-roll solvent annealing of printed P3HT-IC _X A devices. <i>RSC Advances</i> , 2019, 9, 42294-42305.	3.6	5
15	Optimization, characterization and upscaling of aqueous solar nanoparticle inks for organic photovoltaics using low-cost donor:acceptor blend. <i>Organic Electronics</i> , 2018, 52, 71-78.	2.6	9
16	Image formation in the scanning helium microscope. <i>Ultramicroscopy</i> , 2018, 192, 7-13.	1.9	11
17	Environmentally friendly preparation of nanoparticles for organic photovoltaics. <i>Organic Electronics</i> , 2018, 59, 432-440.	2.6	28
18	Engineering Two-Phase and Three-Phase Microstructures from Water-Based Dispersions of Nanoparticles for Eco-Friendly Polymer Solar Cell Applications. <i>Chemistry of Materials</i> , 2018, 30, 6521-6531.	6.7	25

#	ARTICLE	IF	CITATIONS
19	The short-term reduction of uranium by nanoscale zero-valent iron (nZVI); role of oxide shell, reduction mechanism and the formation of U(ν)-carbonate phases. <i>Environmental Science: Nano</i> , 2017, 4, 1304-1313.	4.3	47
20	Comparison of inorganic electron transport layers in fully roll-to-roll coated/printed organic photovoltaics in normal geometry. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15986-15996.	10.3	23
21	A simple counter-flow cooling system for a supersonic free-jet beam source assembly. <i>Review of Scientific Instruments</i> , 2016, 87, 053301.	1.3	2
22	Reduced Uranium Phases Produced from Anaerobic Reaction with Nanoscale Zerovalent Iron. <i>Environmental Science & Technology</i> , 2016, 50, 2595-2601.	10.0	43
23	Nano-pathways: Bridging the divide between water-processable nanoparticulate and bulk heterojunction organic photovoltaics. <i>Nano Energy</i> , 2016, 19, 495-510.	16.0	75
24	Unlocking new contrast in a scanning helium microscope. <i>Nature Communications</i> , 2016, 7, 10189.	12.8	43
25	Manipulating the orientation of an organic adsorbate on silicon: a NEXAFS study of acetophenone on Si(100). <i>Journal of Physics Condensed Matter</i> , 2015, 27, 054002.	1.8	10
26	A highly contrasting scanning helium microscope. <i>Review of Scientific Instruments</i> , 2015, 86, 023704.	1.3	28
27	A design for a pinhole scanning helium microscope. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 340, 76-80.	1.4	27
28	Development of a permanent magnet alternative for a solenoidal ion source. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 340, 85-89.	1.4	7
29	A desktop supersonic free-jet beam source for a scanning helium microscope (SHeM). <i>Measurement Science and Technology</i> , 2012, 23, 105901.	2.6	13
30	Field emission from single-, double-, and multi-walled carbon nanotubes chemically attached to silicon. <i>Journal of Applied Physics</i> , 2012, 111, 044326.	2.5	8
31	Improved field emission stability from single-walled carbon nanotubes chemically attached to silicon. <i>Nanoscale Research Letters</i> , 2012, 7, 432.	5.7	11
32	Field ionization detection of helium using a planar array of carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	3.2	10
33	Field ionization detectors: a comparative model. <i>Measurement Science and Technology</i> , 2011, 22, 015901.	2.6	3
34	Development of an improved field ionization detector incorporating a secondary electron stage. <i>Measurement Science and Technology</i> , 2011, 22, 115902.	2.6	4