

Andrew C Hillier

List of Publications by Year in descending order

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papers

331
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840776

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23
times ranked

461
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmon Resonance Enhanced Transmission of Light through Gold-Coated Diffraction Gratings. <i>Analytical Chemistry</i> , 2008, 80, 3803-3810.	6.5	58
2	Wavelength Tunable Surface Plasmon Resonance-Enhanced Optical Transmission Through a Chirped Diffraction Grating. <i>Analytical Chemistry</i> , 2010, 82, 4988-4993.	6.5	44
3	Diffraction-Based Tracking of Surface Plasmon Resonance Enhanced Transmission Through a Gold-Coated Grating. <i>Analytical Chemistry</i> , 2011, 83, 6047-6053.	6.5	32
4	Solution-Processed Bismuth Halide Perovskite Thin Films: Influence of Deposition Conditions and A-Site Alloying on Morphology and Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3134-3139.	4.6	23
5	Use of Dispersion Imaging for Grating-Coupled Surface Plasmon Resonance Sensing of Multilayer Langmuir-Blodgett Films. <i>Analytical Chemistry</i> , 2013, 85, 4080-4086.	6.5	20
6	Creating metamaterial building blocks with directed photochemical metallization of silver onto DNA origami templates. <i>Nanotechnology</i> , 2018, 29, 355603.	2.6	19
7	Salt Mediated Self-Assembly of Poly(ethylene glycol)-Functionalized Gold Nanorods. <i>Scientific Reports</i> , 2019, 9, 20349.	3.3	19
8	Organic Materials and Organic/Inorganic Heterostructures in Atom Probe Tomography. <i>Microscopy Today</i> , 2012, 20, 26-31.	0.3	18
9	Angle-Tunable Enhanced Infrared Reflection Absorption Spectroscopy via Grating-Coupled Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2014, 86, 2610-2617.	6.5	16
10	Multipitched Diffraction Gratings for Surface Plasmon Resonance-Enhanced Infrared Reflection Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 10862-10870.	6.5	15
11	Interfacial and Bulk Assembly of Anisotropic Gold Nanostructures: Implications for Photonics and Plasmonics. <i>ACS Applied Nano Materials</i> , 2020, 3, 8216-8223.	5.0	15
12	Experimental analysis of waveguide-coupled surface-plasmon-polariton cone properties. <i>Analytica Chimica Acta</i> , 2019, 1048, 123-131.	5.4	9
13	Single-Walled Carbon Nanotube Probes for the Characterization of Biofilm-Degrading Enzymes Demonstrated against <i>Pseudomonas aeruginosa</i> Extracellular Matrices. <i>Analytical Chemistry</i> , 2022, 94, 856-865.	6.5	9
14	Imaging of Unstained DNA Origami Triangles with Electron Microscopy. <i>Small Methods</i> , 2019, 3, 1900393.	8.6	7
15	Massive Enhancement of Optical Transmission across a Thin Metal Film via Wave Vector Matching in Grating-Coupled Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2019, 91, 8350-8357.	6.5	6
16	A phase-change thin film-tuned photonic crystal device. <i>Nanotechnology</i> , 2019, 30, 045203.	2.6	5
17	Shape- and Orientation-Dependent Scattering of Isolated Gold Nanostructures Using Polarized Dark-Field Microscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11478-11488.	3.1	5
18	Creating Two-Dimensional Quasicrystal, Supercell, and Moiré Lattices with Laser Interference Lithography: Implications for Photonic Bandgap Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 8851-8862.	5.0	4

#	ARTICLE	IF	CITATIONS
19	Templating Colloidal Crystal Growth Using Chirped Surface Relief Gratings. Langmuir, 2018, 34, 8828-8838.	3.5	3
20	Robustness of Optical Response for Self-Assembled Plasmonic Metamaterials with Morphological Disorder and Surface Roughness. Advanced Optical Materials, 2020, 8, 1901794.	7.3	3
21	Unstained DNA Origami Imaging: Imaging of Unstained DNA Origami Triangles with Electron Microscopy (Small Methods 12/2019). Small Methods, 2019, 3, 1970039.	8.6	1
22	In-situ STEM Metallization of DNA Origami. Microscopy and Microanalysis, 2021, 27, 35-36.	0.4	0