

Arthur A McClelland

List of Publications by Year in descending order

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papers

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952
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Orientation of Asphaltenes and PAH Model Compounds in Langmuir-Blodgett Films Using Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2011, 27, 6049-6058.	3.5	116
2	Solventless Adhesive Bonding Using Reactive Polymer Coatings. <i>Analytical Chemistry</i> , 2008, 80, 4119-4124.	6.5	87
3	Intracellular Delivery Using Nanosecond-Laser Excitation of Large-Area Plasmonic Substrates. <i>ACS Nano</i> , 2017, 11, 3671-3680.	14.6	63
4	Detection of Tethered Biocide Moiety Segregation to Silicone Surface Using Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2008, 24, 9686-9694.	3.5	44
5	Balancing Light Absorption and Charge Transport in Vertical SnS ₂ Nanoflake Photoanodes with Stepped Layers and Large Intrinsic Mobility. <i>Advanced Energy Materials</i> , 2019, 9, 1901236.	19.5	41
6	Reactivity of a stable copper-dioxygen complex. <i>Chemical Communications</i> , 2017, 53, 10306-10309.	4.1	33
7	Facet-Selective Epitaxy of Compound Semiconductors on Faceted Silicon Nanowires. <i>Nano Letters</i> , 2015, 15, 4776-4782.	9.1	27
8	Peering at a Buried Polymer-Crystal Interface: Probing Heterogeneous Nucleation by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2011, 27, 2162-2165.	3.5	20
9	Role of a native oxide on femtosecond laser interaction with silicon (100) near the damage threshold. <i>Applied Physics Letters</i> , 2005, 86, 264103.	3.3	15
10	Ultrafast Time-Evolution of the Nonlinear Susceptibility of Hot Carriers at the Ge(111)-GeO ₂ Interface As Probed by SHG. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3789-3793.	2.6	12
11	Raman spectroscopy reveals high phloem sugar content in leaves of canopy red oak trees. <i>New Phytologist</i> , 2021, 232, 418-424.	7.3	11
12	Establishment of perpendicular protrusion of type I collagen on TiO ₂ nanotube surface as a priming site of peri-implant connective fibers. <i>Journal of Nanobiotechnology</i> , 2019, 17, 34.	9.1	10
13	Specular Reflection FTIR: A Non-Contact Method for Analyzing Coatings on Photographs and Other Cultural Materials. <i>Journal of the American Institute for Conservation</i> , 2020, 59, 123-136.	0.5	9
14	The Coupled Straintronic-Photothermic Effect. <i>Scientific Reports</i> , 2018, 8, 64.	3.3	8
15	A native chemical chaperone in the human eye lens. <i>ELife</i> , 0, 11, .	6.0	8
16	Controlling the Roughness of Langmuir-Blodgett Monolayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5078-5085.	2.6	7
17	Deducing 2D Crystal Structure at the Liquid/Solid Interface with Atomic Resolution: A Combined STM and SFG Study. <i>Langmuir</i> , 2009, 25, 12847-12850.	3.5	6
18	Preliminary Investigations into the Alteration of Cadmium Orange Restoration Paint on an Ancient Greek Terracotta Krater. <i>Heritage</i> , 2021, 4, 1497-1510.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Ultrafast Hot-Carrier Dynamics at Chemically Modified Ge Interfaces Probed by SHG. Journal of Physical Chemistry B, 2006, 110, 19784-19787.	2.6	4
20	Direct Observations of Low Frequency Vibrational Coherences in wt-GFP. , 2010, , .		0
21	Orientation of PAH molecules in Langmuir-Blodgett films using SFG spectroscopy. , 2010, , .		0
22	Vibrational Coherence Spectroscopy Investigation of Cytochrome c Unfolding. , 2010, , .		0