Alan S Lea

List of Publications by Year
in descending order

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18 papers	1,046 citations	623734 14 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	1468 citing authors

#	Article	IF	Citations
1	In situ imaging of amorphous intermediates during brucite carbonation in supercritical CO2. Nature Materials, 2022, 21, 345-351.	27.5	18
2	Further insights into the Fe(<scp>ii</scp>) reduction of 2-line ferrihydrite: a semi in situ and in situ TEM study. Nanoscale Advances, 2020, 2, 4938-4950.	4.6	5
3	In Liquid Infrared Scattering Scanning Near-Field Optical Microscopy for Chemical and Biological Nanoimaging. Nano Letters, 2020, 20, 4497-4504.	9.1	31
4	Ultrasensitive Tip- and Antenna-Enhanced Infrared Nanoscopy of Protein Complexes. Journal of Physical Chemistry C, 2019, 123, 17505-17509.	3.1	20
5	The effect of ion irradiation on the dissolution of UO2 and UO2-based simulant fuel. Journal of Alloys and Compounds, 2018, 735, 1350-1356.	5.5	12
6	Imaging Nanoscale Heterogeneity in Ultrathin Biomimetic and Biological Crystals. Journal of Physical Chemistry C, 2018, 122, 24891-24895.	3.1	10
7	Infrared near-field spectroscopy of trace explosives using an external cavity quantum cascade laser. Optics Express, 2013, 21, 30401.	3.4	30
8	Nanospecific Inhibition of Pyoverdine Siderophore Production in Pseudomonas chlororaphis O6 by CuO Nanoparticles. Chemical Research in Toxicology, 2012, 25, 1066-1074.	3.3	50
9	Role of extracellular polymeric substances in bioflocculation of activated sludge microorganisms under glucose-controlled conditions. Water Research, 2010, 44, 4505-4516.	11.3	396
10	New Approaches for Characterizing Sensor and Other Modern Complex Materials. ECS Transactions, 2009, 19, 137-148.	0.5	0
11	Molecular Depth Profiling of Sucrose Films: A Comparative Study of C60n+ Ions and Traditional Cs+ and O2+ Ions. Analytical Chemistry, 2009, 81, 8272-8279.	6.5	19
12	The use of Auger spectroscopy for the in situ elemental characterization of subâ€micrometer presolar grains. Meteoritics and Planetary Science, 2009, 44, 1033-1049.	1.6	35
13	Spectroscopic Characterization of Extracellular Polymeric Substances from Escherichia coli and Serratia marcescens: Suppression Using Sub-Inhibitory Concentrations of Bismuth Thiols. Biomacromolecules, 2008, 9, 3079-3089.	5.4	113
14	Substrate Changes Associated with the Chemistry of Self-Assembled Monolayers on Silicon. Langmuir, 2006, 22, 5617-5624.	3.5	19
15	Identification of isotopically primitive interplanetary dust particles: A NanoSIMS isotopic imaging study. Geochimica Et Cosmochimica Acta, 2006, 70, 2371-2399.	3.9	186
16	Unusual aggregates from the oxidation of alkene self-assembled monolayers: a previously unrecognized mechanism for SAM ozonolysis?. Physical Chemistry Chemical Physics, 2005, 7, 3605.	2.8	42
17	Investigation of Copper(I) Oxide Quantum Dots by Near-Edge X-ray Absorption Fine Structure Spectroscopy. Chemistry of Materials, 2003, 15, 3939-3946.	6.7	21
18	Evidence for Localization of Reaction upon Reduction of Carbon Tetrachloride by Granular Iron. Langmuir, 2002, 18, 7688-7693.	3.5	39