

Armando D Estillore

List of Publications by Year in descending order

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26
papers

838
citations

471061

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580395

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27
all docs

27
docs citations

27
times ranked

1360
citing authors

#	ARTICLE	IF	CITATIONS
1	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCr, 2022, 9, 204-214.	1.0	9
2	On the use of multilayer Laue lenses with X-ray free electron lasers. , 2021, , .		0
3	3D diffractive imaging of nanoparticle ensembles using an x-ray laser. Optica, 2021, 8, 15.	4.8	48
4	Charge-State Distribution of Aerosolized Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 25794-25798.	1.5	2
5	Optimizing the geometry of aerodynamic lens injectors for single-particle coherent diffractive imaging of gold nanoparticles. Journal of Applied Crystallography, 2021, 54, 1730-1737.	1.9	3
6	Controlled beams of shock-frozen, isolated, biological and artificial nanoparticles. Structural Dynamics, 2020, 7, 024304.	0.9	5
7	Evaluation of serial crystallographic structure determination within megahertz pulse trains. Structural Dynamics, 2019, 6, 064702.	0.9	26
8	Lab on a tip: atomic force microscopy " photothermal infrared spectroscopy of atmospherically relevant organic/inorganic aerosol particles in the nanometer to micrometer size range. Analyst, The, 2018, 143, 2765-2774.	1.7	25
9	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. Chem, 2017, 2, 655-667.	5.8	111
10	Direct Surface Tension Measurements of Individual Sub-Micrometer Particles Using Atomic Force Microscopy. Journal of Physical Chemistry A, 2017, 121, 8296-8305.	1.1	42
11	Linking hygroscopicity and the surface microstructure of model inorganic salts, simple and complex carbohydrates, and authentic sea spray aerosol particles. Physical Chemistry Chemical Physics, 2017, 19, 21101-21111.	1.3	65
12	Atmospheric chemistry of bioaerosols: heterogeneous and multiphase reactions with atmospheric oxidants and other trace gases. Chemical Science, 2016, 7, 6604-6616.	3.7	109
13	Heterogeneous Chemistry of Lipopolysaccharides with Gas-Phase Nitric Acid: Reactive Sites and Reaction Pathways. Journal of Physical Chemistry A, 2016, 120, 6444-6450.	1.1	22
14	Water Uptake and Hygroscopic Growth of Organosulfate Aerosol. Environmental Science & Technology, 2016, 50, 4259-4268.	4.6	54
15	Optical and Physicochemical Properties of Brown Carbon Aerosol: Light Scattering, FTIR Extinction Spectroscopy, and Hygroscopic Growth. Journal of Physical Chemistry A, 2016, 120, 4155-4166.	1.1	42
16	Quantifying the Hygroscopic Growth of Individual Submicrometer Particles with Atomic Force Microscopy. Analytical Chemistry, 2016, 88, 3647-3654.	3.2	50
17	Impacts of co-firing biomass on emissions of particulate matter to the atmosphere. Fuel, 2015, 162, 111-120.	3.4	54
18	Substrate-Deposited Sea Spray Aerosol Particles: Influence of Analytical Method, Substrate, and Storage Conditions on Particle Size, Phase, and Morphology. Environmental Science & Technology, 2015, 49, 13447-13453.	4.6	35

#	ARTICLE	IF	CITATIONS
19	Dynamics of Chlorine Atom Reactions with Hydrocarbons: Insights from Imaging the Radical Product in Crossed Beams. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9281-9295.	1.1	27
20	Reaction dynamics of Cl + butanol isomers by crossed-beam sliced ion imaging. <i>Faraday Discussions</i> , 2012, 157, 181.	1.6	6
21	Dynamics of H and D abstraction in the reaction of Cl atom with butane-1,1,1,4,4,4-d6. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8433.	1.3	9
22	Crossed-beam dc slice imaging of chlorine atom reactions with pentane isomers. <i>Journal of Chemical Physics</i> , 2010, 132, 164313.	1.2	21
23	Imaging the dynamics of chlorine atom reactions with alkenes. <i>Journal of Chemical Physics</i> , 2010, 133, 074306.	1.2	24
24	Crossed-Beam Imaging of the H Abstraction Channel in the Reaction of CN with 1-Pentene. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2417-2421.	2.1	17
25	Dynamics of CN+alkane reactions by crossed-beam dc slice imaging. <i>Journal of Chemical Physics</i> , 2008, 129, 074301.	1.2	26
26	State-selected imaging of HCCO radical photodissociation dynamics. <i>Journal of Chemical Physics</i> , 2008, 128, 134301.	1.2	6