Armando D Estillore

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9061680/publications.pdf

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26	838	471061 17	580395 25
papers	citations	h-index	g-index

27	27	27	1360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. CheM, 2017, 2, 655-667.	5.8	111
2	Atmospheric chemistry of bioaerosols: heterogeneous and multiphase reactions with atmospheric oxidants and other trace gases. Chemical Science, 2016, 7, 6604-6616.	3.7	109
3	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
4	Impacts of co-firing biomass on emissions of particulate matter to the atmosphere. Fuel, 2015, 162, 111-120.	3.4	54
5	Water Uptake and Hygroscopic Growth of Organosulfate Aerosol. Environmental Science & Technology, 2016, 50, 4259-4268.	4.6	54
6	Quantifying the Hygroscopic Growth of Individual Submicrometer Particles with Atomic Force Microscopy. Analytical Chemistry, 2016, 88, 3647-3654.	3.2	50
7	3D diffractive imaging of nanoparticle ensembles using an x-ray laser. Optica, 2021, 8, 15.	4.8	48
8	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
9	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
10	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
11	Dynamics of Chlorine Atom Reactions with Hydrocarbons: Insights from Imaging the Radical Product in Crossed Beams. Journal of Physical Chemistry A, 2014, 118, 9281-9295.	1.1	27
12	Dynamics of CN+alkane reactions by crossed-beam dc slice imaging. Journal of Chemical Physics, 2008, 129, 074301.	1.2	26
13	Evaluation of serial crystallographic structure determination within megahertz pulse trains. Structural Dynamics, 2019, 6, 064702.	0.9	26
14	Lab on a tip: atomic force microscopy â€“ 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
15	Imaging the dynamics of chlorine atom reactions with alkenes. Journal of Chemical Physics, 2010, 133, 074306.	1.2	24
16	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
17	Crossed-beam dc slice imaging of chlorine atom reactions with pentane isomers. Journal of Chemical Physics, 2010, 132, 164313.	1.2	21
18	Crossed-Beam Imaging of the H Abstraction Channel in the Reaction of CN with 1-Pentene. Journal of Physical Chemistry Letters, 2010, 1, 2417-2421.	2.1	17

#	Article	IF	Citations
19	Dynamics of H and D abstraction in the reaction of Cl atom with butane-1,1,1,4,4,4-d6. Physical Chemistry Chemical Physics, 2011, 13, 8433.	1.3	9
20	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCrJ, 2022, 9, 204-214.	1.0	9
21	State-selected imaging of HCCO radical photodissociation dynamics. Journal of Chemical Physics, 2008, 128, 134301.	1.2	6
22	Reaction dynamics of Cl + butanol isomers by crossed-beam sliced ion imaging. Faraday Discussions, 2012, 157, 181.	1.6	6
23	Controlled beams of shock-frozen, isolated, biological and artificial nanoparticles. Structural Dynamics, 2020, 7, 024304.	0.9	5
24	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
25	Charge-State Distribution of Aerosolized Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 25794-25798.	1.5	2
26	On the use of multilayer Laue lenses with X-ray free electron lasers. , 2021, , .		0