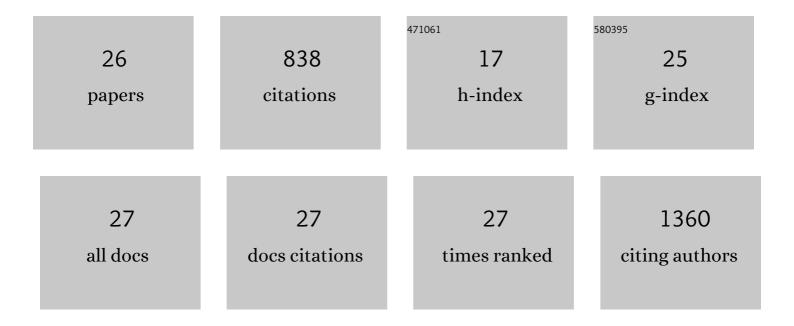
## Armando D Estillore

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCrJ, 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

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#	Article	IF	CITATIONS
19	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
20	Reaction dynamics of Cl + butanol isomers by crossed-beam sliced ion imaging. Faraday Discussions, 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. Physical Chemistry Chemical Physics, 2011, 13, 8433.	1.3	9
22	Crossed-beam dc slice imaging of chlorine atom reactions with pentane isomers. Journal of Chemical Physics, 2010, 132, 164313.	1.2	21
23	Imaging the dynamics of chlorine atom reactions with alkenes. Journal of Chemical Physics, 2010, 133, 074306.	1.2	24
24	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
25	Dynamics of CN+alkane reactions by crossed-beam dc slice imaging. Journal of Chemical Physics, 2008, 129, 074301.	1.2	26
26	State-selected imaging of HCCO radical photodissociation dynamics. Journal of Chemical Physics, 2008, 128, 134301.	1.2	6