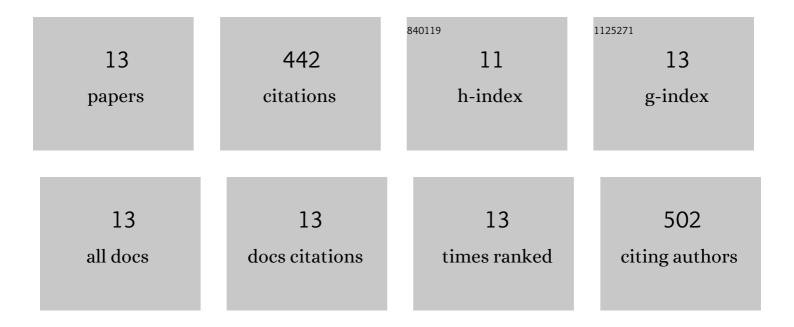
Ryan D Davis

List of Publications by Year in descending order

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RVAN D DAVIS

#	Article	lF	CITATIONS
1	Deliquescence and efflorescence of calcium perchlorate: An investigation of stable aqueous solutions relevant to Mars. Icarus, 2014, 243, 420-428.	1.1	86
2	Exploring Chemistry in Microcompartments Using Guided Droplet Collisions in a Branched Quadrupole Trap Coupled to a Single Droplet, Paper Spray Mass Spectrometer. Analytical Chemistry, 2017, 89, 12511-12519.	3.2	60
3	Evidence for a semisolid phase state of aerosols and droplets relevant to the airborne and surface survival of pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	47
4	Contact efflorescence as a pathway for crystallization of atmospherically relevant particles. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15815-15820.	3.3	45
5	Ion-molecule interactions enable unexpected phase transitions in organic-inorganic aerosol. Science Advances, 2020, 6, .	4.7	36
6	Studying Chemistry in Micro-compartments by Separating Droplet Generation from Ionization. Journal of the American Society for Mass Spectrometry, 2019, 30, 339-343.	1.2	34
7	Long Working-Distance Optical Trap for in Situ Analysis of Contact-Induced Phase Transformations. Analytical Chemistry, 2015, 87, 6186-6194.	3.2	33
8	Colliding-Droplet Microreactor: Rapid On-Demand Inertial Mixing and Metal-Catalyzed Aqueous Phase Oxidation Processes. Analytical Chemistry, 2017, 89, 12494-12501.	3.2	25
9	Dual-Balance Electrodynamic Trap as a Microanalytical Tool for Identifying Gel Transitions and Viscous Properties of Levitated Aerosol Particles. Analytical Chemistry, 2020, 92, 3086-3094.	3.2	22
10	Oxygen isotope fractionation in the vacuum ultraviolet photodissociation of carbon monoxide: Wavelength, pressure, and temperature dependency. Journal of Chemical Physics, 2012, 137, 024309.	1.2	16
11	Crystal nucleation initiated by transient ion-surface interactions at aerosol interfaces. Science Advances, 2017, 3, e1700425.	4.7	16
12	Seeded Crystal Growth of Internally Mixed Organic–Inorganic Aerosols: Impact of Organic Phase State. Journal of Physical Chemistry A, 2021, 125, 8668-8679.	1.1	12
13	Immersion and Contact Efflorescence Induced by Mineral Dust Particles. Journal of Physical Chemistry A, 2018, 122, 1303-1311.	1.1	10