

# Jakub KubeÄka

## List of Publications by Year in descending order

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20  
papers

464  
citations

759233

12  
h-index

752698

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Machine Learning Approach for Studying Atmospheric Cluster Formation. <i>Environmental Science and Technology Letters</i> , 2022, 9, 239-244.	8.7	18
2	A study on the fragmentation of sulfuric acid and dimethylamine clusters inside an atmospheric pressure interface time-of-flight mass spectrometer. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 11-19.	3.1	7
3	Determination of the collision rate coefficient between charged iodic acid clusters and iodic acid using the appearance time method. <i>Aerosol Science and Technology</i> , 2021, 55, 231-242.	3.1	18
4	Heterogeneous Nucleation of Butanol on NaCl: A Computational Study of Temperature, Humidity, Seed Charge, and Seed Size Effects. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3025-3036.	2.5	6
5	New Particle Formation from the Vapor Phase: From Barrier-Controlled Nucleation to the Collisional Limit. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4593-4599.	4.6	8
6	Highly oxygenated organic molecule cluster decomposition in atmospheric pressure interface time-of-flight mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3581-3593.	3.1	4
7	Comparing Reaction Routes for $\text{RO}_2$ Intermediates Formed in Peroxy Radical Self- and Cross-Reactions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 8305-8320.	2.5	24
8	Molecular Origin of the Sign Preference of Ion-Induced Heterogeneous Nucleation in a Complex Ionic Liquid-Diethylene Glycol System. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26944-26952.	3.1	8
9	Hydration of Atmospheric Molecular Clusters III: Procedure for Efficient Free Energy Surface Exploration of Large Hydrated Clusters. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5253-5261.	2.5	16
10	Impact of Quantum Chemistry Parameter Choices and Cluster Distribution Model Settings on Modeled Atmospheric Particle Formation Rates. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5931-5943.	2.5	34
11	Modeling the formation and growth of atmospheric molecular clusters: A review. <i>Journal of Aerosol Science</i> , 2020, 149, 105621.	3.8	98
12	Ionization energies in solution with the QM:QM approach. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10550-10560.	2.8	17
13	Identification of molecular cluster evaporation rates, cluster formation enthalpies and entropies by Monte Carlo method. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15867-15906.	4.9	7
14	Intersystem Crossings Drive Atmospheric Gas-Phase Dimer Formation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6596-6604.	2.5	35
15	Role of base strength, cluster structure and charge in sulfuric-acid-driven particle formation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9753-9768.	4.9	49
16	Computational Study of the Effect of Mineral Dust on Secondary Organic Aerosol Formation by Accretion Reactions of Closed-Shell Organic Compounds. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9008-9018.	2.5	4
17	Configurational Sampling of Noncovalent (Atmospheric) Molecular Clusters: Sulfuric Acid and Guanidine. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6022-6033.	2.5	54
18	Ion Mobility-Mass Spectrometry of Iodine Pentoxide-Iodic Acid Hybrid Cluster Anions in Dry and Humidified Atmospheres. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1935-1941.	4.6	26

#	ARTICLE	IF	CITATIONS
19	Mean squared displacement from fluorescence correlation spectroscopy. <i>Soft Matter</i> , 2016, 12, 3760-3769.	2.7	18
20	Photochemistry of Nitrophenol Molecules and Clusters: Intra- vs Intermolecular Hydrogen Bond Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4139-4146.	2.5	13