Huangteng

List of Publications by Year
in descending order

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Version: 2024-02-01

48 papers	852 citations	430874 18 h-index	526287 27 g-index
48 all docs	48 docs citations	48 times ranked	548 citing authors

#	Article	IF	Citations
1	Contributions of alanine and serine to sulfuric acid-based homogeneous nucleation. Atmospheric Environment, 2021, 246, 118139.	4.1	2
2	A high-accuracy machine-learning water model for exploring water nanocluster structures. Nanoscale, 2021, 13, 12212-12222.	5.6	1
3	Multicomponent nucleation of malonic acid involved in the sulfuric acid - dimethylamine system and its atmospheric implications. Atmospheric Environment, 2021, 267, 118558.	4.1	8
4	Valine involved sulfuric acid-dimethylamine ternary homogeneous nucleation and its atmospheric implications. Atmospheric Environment, 2021, 254, 118373.	4.1	4
5	The nucleation mechanism of succinic acid involved sulfuric acid - Dimethylamine in new particle formation. Atmospheric Environment, 2021, 263, 118683.	4.1	9
6	Volatile organic compounds enhancing sulfuric acid-based ternary homogeneous nucleation: The important role of synergistic effect. Atmospheric Environment, 2020, 233, 117609.	4.1	11
7	Formation of atmospheric molecular clusters of methanesulfonic acidâ€“Diethylamine complex and its atmospheric significance. Atmospheric Environment, 2020, 226, 117404.	4.1	16
8	Enhancement of Atmospheric Nucleation by Highly Oxygenated Organic Molecules: A Density Functional Theory Study. Journal of Physical Chemistry A, 2019, 123, 5367-5377.	2.5	10
9	Hydration of acetic acid-dimethylamine complex and its atmospheric implications. Atmospheric Environment, 2019, 219, 117005.	4.1	6
10	Formation of atmospheric molecular clusters consisting of methanesulfonic acid and sulfuric acid: Insights from flow tube experiments and cluster dynamics simulations. Atmospheric Environment, 2019, 199, 380-390.	4.1	12
11	Can formaldehyde contribute to atmospheric new particle formation from sulfuric acid and water?. Atmospheric Environment, 2019, 201, 323-333.	4.1	12
12	Hydration of the methanesulfonateâ€“ammonia/amine complex and its atmospheric implications. RSC Advances, 2018, 8, 3250-3263.	3.6	16
13	Interaction of oxalic acid with methylamine and its atmospheric implications. RSC Advances, 2018, 8, 7225-7234.	3.6	16
14	An investigation about the structures, thermodynamics and kinetics of the formic acid involved molecular clusters. Chemical Physics, 2018, 507, 44-50.	1.9	7
15	Synergistic Effect of Ammonia and Methylamine on Nucleation in the Earthâ€™s Atmosphere. A Theoretical Study. Journal of Physical Chemistry A, 2018, 122, 3470-3479.	2.5	41
16	Hydration of 3-hydroxy-4,4-dimethylglutaric acid with dimethylamine complex and its atmospheric implications. Physical Chemistry Chemical Physics, 2018, 20, 25780-25791.	2.8	15
17	A study on the microscopic mechanism of methanesulfonic acid-promoted binary nucleation of sulfuric acid and water. Atmospheric Environment, 2018, 191, 214-226.	4.1	13
18	Interaction of oxalic acid with dimethylamine and its atmospheric implications. RSC Advances, 2017, 7, 6374-6388.	3.6	48

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19	Hydration of oxalic acidâ€“ammonia complex: atmospheric implication and Rayleigh-scattering properties. RSC Advances, 2016, 6, 46582-46593.	3.6	18
20	Structure, temperature effect and bonding order analysis of hydrated bromide clusters. Chemical Physics, 2016, 479, 129-142.	1.9	4
21	Characterization of the nucleation precursor (H₂SO₄â€“(CH₃)₂NH) complex: intra-cluster interactions and atmospheric relevance. RSC Advances, 2016, 6, 5824-5836.	3.6	9
22	Ï€-Hydrogen Bonding of Aromatics on the Surface of Aerosols: Insights from Ab Initio and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2016, 120, 6667-6673.	2.6	13
23	Bidirectional Interaction of Alanine with Sulfuric Acid in the Presence of Water and the Atmospheric Implication. Journal of Physical Chemistry A, 2016, 120, 2357-2371.	2.5	29
24	A density functional theory study on structures, stabilities, and electronic and magnetic properties of Au C (n= 1â€“9) clusters. Chemical Physics, 2016, 472, 50-60.	1.9	9
25	Three-Dimensional Assignment of the Structures of Atomic Clusters: an Example of Au8M (M=Si, Ge,) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	8
26	On the properties of Au₂P₃^z(z = â¯1, 0, +1): analysis of geometry, interaction, and electron density. RSC Advances, 2015, 5, 26071-26080.	3.6	5
27	Probing the structures and electronic properties of dual-phosphorus-doped gold cluster anions (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	1.9	3
28	A flexible transition state searching method for atmospheric reaction systems. Chemical Physics, 2015, 450-451, 21-31.	1.9	1
29	Interaction of gas phase oxalic acid with ammonia and its atmospheric implications. Physical Chemistry Chemical Physics, 2015, 17, 9552-9563.	2.8	58
30	Stability of Hydrated Methylamine: Structural Characteristics and H₂NÂ·Â·Â·Hâ€“O Hydrogen Bonds. Journal of Physical Chemistry A, 2015, 119, 3770-3779.	2.5	16
31	Properties of Ammonium Ionâ€“Water Clusters: Analyses of Structure Evolution, Noncovalent Interactions, and Temperature and Humidity Effects. Journal of Physical Chemistry A, 2015, 119, 3035-3047.	2.5	25
32	Probing the 2D-to-3D structural transition in gold clusters with a single sulfur atom: Au_xS^{0,Â±1} (x = 1â€“10). RSC Advances, 2014, 4, 15066-15076.	3.6	18
33	Theoretical Study of the Hydration of Atmospheric Nucleation Precursors with Acetic Acid. Journal of Physical Chemistry A, 2014, 118, 7959-7974.	2.5	38
34	Theoretical study of temperature dependence and Rayleigh scattering properties of chloride hydration clusters. Physical Chemistry Chemical Physics, 2014, 16, 19241.	2.8	35
35	Theoretical studies of the hydration reactions of stabilized Criegee intermediates from the ozonolysis of Î²-pinene. RSC Advances, 2014, 4, 28490.	3.6	19
36	Structural Exploration of Water, Nitrate/Water, and Oxalate/Water Clusters with Basin-Hopping Method Using a Compressed Sampling Technique. Journal of Physical Chemistry A, 2014, 118, 508-516.	2.5	49

#	ARTICLE	IF	CITATIONS
37	Study of Cl^{â^'}(H₂O)_n (n = 1â€“4) using basinâ€hopping method coupled with density functional theory. Journal of Computational Chemistry, 2014, 35, 159-165.	3.3	35
38	Structure, stability, and electronic property of carbon-doped gold clusters AunCâ^' (n = 1â€“10): A density functional theory study. Journal of Chemical Physics, 2013, 139, 244312.	3.0	35
39	A density functional study of phosphorus-doped gold clusters: AunPâ^' (n = 1â€“8). RSC Advances, 2013, 3, 24492.	3.6	27
40	Observation of linear to planar structural transition in sulfur-doped gold clusters: AuxSâ^' (x = 2â€“5). Journal of Chemical Physics, 2013, 138, 174303.	3.0	22
41	Sequential Observation of Alkaliâ€halide Gas Phase Clusters in High Resolution TOFâ€MS and Prediction of Their Structures. Chinese Journal of Chemical Physics, 2013, 26, 729-738.	1.3	1
42	Use of integrated cavity output spectroscopy for studying gas phase chemistry in a smog chamber: Characterizing the photolysis of methyl nitrite (CH3ONO). Vibrational Spectroscopy, 2007, 44, 388-393.	2.2	15
43	Absorption spectroscopy of formaldehyde at. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 331-339.	2.3	19
44	Wavelength modulated off-axis integrated cavity output spectroscopy in the near infrared. Applied Physics B: Lasers and Optics, 2007, 86, 353-359.	2.2	51
45	The detection of carbon monoxide by cavity enhanced absorption spectroscopy with a DFB diode laser. Vibrational Spectroscopy, 2006, 40, 192-196.	2.2	5
46	Natural gas pipeline leak detector based on NIR diode laser absorption spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 133-138.	3.9	36
47	<title>Portable remote sensor of methane leakage using near-IR diode laser</title>. , 2005, 5832, 325.		2
48	<title>Cavity enhanced absorption spectroscopy of molecular carbon dioxide near IR region with a DFB diode laser</title>. , 2005, 5832, 662.		0