

Huangteng

List of Publications by Year in descending order

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48
papers

852
citations

430874

18
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526287

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g-index

48
all docs

48
docs citations

48
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of gas phase oxalic acid with ammonia and its atmospheric implications. Physical Chemistry Chemical Physics, 2015, 17, 9552-9563.	2.8	58
2	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
3	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
4	Interaction of oxalic acid with dimethylamine and its atmospheric implications. RSC Advances, 2017, 7, 6374-6388.	3.6	48
5	Synergistic Effect of Ammonia and Methylamine on Nucleation in the Earth's Atmosphere. A Theoretical Study. Journal of Physical Chemistry A, 2018, 122, 3470-3479.	2.5	41
6	Theoretical Study of the Hydration of Atmospheric Nucleation Precursors with Acetic Acid. Journal of Physical Chemistry A, 2014, 118, 7959-7974.	2.5	38
7	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
8	Structure, stability, and electronic property of carbon-doped gold clusters AuC _n ⁺ (n = 1-10): A density functional theory study. Journal of Chemical Physics, 2013, 139, 244312.	3.0	35
9	Theoretical study of temperature dependence and Rayleigh scattering properties of chloride hydration clusters. Physical Chemistry Chemical Physics, 2014, 16, 19241.	2.8	35
10	Study of Cl ⁺ (H ₂ O) _n (n = 1-4) using basin-hopping method coupled with density functional theory. Journal of Computational Chemistry, 2014, 35, 159-165.	3.3	35
11	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
12	A density functional study of phosphorus-doped gold clusters: AuP _n ⁺ (n = 1-8). RSC Advances, 2013, 3, 24492.	3.6	27
13	Properties of Ammonium Ion-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
14	Observation of linear to planar structural transition in sulfur-doped gold clusters: Au _x S ⁺ (x = 2-5). Journal of Chemical Physics, 2013, 138, 174303.	3.0	22
15	Absorption spectroscopy of formaldehyde at. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 331-339.	2.3	19
16	Theoretical studies of the hydration reactions of stabilized Criegee intermediates from the ozonolysis of <i>l</i> -pinene. RSC Advances, 2014, 4, 28490.	3.6	19
17	Probing the 2D-to-3D structural transition in gold clusters with a single sulfur atom: Au _x S ⁺ (x = 1-10). RSC Advances, 2014, 4, 15066-15076.	3.6	18
18	Hydration of oxalic acid-ammonia complex: atmospheric implication and Rayleigh-scattering properties. RSC Advances, 2016, 6, 46582-46593.	3.6	18

#	ARTICLE	IF	CITATIONS
19	Stability of Hydrated Methylamine: Structural Characteristics and H ₂ N•••••O Hydrogen Bonds. Journal of Physical Chemistry A, 2015, 119, 3770-3779.	2.5	16
20	Hydration of the methanesulfonate••••• ammonia/amine complex and its atmospheric implications. RSC Advances, 2018, 8, 3250-3263.	3.6	16
21	Interaction of oxalic acid with methylamine and its atmospheric implications. RSC Advances, 2018, 8, 7225-7234.	3.6	16
22	Formation of atmospheric molecular clusters of methanesulfonic acid•••••Diethylamine complex and its atmospheric significance. Atmospheric Environment, 2020, 226, 117404.	4.1	16
23	Use of integrated cavity output spectroscopy for studying gas phase chemistry in a smog chamber: Characterizing the photolysis of methyl nitrite (CH ₃ ONO). Vibrational Spectroscopy, 2007, 44, 388-393.	2.2	15
24	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
25	•••••Hydrogen Bonding of Aromatics on the Surface of Aerosols: Insights from <i>Ab Initio</i> and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2016, 120, 6667-6673.	2.6	13
26	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
27	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
28	Can formaldehyde contribute to atmospheric new particle formation from sulfuric acid and water?. Atmospheric Environment, 2019, 201, 323-333.	4.1	12
29	Volatile organic compounds enhancing sulfuric acid-based ternary homogeneous nucleation: The important role of synergistic effect. Atmospheric Environment, 2020, 233, 117609.	4.1	11
30	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
31	Characterization of the nucleation precursor (H ₂ SO ₄ •••••(CH ₃) ₂ NH) complex: intra-cluster interactions and atmospheric relevance. RSC Advances, 2016, 6, 5824-5836.	3.6	9
32	A density functional theory study on structures, stabilities, and electronic and magnetic properties of Au C (n= 1•••••9) clusters. Chemical Physics, 2016, 472, 50-60.	1.9	9
33	The nucleation mechanism of succinic acid involved sulfuric acid - Dimethylamine in new particle formation. Atmospheric Environment, 2021, 263, 118683.	4.1	9
34	Three-Dimensional Assignment of the Structures of Atomic Clusters: an Example of Au ₈ M (M=Si, Ge), Tj ETQq0 0 0,rgBT /Overlock 10 Tf		8
35	Multicomponent nucleation of malonic acid involved in the sulfuric acid - dimethylamine system and its atmospheric implications. Atmospheric Environment, 2021, 267, 118558.	4.1	8
36	An investigation about the structures, thermodynamics and kinetics of the formic acid involved molecular clusters. Chemical Physics, 2018, 507, 44-50.	1.9	7

#	ARTICLE	IF	CITATIONS
37	Hydration of acetic acid-dimethylamine complex and its atmospheric implications. Atmospheric Environment, 2019, 219, 117005.	4.1	6
38	The detection of carbon monoxide by cavity enhanced absorption spectroscopy with a DFB diode laser. Vibrational Spectroscopy, 2006, 40, 192-196.	2.2	5
39	On the properties of Au ₂ P ₃ ^z (z = -1, 0, +1): analysis of geometry, interaction, and electron density. RSC Advances, 2015, 5, 26071-26080.	3.6	5
40	Structure, temperature effect and bonding order analysis of hydrated bromide clusters. Chemical Physics, 2016, 479, 129-142.	1.9	4
41	Valine involved sulfuric acid-dimethylamine ternary homogeneous nucleation and its atmospheric implications. Atmospheric Environment, 2021, 254, 118373.	4.1	4
42	Probing the structures and electronic properties of dual-phosphorus-doped gold cluster anions ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (overfl	1.9	3
43	$\langle \text{title} \rangle$ Portable remote sensor of methane leakage using near-IR diode laser $\langle / \text{title} \rangle$. , 2005, 5832, 325.		2
44	Contributions of alanine and serine to sulfuric acid-based homogeneous nucleation. Atmospheric Environment, 2021, 246, 118139.	4.1	2
45	Sequential Observation of Alkali Halide Gas Phase Clusters in High Resolution TOF-MS and Prediction of Their Structures. Chinese Journal of Chemical Physics, 2013, 26, 729-738.	1.3	1
46	A flexible transition state searching method for atmospheric reaction systems. Chemical Physics, 2015, 450-451, 21-31.	1.9	1
47	A high-accuracy machine-learning water model for exploring water nanocluster structures. Nanoscale, 2021, 13, 12212-12222.	5.6	1
48	$\langle \text{title} \rangle$ Cavity enhanced absorption spectroscopy of molecular carbon dioxide near IR region with a DFB diode laser $\langle / \text{title} \rangle$. , 2005, 5832, 662.		0