

Tuan H Vu

List of Publications by Year in descending order

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34
papers

569
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567281

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642732

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all docs

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35
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Reply to the "Comment on Cage occupancy of methane clathrate hydrates in the ternary H ₂ O–NH ₃ –CH ₄ system" by S. Alavi and J. Ripmeester, <i>Chem. Commun.</i> , 2022, 58, DOI: 10.1039/D1CC06526B. <i>Chemical Communications</i> , 2022, 58, 4099-4102.	4.1	1
2	Formation of Vitreous Salt Hydrates Under Conditions Relevant to Europa. <i>Planetary Science Journal</i> , 2022, 3, 151.	3.6	4
3	A simple gas introduction system for cryogenic powder X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2021, 54, 1268-1270.	4.5	2
4	Titan in a Test Tube: Organic Co-crystals and Implications for Titan Mineralogy. <i>Accounts of Chemical Research</i> , 2021, 54, 3050-3059.	15.6	17
5	Vertical compositional variations of liquid hydrocarbons in Titan's alkanofers. <i>Astronomy and Astrophysics</i> , 2021, 653, A80.	5.1	3
6	Specific Heat Capacity Measurements of Selected Meteorites for Planetary Surface Temperature Modeling. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	3.6	7
7	Properties and Behavior of the Acetonitrile–Acetylene Co-Crystal under Titan Surface Conditions. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1375-1385.	2.7	13
8	Cage occupancy of methane clathrate hydrates in the ternary H ₂ O–NH ₃ –CH ₄ system. <i>Chemical Communications</i> , 2020, 56, 12391-12394.	4.1	4
9	Phase Behavior of Clathrate Hydrates in the Ternary H ₂ O–NH ₃ –Cyclopentane System. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 526-534.	2.7	6
10	Probing Europa's subsurface ocean composition from surface salt minerals using in-situ techniques. <i>Icarus</i> , 2020, 349, 113746.	2.5	15
11	Rapid Formation of Clathrate Hydrate From Liquid Ethane and Water Ice on Titan. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086265.	4.0	19
12	Anisotropic thermal expansion of the acetylene–ammonia co-crystal under Titan's conditions. <i>Journal of Applied Crystallography</i> , 2020, 53, 1524-1530.	4.5	7
13	Raman Signatures and Thermal Expansivity of Acetylene Clathrate Hydrate. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7051-7056.	2.5	7
14	No compelling evidence for clathrate hydrate formation under interstellar medium conditions over laboratory time scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14407-14408.	7.1	7
15	A Co-Crystal between Acetylene and Butane: A Potentially Ubiquitous Molecular Mineral on Titan. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2808-2815.	2.7	19
16	Insights into Europa's ocean composition derived from its surface expression. <i>Icarus</i> , 2019, 321, 857-865.	2.5	21
17	Low-temperature specific heat capacity measurements and application to Mars thermal modeling. <i>Icarus</i> , 2019, 321, 824-840.	2.5	11
18	Kinetic effect on the freezing of ammonium-sodium-carbonate-chloride brines and implications for the origin of Ceres' bright spots. <i>Icarus</i> , 2019, 320, 150-158.	2.5	18

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19	The Acetylene-Ammonia Co-crystal on Titan. ACS Earth and Space Chemistry, 2018, 2, 366-375.	2.7	30
20	Phase Diagram of the Ternary Water-Tetrahydrofuran-Ammonia System at Low Temperatures. Implications for Clathrate Hydrates and Outgassing on Titan. ACS Earth and Space Chemistry, 2018, 2, 135-146.	2.7	12
21	Prospects for mineralogy on Titan. American Mineralogist, 2018, 103, 343-349.	1.9	35
22	Composition and Evolution of Frozen Chloride Brines under the Surface Conditions of Europa. ACS Earth and Space Chemistry, 2017, 1, 14-23.	2.7	33
23	Preferential formation of sodium salts from frozen sodium-ammonium-chloride-carbonate brines - Implications for Ceres' bright spots. Planetary and Space Science, 2017, 141, 73-77.	1.7	31
24	A co-crystal between benzene and ethane: a potential evaporite material for Saturn's moon Titan. IUCr, 2016, 3, 192-199.	2.2	26
25	CHEMISTRY OF FROZEN SODIUM-MAGNESIUM-SULFATE-CHLORIDE BRINES: IMPLICATIONS FOR SURFACE EXPRESSION OF EUROPA'S OCEAN COMPOSITION. Astrophysical Journal Letters, 2016, 816, L26.	8.3	29
26	Hydrogen Bonding between Water and Tetrahydrofuran Relevant to Clathrate Formation. Journal of Physical Chemistry B, 2015, 119, 9167-9172.	2.6	43
27	Experimental Study on the Effect of Ammonia on the Phase Behavior of Tetrahydrofuran Clathrates. Journal of Physical Chemistry B, 2014, 118, 13371-13377.	2.6	12
28	Insights into hydrogen bonding via ice interfaces and isolated water. Journal of Chemical Physics, 2014, 141, 18C521.	3.0	7
29	Formation of a New Benzene-Ethane Co-Crystalline Structure Under Cryogenic Conditions. Journal of Physical Chemistry A, 2014, 118, 4087-4094.	2.5	23
30	Experimental determination of the kinetics of formation of the benzene-ethane co-crystal and implications for Titan. Geophysical Research Letters, 2014, 41, 5396-5401.	4.0	21
31	Molecular dance: Water's collective modes. Chemical Physics Letters, 2013, 588, 1-10.	2.6	12
32	Vibrating hydroxide in hydrophobic solution: The ion to keep an eye on. Chemical Physics Letters, 2013, 572, 13-15.	2.6	8
33	Water: A Responsive Small Molecule. Accounts of Chemical Research, 2012, 45, 15-22.	15.6	59
34	Competitive Binding of Methanol and Propane for Water Via Matrix-Isolation Spectroscopy: Implications for Inhibition of Clathrate Nucleation. Journal of Physical Chemistry A, 2011, 115, 998-1002.	2.5	7