Tuan H Vu

List of Publications by Year
in descending order

34	569	567281 15	642732 23
papers	citations	h-index	g-index

35	35	35	646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Water: A Responsive Small Molecule. Accounts of Chemical Research, 2012, 45, 15-22.	15.6	59
2	Hydrogen Bonding between Water and Tetrahydrofuran Relevant to Clathrate Formation. Journal of Physical Chemistry B, 2015, 119, 9167-9172.	2.6	43
3	Prospects for mineralogy on Titan. American Mineralogist, 2018, 103, 343-349.	1.9	35
4	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
5	Preferential formation of sodium salts from frozen sodium-ammonium-chloride-carbonate brines â€“ Implications for Ceresâ€™ bright spots. Planetary and Space Science, 2017, 141, 73-77.	1.7	31
6	The Acetylene-Ammonia Co-crystal on Titan. ACS Earth and Space Chemistry, 2018, 2, 366-375.	2.7	30
7	CHEMISTRY OF FROZEN SODIUMâ€“MAGNESIUMâ€“SULFATEâ€“CHLORIDE BRINES: IMPLICATIONS FOR SURFACE EXPRESSION OF EUROPAâ€™S OCEAN COMPOSITION. Astrophysical Journal Letters, 2016, 816, L26.	8.3	29
8	A co-crystal between benzene and ethane: a potential evaporite material for Saturn's moon Titan. IUCrJ, 2016, 3, 192-199.	2.2	26
9	Formation of a New Benzeneâ€“Ethane Co-Crystalline Structure Under Cryogenic Conditions. Journal of Physical Chemistry A, 2014, 118, 4087-4094.	2.5	23
10	Experimental determination of the kinetics of formation of the benzeneâ€ethane coâ€crystal and implications for Titan. Geophysical Research Letters, 2014, 41, 5396-5401.	4.0	21
11	Insights into Europa's ocean composition derived from its surface expression. Icarus, 2019, 321, 857-865.	2.5	21
12	A Co-Crystal between Acetylene and Butane: A Potentially Ubiquitous Molecular Mineral on Titan. ACS Earth and Space Chemistry, 2019, 3, 2808-2815.	2.7	19
13	Rapid Formation of Clathrate Hydrate From Liquid Ethane and Water Ice on Titan. Geophysical Research Letters, 2020, 47, e2019GL086265.	4.0	19
14	Kinetic effect on the freezing of ammonium-sodium-carbonate-chloride brines and implications for the origin of Ceresâ€™ bright spots. Icarus, 2019, 320, 150-158.	2.5	18
15	Titan in a Test Tube: Organic Co-crystals and Implications for Titan Mineralogy. Accounts of Chemical Research, 2021, 54, 3050-3059.	15.6	17
16	Probing Europa's subsurface ocean composition from surface salt minerals using in-situ techniques. Icarus, 2020, 349, 113746.	2.5	15
17	Properties and Behavior of the Acetonitrileâ€“Acetylene Co-Crystal under Titan Surface Conditions. ACS Earth and Space Chemistry, 2020, 4, 1375-1385.	2.7	13
18	Molecular dance: Waterâ€™s collective modes. Chemical Physics Letters, 2013, 588, 1-10.	2.6	12

#	Article	IF	Citations
19	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
20	Phase Diagram of the Ternary Waterâ€“Tetrahydrofuranâ€“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	Low-temperature specific heat capacity measurements and application to Mars thermal modeling. Icarus, 2019, 321, 824-840.	2.5	11
22	Vibrating hydroxide in hydrophobic solution: The ion to keep an eye on. Chemical Physics Letters, 2013, 572, 13-15.	2.6	8
23	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
24	Insights into hydrogen bonding via ice interfaces and isolated water. Journal of Chemical Physics, 2014, 141, 18C521.	3.0	7
25	Raman Signatures and Thermal Expansivity of Acetylene Clathrate Hydrate. Journal of Physical Chemistry A, 2019, 123, 7051-7056.	2.5	7
26	No compelling evidence for clathrate hydrate formation under interstellar medium conditions over laboratory time scales. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14407-14408.	7.1	7
27	Anisotropic thermal expansion of the acetyleneâ€“ammonia co-crystal under Titan's conditions. Journal of Applied Crystallography, 2020, 53, 1524-1530.	4.5	7
28	Specific Heat Capacity Measurements of Selected Meteorites for Planetary Surface Temperature Modeling. Journal of Geophysical Research E: Planets, 2021, 126, .	3.6	7
29	Phase Behavior of Clathrate Hydrates in the Ternary H₂Oâ€“NH₃â€“Cyclopentane System. ACS Earth and Space Chemistry, 2020, 4, 526-534.	2.7	6
30	Cage occupancy of methane clathrate hydrates in the ternary H2Oâ€“NH3â€“CH4 system. Chemical Communications, 2020, 56, 12391-12394.	4.1	4
31	Formation of Vitreous Salt Hydrates Under Conditions Relevant to Europa. Planetary Science Journal, 2022, 3, 151.	3.6	4
32	Vertical compositional variations of liquid hydrocarbons in Titanâ€™s alkanofers. Astronomy and Astrophysics, 2021, 653, A80.	5.1	3
33	A simple gas introduction system for cryogenic powder X-ray diffraction. Journal of Applied Crystallography, 2021, 54, 1268-1270.	4.5	2
34	Reply to the â€˜Comment on Cage occupancy of methane clathrate hydrates in the ternary H₂Oâ€“NH₃â€“CH₄ systemâ€™ by S. Alavi and J. Ripmeester, Chem. Commun., 2022, 58, DOI: 10.1039/D1CC06526B. Chemical Communications, 2022, 58, 4099-4102.	4.1	1