

Huong Q Tran

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,640
citations

840776

11
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

4110
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. Science, 2020, 370, .	12.6	508
2	An ultrapotent synthetic nanobody neutralizes SARS-CoV-2 by stabilizing inactive Spike. Science, 2020, 370, 1473-1479.	12.6	336
3	Mechanism of IAPP amyloid fibril formation involves an intermediate with a transient β^2 -sheet. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19285-19290.	7.1	224
4	Instantaneous ion configurations in the K ⁺ ion channel selectivity filter revealed by 2D IR spectroscopy. Science, 2016, 353, 1040-1044.	12.6	174
5	Fragment binding to the Nsp3 macrodomain of SARS-CoV-2 identified through crystallographic screening and computational docking. Science Advances, 2021, 7, .	10.3	100
6	Designed peptides that assemble into cross- β amyloid-like structures. Nature Chemical Biology, 2018, 14, 870-875.	8.0	62
7	Constructing ion channels from water-soluble α -helical barrels. Nature Chemistry, 2021, 13, 643-650.	13.6	59
8	Solvent-Independent Anharmonicity for Carbonyl Oscillators. Journal of Physical Chemistry B, 2017, 121, 2331-2338.	2.6	36
9	Probing the Effects of Gating on the Ion Occupancy of the K ⁺ Channel Selectivity Filter Using Two-Dimensional Infrared Spectroscopy. Journal of the American Chemical Society, 2017, 139, 8837-8845.	13.7	30
10	Synthesis and application of the blue fluorescent amino acid l-4-cyanotryptophan to assess peptide-membrane interactions. Chemical Communications, 2019, 55, 5095-5098.	4.1	20
11	Glutamine Side Chain ^{13}C - ^{18}O as a Nonperturbative IR Probe of Amyloid Fibril Hydration and Assembly. Journal of the American Chemical Society, 2019, 141, 7320-7326.	13.7	13
12	Spiers Memorial Lecture: Analysis and <i>de novo</i> design of membrane-interactive peptides. Faraday Discussions, 2021, 232, 9-48.	3.2	3
13	Counting tagged molecules one by one: Quantitative photoactivation and bleaching of photoactivatable fluorophores. Journal of Chemical Physics, 2015, 143, 104201.	3.0	1
14	Two-dimensional infrared (2D IR) spectroscopy for elucidating ion occupancies in the selectivity filter of ion channels. Biomedical Spectroscopy and Imaging, 2018, 7, 3-15.	1.2	0