Tiangang Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

16	579	840776 11	940533 16
papers	citations	h-index	g-index

16	16	16	397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental and Theoretical Differential Cross Sections for a Four-Atom Reaction: HD + OH â†' H ₂ O + D. Science, 2011, 333, 440-442.	12.6	152
2	Dynamical Resonances Accessible Only by Reagent Vibrational Excitation in the F + HDâ†'HF + D Reaction. Science, 2013, 342, 1499-1502.	12.6	107
3	Extremely short-lived reaction resonances in Cl + HD (v = 1) â†' DCl + H due to chemical bond softening. Science, 2015, 347, 60-63.	12.6	91
4	The dynamics of the D2 + OH â†' HOD + D reaction: A combined theoretical and experimental study. Faraday Discussions, 2012, 157, 101.	3.2	38
5	Optical Control of Reactions between Water and Laser-Cooled Be⁺ Ions. Journal of Physical Chemistry Letters, 2018, 9, 3555-3560.	4.6	37
6	Dynamical resonances in chemical reactions. Chemical Society Reviews, 2018, 47, 6744-6763.	38.1	34
7	Enhanced reactivity of fluorine with para-hydrogen in cold interstellar clouds by resonance-induced quantum tunnelling. Nature Chemistry, 2019, 11, 744-749.	13.6	34
8	Highly Efficient Pumping of Vibrationally Excited HD Molecules via Stark-Induced Adiabatic Raman Passage. Journal of Physical Chemistry Letters, 2013, 4, 368-371.	4.6	16
9	Isomer-specific kinetics of the C ⁺ + H ₂ O reaction at the temperature of interstellar clouds. Science Advances, 2021, 7, .	10.3	16
10	Isotope-Dependent Rotational States Distributions Enhanced by Dynamic Resonance States: A Comparison Study of the F + HD â†' HF(v_{HF} = 2) + D and F + H₂ â†' HF(v_{HF} = 2) + H Reaction. Journal of Physical Chemistry Letters, 2014, 5, 3049-3055.	4.6	15
11	Isotope-selective chemistry in the Be⁺(²S_{1/2}) + HOD â†' BeOD⁺/BeOH⁺ + H/D reaction. Physical Chemistry Chemical Physics, 2019, 21, 14005-14011.	2.8	14
12	Effect of Reagent Vibrational Excitation on the Dynamics of F + H₂(v = 1, j =) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	11
13	Efficient Preparation of D₂ Molecules in v=2 by Stimulated Raman Pumping. Chinese Journal of Chemical Physics, 2017, 30, 614-618.	1.3	4
14	Quantum resonances near absolute zero. Science, 2020, 368, 582-583.	12.6	4
15	Determining reaction pathways at low temperatures by isotopic substitution: the case of BeD⁺ + H₂O. New Journal of Physics, 2021, 23, 115004.	2.9	4
16	STEREODYNAMICS STUDY OF THE ABSTRACTION REACTION H + CD4 â†' HD + CD3. Journal of Theoretical and Computational Chemistry, 2013, 12, 1250109.	1.8	2