

Bo Xiong

List of Publications by Year in descending order

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14
papers

253
citations

1039406

9
h-index

1058022

14
g-index

14
all docs

14
docs citations

14
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	Communication: Rovibrationally selected absolute total cross sections for the reaction $\text{H}_2\text{O}+(\text{X})_2\text{B}(1); \text{v}(1)+\text{v}(2)+\text{v}(3)+=000; \text{N}+\text{K}(\text{a}+\text{K}(\text{c}+)) + \text{D}_2$: Observation of the rotational enhancement effect. <i>Journal of Chemical Physics</i> , 2012, 137, 241101.	1.2	48
2	Communication: The origin of rotational enhancement effect for the reaction of $\text{H}_2\text{O} + \text{H}_2$ (D2). <i>Journal of Chemical Physics</i> , 2014, 140, 011102.	1.2	46
3	The translational, rotational, and vibrational energy effects on the chemical reactivity of water cation $\text{H}_2\text{O}+(\text{X})_2\text{B}(1)$ in the collision with deuterium molecule D_2 . <i>Journal of Chemical Physics</i> , 2013, 139, 024203.	1.2	33
4	Comparison of experimental and theoretical quantum-state-selected integral cross-sections for the $\text{H}_2\text{O} + \text{H}_2$ (D_2) reactions in the collision energy range of 0.04–10.00 eV. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22509-22515.	1.3	26
5	A vacuum ultraviolet laser pulsed field ionization-photoion study of methane (CH_4): determination of the appearance energy of methylum from methane with unprecedented precision and the resulting impact on the bond dissociation energies of CH_4 and CH_4^+ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9592-9605.	1.3	21
6	A quantum-rovibrational-state-selected study of the reaction in the collision energy range of 0.05–10.00 eV: translational, rotational, and vibrational energy effects. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9778-9789.	1.3	12
7	Isotopic and quantum-rovibrational-state effects for the ion–molecule reaction in the collision energy range of 0.03–10.00 eV. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8694-8705.	1.3	11
8	ABSOLUTE INTEGRAL CROSS SECTIONS FOR THE STATE-SELECTED ION–MOLECULE REACTION ; eV. <i>Astrophysical Journal</i> , 2016, 827, 17.	1.6	10
9	A quantum-rovibrational-state-selected study of the proton-transfer reaction $\text{H}_2\text{O} + \text{X}^2\text{g}^+ + \text{v} = \text{H}^3; \text{N} = 0^3 + \text{Ne}^+$ NeH ⁺ + H using the pulsed field ionization-photoion method: observation of the rotational effect near the reaction threshold. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29057-29067.	1.3	9
10	Quantum-state-selected integral cross sections for the charge transfer collision of $\text{O}_2 + \text{a}_4(\text{u}_{5/2,3/2,1/2}^+; \text{v} = 1^2)$; $\text{Tj ETQq0 0 0 rgBT /Overlock 1.3 9$	1.3	9
11	Quantum vibrational state-selected integral cross sections and product branching ratios for the ion-molecule reactions of $\text{N}_2(\text{X}^2\text{g}^+; \text{v} = 1^2)$; $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 8 50 332$	1.6	8
12	Quantum-State-Selected Integral Cross Sections and Branching Ratios for the Ion–Molecule Reaction of $\text{N}_2(\text{X}^2\text{g}^+; \text{v} = 0^2) + \text{C}_2\text{H}_4$ in the Collision Energy Range of 0.05–10.00 eV. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6491-6499.	1.1	8
13	Quantum Spin–Orbit Electronic State Selection of Atomic Transition Metal Vanadium Cation for Chemical Reactivity Studies. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2310-2319.	1.1	8
14	Chemical activation of oxygen molecule by quantum electronic state selected vanadium cation: observation of spin–orbit state effects. <i>Molecular Physics</i> , 2021, 119, e1767309.	0.8	4