

# Bo Xiong

## List of Publications by Year in descending order

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14  
papers

253  
citations

1039880

9  
h-index

1058333

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14  
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docs citations

14  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Quantum-vibrational-state-selected integral cross sections and product branching ratios for the ion-molecule reactions of $N_2^+(X^2\Sigma_g^+; v=0)$ and $N_2^+(X^2\Sigma_g^+; v=1)$ with $O_2$ . <i>Journal of Physical Chemistry A</i> , 2018, 122, 6491-6499.	1.1	8
4	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
5	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
6	A vacuum ultraviolet laser pulsed field ionization-photoion study of methane ( $CH_4$ ): determination of the appearance energy of methyl cation from methane with unprecedented precision and the resulting impact on the bond dissociation energies of $CH_4$ and $CH_3$ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9592-9605.	1.3	21
7	A quantum-rovibrational-state-selected study of the proton-transfer reaction $H_2O^+(X^2\Sigma_g^+; v=0) + Ne \rightarrow H_2O(X^2\Sigma_g^+; v=0) + Ne^+$ using the pulsed field ionization-photoion method: observation of the rotational effect near the reaction threshold. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10610-10627.	1.3	9
8	Quantum-state-selected integral cross sections for the charge transfer collision of $O_2^+(a^4\Pi_u; v=0)$ with $H_2$ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20057-20067.	1.3	9
9	ABSOLUTE INTEGRAL CROSS SECTIONS FOR THE STATE-SELECTED ION-MOLECULE REACTION $N_2^+(X^2\Sigma_g^+; v=0) + H_2$ . <i>Astrophysical Journal</i> , 2016, 827, 17.	1.6	10
10	Comparison of experimental and theoretical quantum-state-selected integral cross-sections for the $H_2O^+(X^2\Sigma_g^+; v=0) + H_2$ reaction in the collision energy range of 0.04-10.00 eV. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22509-22515.	1.3	26
11	Communication: The origin of rotational enhancement effect for the reaction of $H_2O^+ + H_2$ (D2). <i>Journal of Chemical Physics</i> , 2014, 140, 011102.	1.2	46
12	The translational, rotational, and vibrational energy effects on the chemical reactivity of water cation $H_2O^+(X^2\Sigma_g^+; v=0)$ in the collision with deuterium molecule $D_2$ . <i>Journal of Chemical Physics</i> , 2013, 139, 024203.	1.2	33
13	Communication: Rovibrationally selected absolute total cross sections for the reaction $H_2O^+(X^2\Sigma_g^+; v=0) + H_2$ . <i>Journal of Chemical Physics</i> , 2012, 137, 241101.	1.2	48