Xin Xu

List of Publications by Year
in descending order

		1478505	1588992
9	159	6	8
papers	citations	h-index	g-index

9	9	9	217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum interference in H + HD â†' H ₂ + D between direct abstraction and roaming insertion pathways. Science, 2020, 368, 767-771.	12.6	52
2	Direct observation of forward-scattering oscillations in the H+HDâ†'H2+D reaction. Nature Chemistry, 2018, 10, 653-658.	13.6	46
3	A full-dimensional time-dependent wave packet study of the OHÂ+ÂCO â†' HÂ+ÂCO2 reaction. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	21
4	A neural network potential energy surface for the F + CH₄reaction including multiple channels based on coupled cluster theory. Physical Chemistry Chemical Physics, 2018, 20, 9090-9100.	2.8	21
5	An ab initioâ€based global potential energy surface for the SH₃ system and fullâ€dimensional stateâ€toâ€state quantum dynamics study for the H₂ + HS â†' H₂S + H reaction. Journal of Computational Chemistry, 2019, 40, 1151-1160.	3.3	10
6	State-to-state differential cross-sections for the reactive scattering of H*(n) with o-D2. Chemical Science, 2012, 3, 2839.	7.4	6
7	Strong non-Arrhenius behavior at low temperatures in the OH + HCl â†' H₂O + Cl reaction due to resonance induced quantum tunneling. Chemical Science, 2022, 13, 7955-7961.	7.4	2
8	Quantum Wave Packet Study of the H + Br₂ â†' HBr + Br Reaction on a New Ab Initio Potential Energy Surface. Journal of Physical Chemistry A, 2021, 125, 7289-7296.	2.5	1
9	Dâ€‰+â€‰C(CH3)4â€‰â†'â€‰HD (vâ€‰=â€‰2,â€‰jâ€‰=â€‰2)â€‰+â€‰C(CH3)3CH2: possible concerted flow of vibration energy Molecular Physics, 2012, 110, 1713-1720.	1.7	0