

Xin Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5710284/publications.pdf>

Version: 2024-02-01

9
papers

159
citations

1478505
6
h-index

1588992
8
g-index

9
all docs

9
docs citations

9
times ranked

217
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong non-Arrhenius behavior at low temperatures in the OH + HCl $\hat{\rightarrow}$ H ₂ O + Cl reaction due to resonance induced quantum tunneling. <i>Chemical Science</i> , 2022, 13, 7955-7961.	7.4	2
2	Quantum Wave Packet Study of the H + Br ₂ $\hat{\rightarrow}$ HBr + Br Reaction on a New Ab Initio Potential Energy Surface. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7289-7296.	2.5	1
3	Quantum interference in H + HD $\hat{\rightarrow}$ H ₂ + D between direct abstraction and roaming insertion pathways. <i>Science</i> , 2020, 368, 767-771.	12.6	52
4	An <i>ab initio</i> -based global potential energy surface for the SH ₃ system and full-dimensional state-to-state quantum dynamics study for the H ₂ + HS $\hat{\rightarrow}$ H ₂ S + 3.3 H reaction. <i>Journal of Computational Chemistry</i> , 2019, 40, 1151-1160.		10
5	A neural network potential energy surface for the F + CH ₄ reaction including multiple channels based on coupled cluster theory. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9090-9100.	2.8	21
6	Direct observation of forward-scattering oscillations in the H+HD $\hat{\rightarrow}$ H ₂ +D reaction. <i>Nature Chemistry</i> , 2018, 10, 653-658.	13.6	46
7	D ₂ +C(CH ₃) ₄ $\hat{\rightarrow}$ HD (v ₁ ,j ₁) $\hat{\rightarrow}$ C(CH ₃) ₃ CH ₂ : possible concerted flow of vibration energy. <i>Molecular Physics</i> , 2012, 110, 1713-1720.	1.7	0
8	State-to-state differential cross-sections for the reactive scattering of H*(n) with o-D ₂ . <i>Chemical Science</i> , 2012, 3, 2839.	7.4	6
9	A full-dimensional time-dependent wave packet study of the OH $\hat{\rightarrow}$ HO $\hat{\rightarrow}$ CO ₂ reaction. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	21