

James Croft

List of Publications by Year in descending order

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docs citations

18
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249
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field dependence of complex-dominated ultracold molecular collisions. <i>Physical Review A</i> , 2022, 105, .	2.5	7
2	Role of Low Energy Resonances in the Stereodynamics of Cold He + D ₂ Collisions. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4064-4072.	4.6	9
3	Stereodynamic control of cold rotationally inelastic CO + HD collisions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19364-19374.	2.8	8
4	Non-adiabatic quantum interference in the ultracold Li + LiNa $\hat{\alpha}^+$ Li ₂ + Na reaction. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5096-5112.	2.8	25
5	Full-Dimensional Potential Energy Surface for Ro-vibrationally Inelastic Scattering between H ₂ Molecules. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 6747-6756.	5.3	11
6	Unified model of ultracold molecular collisions. <i>Physical Review A</i> , 2020, 102, .	2.5	22
7	Stereodynamical Control of a Quantum Scattering Resonance in Cold Molecular Collisions. <i>Physical Review Letters</i> , 2019, 123, 043401.	7.8	32
8	Controlling rotational quenching rates in cold molecular collisions. <i>Journal of Chemical Physics</i> , 2019, 150, 164302.	3.0	19
9	Rotational Quenching of HD in Collisions with H ₂ : Resolving Discrepancies for Low-lying Rotational Transitions. <i>Astrophysical Journal</i> , 2018, 866, 95.	4.5	10
10	Unraveling the Stereodynamics of Cold Controlled $\hat{\alpha}^+$ HD Collisions. <i>Physical Review Letters</i> , 2018, 121, 113401.	7.8	39
11	Symmetry and the geometric phase in ultracold hydrogen-exchange reactions. <i>Journal of Chemical Physics</i> , 2017, 147, 074302.	3.0	13
12	Universality and chaoticity in ultracold K+KRb chemical reactions. <i>Nature Communications</i> , 2017, 8, 15897.	12.8	56
13	Long-lived complexes and signatures of chaos in ultracold $\hat{\alpha}^+$ K ₂ + Rb collisions. <i>Physical Review A</i> , 2017, 96, .	2.5	28
14	Non-sticking of helium buffer gas to hydrocarbons. <i>Physical Review A</i> , 2015, 91, .	2.5	3
15	Long-lived complexes and chaos in ultracold molecular collisions. <i>Physical Review A</i> , 2014, 89, .	2.5	45
16	Multichannel quantum defect theory for cold molecular collisions with a strongly anisotropic potential energy surface. <i>Physical Review A</i> , 2013, 87, .	2.5	3
17	Optimized multichannel quantum defect theory for cold molecular collisions. <i>Physical Review A</i> , 2012, 86, .	2.5	10
18	Multichannel quantum defect theory for cold molecular collisions. <i>Physical Review A</i> , 2011, 84, .	2.5	35