## Tomás González-Lezana

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7186144/publications.pdf

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124 papers 2,840 citations

172457 29 h-index 214800 47 g-index

127 all docs

127 docs citations

times ranked

127

1123 citing authors

#	Article	IF	CITATIONS
1	Helium structures around SF <sub>5</sub> <sup>+</sup> and SF <sub>6</sub> <sup>+</sup> : novel intermolecular potential and mass spectrometry experiments. Physical Chemistry Chemical Physics, 2022, 24, 2004-2014.	2.8	5
2	Statistical investigations of the S <mml:math altimg="si4.svg" display="inline" id="d1e250" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo></mml:mo><mml:msup><mml:mrow) 0="" 10="" etqq0="" overlock="" rgbt="" t<="" td="" tj=""><td>f<b>නිම</b> 697</td><td>_a(/&gt;<mml:r< td=""></mml:r<></td></mml:mrow)></mml:msup></mml:mrow></mml:math>	f <b>නිම</b> 697	_a(/> <mml:r< td=""></mml:r<>
3	reaction in the quantum regime. Chemical Physics Letters, 2021, 763, 138228.  Rate constants for the H+ + H2 reaction from 5 K to 3000 K with a statistical quantum method. Journal of Chemical Physics, 2021, 154, 054310.	3.0	8
4	Ca+ Ions Solvated in Helium Clusters. Molecules, 2021, 26, 3642.	3.8	6
5	Growth of rare gases on coronene. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	5
6	Atom–Diatom Reactive Scattering Collisions in Protonated Rare Gas Systems. Molecules, 2021, 26, 4206.	3.8	2
7	Collisional cooling of primordial and interstellar media by H2. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3564-3571.	4.4	4
8	The kinetics of X + H <sub>2</sub> reactions (X = C( <sup>1</sup> D), N( <sup>2</sup> D), O( <sup>1</sup> D), N( <sup>2</sup> D), O( <sup>1</sup> D), N( <sup>2</sup> D), O( <sup>1</sup>	sup>12.3	ip>D),) Tj ET 2
9	Experimental and theoretical studies of the N( <sup>2</sup> D) + H <sub>2</sub> and D <sub>2</sub> reactions. Physical Chemistry Chemical Physics, 2020, 22, 23609-23617.	2.8	7
10	Solvation of ions in helium. International Reviews in Physical Chemistry, 2020, 39, 465-516.	2.3	38
11	Rotational-state-changing collisions between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msubsup></mml:math> and Rb at low energies. Physical Review A, 2020, 101, .	2.5	7
12	The Dynamics of the $S(1D)+H2/D2$ Reactions at Low Temperature via Statistical Simulations. Quarks, 2020, 3, 9-16.	0.3	2
13	Snowball formation for Cs <sup>+</sup> solvation in molecular hydrogen and deuterium. Physical Chemistry Chemical Physics, 2019, 21, 15662-15668.	2.8	12
14	Experimental and Theoretical Study of the O( $\langle \sup 1 <   \sup D \rangle$ ) + HD Reaction. Journal of Physical Chemistry A, 2019, 123, 8089-8098.	2.5	12
15	Complexes of Alkali Metal Cations and Molecular Hydrogen: Potential Energy Surfaces and Bound States. Journal of Physical Chemistry A, 2019, 123, 8397-8405.	2.5	5
16	A combined experimental and theoretical investigation of Cs+ ions solvated in He $\langle i \rangle N \langle  i \rangle$ clusters. Journal of Chemical Physics, 2019, 150, 154304.	3.0	17
17	$N2+(2\hat{1}\pm g)$ and $Rb(2S)$ in a hybrid trap: modeling ion losses from radiative association paths. Physical Chemistry Chemical Physics, 2019, 21, 8342-8351.	2.8	3
18	Dynamics of H + HeH $<$ sup $>+sup>(>=0, >=0) → H<sub>2sub><sup>+sup>+sup>+ He: Insight on the Possible Complex-Forming Behavior of the Reaction. Journal of Physical Chemistry A, 2019, 123, 10480-10489.$	2.5	7

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19	A combined theoretical and experimental investigation of the kinetics and dynamics of the $O(\langle sup \rangle 1 \langle sup \rangle) + D\langle sub \rangle 2 \langle sub \rangle$ reaction at low temperature. Physical Chemistry Chemical Physics, 2018, 20, 4404-4414.	2.8	21
20	Limitations of a Theoretical Method to Calculate the Rovibrational Spectrum of Trimers: H $\$^+_3$ 3 +. Few-Body Systems, 2018, 59, 1.	1.5	3
21	Theoretical methods for the rotation–vibration spectra of triatomic molecules: distributed Gaussian functions compared with hyperspherical coordinates. International Reviews in Physical Chemistry, 2018, 37, 329-361.	2.3	4
22	The dynamics of the $C(1 < i > D < /i >) + H2/D2/HD$ reactions at low temperature. Journal of Chemical Physics, 2018, 148, 234305.	3.0	20
23	Symmetry analysis of trimers rovibrational spectra: the case of Ne3. European Physical Journal D, 2018, 72, 1.	1.3	3
24	Lithium ions solvated in helium. Physical Chemistry Chemical Physics, 2018, 20, 25569-25576.	2.8	25
25	Formation of rubidium dimers on the surface of helium clusters: a first step through quantum molecular dynamics simulations. European Physical Journal D, 2018, 72, 1.	1.3	22
26	Comparative investigation of pure and mixed rare gas atoms on coronene molecules. Journal of Chemical Physics, 2017, 146, 034302.	3.0	16
27	Adsorption of molecular hydrogen on coronene with a new potential energy surface. Physical Chemistry Chemical Physics, 2017, 19, 26358-26368.	2.8	22
28	Scattering study of the Ne + NeH+( $\langle i\rangle v\langle i\rangle = 0$ , $\langle i\rangle j\langle i\rangle = 0$ ) $\hat{a}^{\dagger}$ NeH+ + Ne reaction on an $\langle i\rangle ab$ initio $\langle i\rangle$ based analytical potential energy surface. Journal of Chemical Physics, 2016, 144, 034303.	3.0	18
29	Examination of the Feynman–Hibbs Approach in the Study of Ne <sub><i>N</i></sub> -Coronene Clusters at Low Temperatures. Journal of Physical Chemistry A, 2016, 120, 5370-5379.	2.5	16
30	Capture approximations beyond a statistical quantum mechanical method for atom-diatom reactions. European Physical Journal D, 2016, 70, 1.	1.3	1
31	Path integral Monte Carlo investigations on doped helium clusters. International Reviews in Physical Chemistry, 2016, 35, 37-68.	2.3	22
32	State-to-State Dynamics of the Ne + HeH <sup>+</sup> ( <i>&gt;∨</i> = 0, <i>j</i> = 0) → NeH <sup>+</sup> ( <i>∨</i> 倲, <i>j</i> 倲) + He Reaction. Journal of Physical Chemistry A, 2016, 120, 4731-474.	$1^{2.5}$	15
33	Coronene molecules in helium clusters: Quantum and classical studies of energies and configurations. Journal of Chemical Physics, 2015, 143, 224306.	3.0	28
34	A configurational study of helium clusters doped with Heâ^—â^' and He2â^—â^'. Journal of Chemical Physics, 2015, 142, 104303.	3.0	8
35	Quantum, Statistical, and Quasiclassical Trajectory Studies For the Ne + HeH <sup>+</sup> â†' NeH <sup>+</sup> + He Reaction on the Ground Electronic State. Journal of Physical Chemistry A, 2015, 119, 12052-12061.	2.5	9
36	Quantum Features of Anionic Species He <sup>*–</sup> and He <sub>2</sub> <sup>*–</sup> in Small He <sub><i>N</i></sub> Clusters. Journal of Physical Chemistry A, 2015, 119, 11574-11582.	2.5	5

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37	Variational and Path Integral Monte Carlo calculations on Helium Clusters Doped with Metastable Anions He*- and He2* Journal of Physics: Conference Series, 2015, 635, 072009.	0.4	O
38	Ultracold chemistry with alkali-metal–rare-earth molecules. Physical Review A, 2015, 91, .	2.5	29
39	Reactive scattering calculations for 87Rb+87RbHe→Rb2(3Σu+,v)+He from ultralow to intermediate energies. Journal of Chemical Physics, 2015, 142, 164304.	3.0	8
40	The H <sup>+â€%</sup> +â€%H <sub>2</sub> reaction. International Reviews in Physical Chemistry, 2014, 33, 371-395.	2.3	24
41	Path integral Monte Carlo calculations of calciumâ€doped <sup>4</sup> He clusters. International Journal of Quantum Chemistry, 2014, 114, 1318-1326.	2.0	4
42	Wave packet and statistical quantum calculations for the He + NeH+ â†' HeH+ + Ne reaction on the ground electronic state. Journal of Chemical Physics, 2014, 141, 114302.	3.0	18
43	The D <sup>+</sup> + H <sub>2</sub> Reaction: Differential and Integral Cross Sections at Low Energy and Rate Constants at Low Temperature. Journal of Physical Chemistry A, 2014, 118, 6416-6424.	2.5	20
44	Quantum rotation of Rb2 (3 $\hat{l}$ £ u + ) attached to HeN droplets: a path-integral Monte Carlo study. European Physical Journal D, 2013, 67, 1.	1.3	10
45	Quasiclassical Trajectory and Statistical Quantum Calculations for the C + OH → CO + H Reaction on the First Excited 1 <sup>2</sup> A″ Potential Energy Surface. Journal of Physical Chemistry A, 2013, 117, 1872-1879.	2.5	4
46	Dynamics of the D+ + H2 $\hat{a}$ †' HD + H+ reaction at the low energy regime by means of a statistical quantum method. Journal of Chemical Physics, 2013, 139, 054301.	3.0	26
47	Ortho-H <sub>2</sub> and the age of prestellar cores. Astronomy and Astrophysics, 2013, 551, A38.	5.1	59
48	Weakly bound finite systems: (4He)N–Rb2(3Σu), clustering structures from a quantum Monte Carlo approach. Journal of Physics Condensed Matter, 2012, 24, 104014.	1.8	4
49	An accurate study of the dynamics of the C+OH reaction on the second excited 14A″ potential energy surface. Journal of Chemical Physics, 2012, 136, 164309.	3.0	8
50	Binding energies and structures of Ca-He <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> weakly bound triatomic complexes. Physical Review A, 2012, 86, .	2.5	9
51	Comment on "Weakly bound states of the He-He-Ca triatomic system― Physical Review A, 2012, 86, .	2.5	2
52	H <sub>2</sub> , H <sub>3</sub> <sup>+</sup> and the age of molecular clouds and prestellar cores. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5200-5212.	3.4	15
53	Spin-Polarized Rb <sub>2</sub> Interacting with Bosonic He Atoms: Potential Energy Surface and Quantum Structures of Small Clusters. Journal of Physical Chemistry A, 2012, 116, 2394-2404.	2.5	19
54	Helium aggregates doped with alkali dimer impurities: A finite temperature study of complexes. Computational and Theoretical Chemistry, 2012, 990, 106-111.	2.5	10

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55	Communication: Quantum Zeno-based control mechanism for molecular fragmentation. Journal of Chemical Physics, 2012, 136, 121101.	3.0	4
56	Binding weakly interacting partners: a study of Caâ $\in$ "He2 and its isotopomers. European Physical Journal D, 2012, 66, 1.	1.3	8
57	Investigating transition state resonances in the time domain by means of Bohmian mechanics: The F+HD reaction. Chemical Physics, 2012, 399, 151-161.	1.9	9
58	Quantum Zeno effect: Quantum shuffling and Markovianity. Annals of Physics, 2012, 327, 1277-1289.	2.8	5
59	Energy dependent dynamics of the $O(1D)$ + HCl reaction: A quantum, quasiclassical and statistical study. Physical Chemistry Chemical Physics, 2011, 13, 8502.	2.8	13
60	Quantum mechanical study of the proton exchange in the ortho–para H2 conversion reaction at low temperature. Physical Chemistry Chemical Physics, 2011, 13, 19089.	2.8	22
61	The O(1D) + H2 (X 1Σ+, v, j) → OH(X 2Î, v′, j′) + H(2S) reaction at low collision energy: when a sim description of the dynamics works. Physical Chemistry Chemical Physics, 2011, 13, 8136.	iple statist 2.8	tical 11
62	Quantum Features of a Barely Bound Molecular Dopant: $Cs < sub > 2 < / sub > ( < sup > 3 < / sup > î£ < sub > u < / sub > )$ in Bosonic Helium Droplets of Variable Size. Journal of Physical Chemistry A, 2011, 115, 6892-6902.	2.5	19
63	Temperature dependence of the energetics and structure for the Ar dimer and trimer. International Journal of Quantum Chemistry, 2011, 111, 472-479.	2.0	1
64	Diffusion Monte Carlo description of Cs <sub>2</sub> ( <sup>3î£<sub><i>u</i>&gt;</sub>)–(<sup>4</sup>He)<sub><i>N</i></sub>clusters: an example of weak dopant–helium interaction. Physica Scripta, 2011, 84, 028107.</sup>	2.5	6
65	display="inline"> <mml:mi>O</mml:mi> <mml:mi>r</mml:mi> <mml:mi>t</mml:mi> <mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi><mml:mi< td=""><td>oi<sub>2</sub>a<td>ni&gt;<mml:mt !mi&gt;62</mml:mt </td></td></mml:mi<></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi></mml:mi>	oi <sub>2</sub> a <td>ni&gt;<mml:mt !mi&gt;62</mml:mt </td>	ni> <mml:mt !mi&gt;62</mml:mt 
66	Proton Exchange at Low Temperature: An Accu. Physical Review Letters, 2011, 107, 023201.  A path-integral Monte Carlo study of a small cluster: The Ar trimer. Journal of Chemical Physics, 2010, 132, 244303.	3.0	15
67	Nonadiabatic State-to-State Reactive Collisions among Open Shell Reactants with Conical Intersections: The $OH(\langle \sup \rangle 2 \langle  \sup \rangle \hat{I}) + F(\langle \sup \rangle 2 \langle  \sup \rangle P)$ Example. Journal of Physical Chemistry A, 2010, 114, 9733-9742.	2.5	22
68	Binding He atoms to hydrogen moieties: quantum features from ultraweak interactions. Molecular Physics, 2010, 108, 57-72.	1.7	2
69	Effects of the rotational excitation of D2 and of the potential energy surface on the H++D2â†'HD+D+ reaction. Journal of Chemical Physics, 2009, 131, 044315.	3.0	29
70	Differential Cross Sections and Product Rotational Polarization in A + BC Reactions Using Wave Packet Methods: H <sup>+</sup> + D <sub>2</sub> and Li + HF Examples. Journal of Physical Chemistry A, 2009, 113, 14488-14501.	2.5	86
71	A Study of the Ar3 System at Low Temperature. Few-Body Systems, 2009, 45, 237-239.	1.5	3
72	A theoretical investigation on the spectrum of the Ar trimer for high rotational excitations. Journal of Chemical Physics, 2009, 130, 154301.	3.0	18

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73	On the statistical behavior of the O+OH→H+O2 reaction: A comparison between quasiclassical trajectory, quantum scattering, and statistical calculations. Journal of Chemical Physics, 2009, 130, 184301.	3.0	45
74	The Dynamics of the $O(1D)$ + HCl $\hat{a}$ †' OH + Cl Reaction at a 0.26 eV Collision Energy: A Comparison between Theory and Experiment. Journal of Physical Chemistry A, 2009, 113, 14237-14250.	2.5	14
<b>7</b> 5	On the Differential Cross Sections in Complex-Forming Atom–Diatom Reactive Collisions. Progress in Theoretical Chemistry and Physics, 2009, , 47-66.	0.2	1
76	Symmetry assignment in the distributed Gaussian functions method to study homonuclear rotating trimers. Chemical Physics Letters, 2008, 460, 417-422.	2.6	9
77	On the features of statistical behaviour of the O(3P)+HCl( $\nu$ = 2, $j$ = 1,6,9) → OH + Cl reaction. European Physical Journal D, 2008, 47, 181-189.	1.3	3
78	Study of the H+O2 reaction by means of quantum mechanical and statistical approaches: The dynamics on two different potential energy surfaces. Journal of Chemical Physics, 2008, 128, 244308.	3.0	32
79	On the dynamics of the H++D2(v=0,j=0)â†'HD+D+ reaction: A comparison between theory and experiment. Journal of Chemical Physics, 2008, 128, 014304.	3.0	57
80	A comparative study of the Si+O2â†'SiO+O reaction dynamics from quasiclassical trajectory and statistical based methods. Journal of Chemical Physics, 2008, 128, 174307.	3.0	21
81	A comparison of quantum and quasiclassical statistical models for reactions of electronically excited atoms with molecular hydrogen. Journal of Chemical Physics, 2008, 129, 094305.	3.0	51
82	A statistical quasiclassical trajectory model for atom-diatom insertion reactions. Journal of Chemical Physics, 2007, 126, 161101.	3.0	58
83	Stringent test of the statistical quasiclassical trajectory model for the H3+ exchange reaction: A comparison with rigorous statistical quantum mechanical results. Journal of Chemical Physics, 2007, 127, 174109.	3.0	44
84	Time dependent wave packet and statistical calculations on the H $\pm$ O2reaction. Physical Chemistry Chemical Physics, 2007, 9, 1127-1137.	2.8	35
85	Statistical quantum studies on insertion atom–diatom reactions. International Reviews in Physical Chemistry, 2007, 26, 29-91.	2.3	104
86	Vibrational and rotational bound states in floppy triatomic systems: The distributed Gaussian functions approach. Physics Reports, 2007, 452, 1-32.	25.6	22
87	Potential energy surfaces and dynamics of He n Br2 van der Waals complexes. Progress in Theoretical Chemistry and Physics, 2007, , 193-202.	0.2	O
88	Experimental and Theoretical Differential Cross Sections for the N(2D) + H2Reactionâ€. Journal of Physical Chemistry A, 2006, 110, 817-829.	2.5	95
89	Parity conservation and polarization of differential cross sections in complex-forming chemical reactions. Physical Chemistry Chemical Physics, 2006, 8, 3951-3954.	2.8	30
90	Rovibrational Structures in Floppy Triatomics: Distributed Gaussian Functions Treatment for the Ne2H-Systemâ€. Journal of Physical Chemistry A, 2006, 110, 5487-5494.	2.5	8

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91	A detailed quantum mechanical and quasiclassical trajectory study on the dynamics of the H++H2→H2+H+ exchange reaction. Journal of Chemical Physics, 2006, 125, 094314.	3.0	70
92	STRUCTURE AND DYNAMICS OF VAN DER WAALS COMPLEXES: FROM TRIATOMIC TO MEDIUM SIZE CLUSTERS. , 2006, , .		0
93	Influence of rotation and isotope effects on the dynamics of the N(D2)+H2 reactive system and of its deuterated variants. Journal of Chemical Physics, 2005, 123, 224301.	3.0	47
94	The binding of He4 and He3 to a hydrogen molecule: A computational study for pH2 and oH2. Journal of Chemical Physics, 2005, 122, 084308.	3.0	20
95	A complete configurational study for the bound states of Ne trimers. Journal of Chemical Physics, 2005, 122, 084313.	3.0	21
96	Quantum approaches for the insertion dynamics of the H++D2 and D++H2 reactive collisions. Journal of Chemical Physics, 2005, 123, 194309.	3.0	61
97	Quasiclassical determination of reaction probabilities as a function of the total angular momentum. Journal of Chemical Physics, 2005, 123, 094101.	3.0	47
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