

Richard D Thomas

List of Publications by Year in descending order

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60
papers

1,135
citations

430874

18
h-index

395702

33
g-index

60
all docs

60
docs citations

60
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	A localized view on molecular dissociation via electron-ion partial covariance. Communications Chemistry, 2022, 5, .	4.5	10
2	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 054301.	3.1	26
3	A field ionizer for photodetachment studies of negative ions. Review of Scientific Instruments, 2022, 93, .	1.3	1
4	Storage-ring study of the mutual neutralization of N^+ with O^- . Final-state-resolved, mutual neutralization of N^+ and O^- . Physical Review A, 2022, 105, .	2.5	4
5	Storage-ring study of the mutual neutralization of Na^+ and D^- . Physical Review A, 2021, 103, .	2.5	13
6	Mutual neutralisation of O^+ with O^{\wedge} : investigation of the role of metastable ions in a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 24607-24616.	2.8	5
7	Non-covalently bonded diastereomeric adducts of amino acids and (S)-1-phenylethanol in low-energy dissociative collisions. Molecular Physics, 2020, 118, 1615145.	1.7	1
8	Negative ion relaxation and reactions in a cryogenic storage ring. Journal of Physics: Conference Series, 2020, 1412, 062006.	0.4	1
9	Cryogenic ion-gas beam experiments in DESIREE: Final-state-resolved mutual neutralization of Li^+ and D^- . Physical Review A, 2020, 102, .	2.5	18
10	Photoionization Dynamics of the Tetraoxo Complexes OsO_4 and RuO_4 . Inorganic Chemistry, 2020, 59, 7274-7282.	4.0	2
11	Time-Resolved Photoelectron Spectroscopy Studies of Isoxazole and Oxazole. Journal of Physical Chemistry A, 2020, 124, 3984-3992.	2.5	10
12	Competition between ring-puckering and ring-opening excited state reactions exemplified on 5H-furan-2-one and derivatives. Journal of Chemical Physics, 2020, 152, 064301.	3.0	8
13	Time-Resolved Photoelectron Studies of Thiophene and 2,5-Dimethylthiophene. Journal of Physical Chemistry A, 2018, 122, 8809-8818.	2.5	1
14	The ring-opening channel and the influence of Rydberg states on the excited state dynamics of furan and its derivatives. Journal of Chemical Physics, 2018, 149, 084303.	3.0	7
15	Dissociation kinetics of excited ions: PEPICO measurements of $Os_3(CO)_{12}^{\wedge}$ The 7-35 eV single ionization binding energy region. Journal of Chemical Physics, 2018, 148, 084301.	3.0	1
16	Substituent effects on the relaxation dynamics of furan, furfural and \hat{I}^2 -furfural: a combined theoretical and experimental approach. Physical Chemistry Chemical Physics, 2017, 19, 2025-2035.	2.8	19
17	Chirally sensitive collision induced dissociation of proton-bound diastereomeric complexes of tryptophan and 2-butanol. Chirality, 2017, 29, 115-119.	2.6	5
18	Dynamics in higher lying excited states: Valence to Rydberg transitions in the relaxation paths of pyrrole and methylated derivatives. Journal of Chemical Physics, 2017, 146, 144307.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Low-Energy Collisions of Protonated Enantiopure Amino Acids with Chiral Target Gases. Journal of the American Society for Mass Spectrometry, 2017, 28, 2686-2691.	2.8	7
20	Rotationally Cold OH^+ molecular ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. Physical Review Letters, 2017, 119, 073001.	7.8	41
21	Rotationally cold ($> 99\% J = 0$) OH^+ molecular ions in a cryogenic storage ring. Journal of Physics: Conference Series, 2017, 875, 012016.	0.4	1
22	Lifetimes of bound excited states of Pt^+ . Journal of Physics: Conference Series, 2017, 875, 022051.	0.4	1
23	Excited state dynamics of acrylonitrile: Substituent effects at conical intersections interrogated via time-resolved photoelectron spectroscopy and ab initio simulation. Journal of Chemical Physics, 2016, 145, 114306.	3.0	17
24	Radiative lifetimes of the bound excited states of Pt^+ . Physical Review A, 2016, 94, .	0.4	1
25	Lifetime of the bound excited level in Ni^+ . Physical Review A, 2016, 93, .	0.4	1
26	Cyclohexadiene Revisited: A Time-Resolved Photoelectron Spectroscopy and <i>ab Initio</i> Study. Journal of Physical Chemistry A, 2016, 120, 2320-2329.	2.5	42
27	Influence of Alkoxy Groups on the Photoinduced Dynamics of Organic Molecules Exemplified on Alkyl Vinyl Ethers. Journal of Physical Chemistry A, 2015, 119, 11105-11112.	2.5	10
28	Radiative cooling of hot C_2H^+ and C_2H_2^+ molecules. Journal of Physics: Conference Series, 2015, 635, 112124.	0.4	0
29	Storing keV negative ions for hours: Lifetime measurements in new time domains. Journal of Physics: Conference Series, 2015, 635, 112119.	0.4	0
30	Measuring the $^2\text{D}_{3/2}\text{Ni}^+$ excited state lifetime in DESIREE. Journal of Physics: Conference Series, 2015, 635, 092142.	0.4	1
31	Storing keV Negative Ions for an Hour: The Lifetime of the Metastable P^- . Physical Review Letters, 2015, 115, 073001.	7.8	53
32	High-energy collisions of protonated enantiopure amino acids with a chiral target gas. International Journal of Mass Spectrometry, 2015, 388, 59-64.	1.5	6
33	Covariance mapping of two-photon double core hole states in C_2H_2 and C_2H_6 produced by an x-ray free electron laser. New Journal of Physics, 2015, 17, 073002.	2.9	28
34	First results from the Double ElectroStatic Ion-Ring Experiment, DESIREE. Journal of Physics: Conference Series, 2014, 488, 092003.	0.4	1
35	Commissioning of the DESIREE storage rings at a new facility for cold ion-ion collisions. Journal of Physics: Conference Series, 2014, 488, 012040.	0.4	2
36	Dynamics of Hollow Atom Formation in Intense X-Ray Pulses Probed by Partial Covariance Mapping. Physical Review Letters, 2013, 111, 073002.	7.8	83

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55	Dissociative Recombination of CD 3 OD 2 +. Proceedings of the International Astronomical Union, 2005, 1, 117.	0.0	5
56	Electron-impact fragmentation of Cl ₂ ⁺ . Physical Review A, 2005, 72, .	2.5	6
57	Dissociative recombination study of at CRYRING: absolute cross-section, chemical branching ratios and three-body fragmentation dynamics. Molecular Physics, 2005, 103, 2735-2745.	1.7	9
58	Dissociative recombination of C ₂ H ⁺ and C ₂ H ₄ ⁺ : Absolute cross sections and product branching ratios. Physical Chemistry Chemical Physics, 2004, 6, 949.	2.8	32
59	Investigating the three-body fragmentation dynamics of water via dissociative recombination and theoretical modeling calculations. Physical Review A, 2002, 66, .	2.5	28
60	Three-body reaction dynamics in electron-ion dissociative recombination. Physical Chemistry Chemical Physics, 2001, 3, 4471-4480.	2.8	55