

# Andrew J Orr-Ewing

## List of Publications by Year in descending order

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226  
papers

7,991  
citations

50276

46  
h-index

76900

74  
g-index

236  
all docs

236  
docs citations

236  
times ranked

4773  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Venue for Advances in Experimental and Theoretical Methods in Physical Chemistry. Journal of Physical Chemistry A, 2022, 126, 177-179.	2.5	0
2	Enantioselective one-carbon expansion of aromatic rings by simultaneous formation and chromoselective irradiation of a transient coloured enolate. Chemical Science, 2022, 13, 2079-2085.	7.4	6
3	Direct Spectroscopic Quantification of the Absorption and Scattering Properties for Single Aerosol Particles. Journal of Physical Chemistry A, 2022, 126, 1571-1577.	2.5	7
4	Accurate Measurement of the Optical Properties of Single Aerosol Particles Using Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2022, 126, 2619-2631.	2.5	9
5	Direct Observation of the Dynamics of Ylide Solvation by Hydrogen-bond Donors Using Time-Resolved Infrared Spectroscopy. Journal of the American Chemical Society, 2022, 144, 9330-9343.	13.7	3
6	Influence of the Solvent Environment on the Ultrafast Relaxation Pathways of a Sunscreen Molecule Diethylamino Hydroxybenzoyl Hexyl Benzoate. Journal of Physical Chemistry A, 2021, 125, 636-645.	2.5	20
7	Singlet and Triplet Contributions to the Excited-State Activities of Dihydrophenazine, Phenoxazine, and Phenothiazine Organocatalysts Used in Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2021, 143, 3613-3627.	13.7	39
8	Investigation of the Production of Trifluoroacetic Acid from Two Halocarbons, HFC-134a and HFO-1234yf and Its Fates Using a Global Three-Dimensional Chemical Transport Model. ACS Earth and Space Chemistry, 2021, 5, 849-857.	2.7	19
9	Tuning the Excited-State Dynamics of Acetophenone Using Metal Ions in Solution. Journal of Physical Chemistry Letters, 2021, 12, 5473-5478.	4.6	9
10	Structure-Dependent Electron Transfer Rates for Dihydrophenazine, Phenoxazine, and Phenothiazine Photoredox Catalysts Employed in Atom Transfer Radical Polymerization. Journal of Physical Chemistry B, 2021, 125, 7840-7854.	2.6	22
11	Transient absorption spectroscopy of the electron transfer step in the photochemically activated polymerizations of <i>N</i> -ethylcarbazole and 9-phenylcarbazole. Physical Chemistry Chemical Physics, 2021, 23, 18378-18392.	2.8	5
12	Optical Interrogation of Single Levitated Droplets in a Linear Quadrupole Trap by Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 394-405.	2.5	8
13	Direct Observation of Reactive Intermediates by Time-Resolved Spectroscopy Unravels the Mechanism of a Radical-Induced 1,2-Metalate Rearrangement. Journal of the American Chemical Society, 2021, 143, 17191-17199.	13.7	20
14	Solvent Effects on Ultrafast Photochemical Pathways. Accounts of Chemical Research, 2021, 54, 4383-4394.	15.6	21
15	Virtual Issue in Atmospheric Chemistry Research. Journal of Physical Chemistry A, 2020, 124, 5697-5699.	2.5	3
16	Criegee intermediates: production, detection and reactivity. International Reviews in Physical Chemistry, 2020, 39, 385-424.	2.3	56
17	Impact of Criegee Intermediate Reactions with Peroxy Radicals on Tropospheric Organic Aerosol. ACS Earth and Space Chemistry, 2020, 4, 1743-1755.	2.7	16
18	Virtual Issue in Atmospheric Chemistry Research. ACS Earth and Space Chemistry, 2020, 4, 958-960.	2.7	0

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19	Effects of ring-strain on the ultrafast photochemistry of cyclic ketones. <i>Chemical Science</i> , 2020, 11, 1991-2000.	7.4	18
20	Investigating the Atmospheric Sources and Sinks of Perfluorooctanoic Acid Using a Global Chemistry Transport Model. <i>Atmosphere</i> , 2020, 11, 407.	2.3	7
21	Direct Observation of Ylide and Enol Intermediates Formed in Competition with Wolff Rearrangement of Photoexcited Ethyl Diazoacetate. <i>Journal of the American Chemical Society</i> , 2020, 142, 7836-7844.	13.7	12
22	Mapping the multi-step mechanism of a photoredox catalyzed atom-transfer radical polymerization reaction by direct observation of the reactive intermediates. <i>Chemical Science</i> , 2020, 11, 4475-4481.	7.4	28
23	Solvent-dependent photochemical dynamics of a phenoxazine-based photoredox catalyst. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1475-1494.	2.8	10
24	Picosecond to millisecond tracking of a photocatalytic decarboxylation reaction provides direct mechanistic insights. <i>Nature Communications</i> , 2019, 10, 5152.	12.8	24
25	Observation of Rainbows in the Rotationally Inelastic Scattering of NO with CH <sub>4</sub> . <i>Journal of Physical Chemistry A</i> , 2019, 123, 7758-7767.	2.5	6
26	Direct Kinetic and Atmospheric Modeling Studies of Criegee Intermediate Reactions with Acetone. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2363-2371.	2.7	34
27	Photochemistry of Benzophenone in Solution: A Tale of Two Different Solvent Environments. <i>Journal of the American Chemical Society</i> , 2019, 141, 15222-15229.	13.7	19
28	Perspective: How can ultrafast laser spectroscopy inform the design of new organic photoredox catalysts for chemical and materials synthesis?. <i>Structural Dynamics</i> , 2019, 6, 010901.	2.3	18
29	Experimental and computational studies of Criegee intermediate reactions with NH <sub>3</sub> and CH <sub>3</sub> NH <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14042-14052.	2.8	46
30	Photodissociation and reaction dynamics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13878-13879.	2.8	0
31	The impact of bath gas composition on the calibration of photoacoustic spectrometers with ozone at discrete visible wavelengths spanning the Chappuis band. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2371-2385.	3.1	13
32	Collision Energy Dependence of the Competing Mechanisms of Reaction of Chlorine Atoms with Propene. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2679-2686.	2.5	5
33	Electronic Relaxation Dynamics of UV-Photoexcited 2-Aminopurine "Thymine Base Pairs in Watson "Crick and Hoogsteen Conformations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2904-2914.	2.6	7
34	Ultrafast Observation of a Photoredox Reaction Mechanism: Photoinitiation in Organocatalyzed Atom-Transfer Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2018, 140, 1285-1293.	13.7	94
35	Intermolecular Hydrogen Bonding Controlled Intersystem Crossing Rates of Benzophenone. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1642-1648.	4.6	27
36	Accuracy Required in Measurements of Refractive Index and Hygroscopic Response to Reduce Uncertainties in Estimates of Aerosol Radiative Forcing Efficiency. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6469-6486.	3.3	21

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37	Investigating the Tropospheric Chemistry of Acetic Acid Using the Global 3D Chemistry Transport Model, STOCHEM-CRI. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6267-6281.	3.3	19
38	Criegee Intermediate Reactions with Carboxylic Acids: A Potential Source of Secondary Organic Aerosol in the Atmosphere. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 833-842.	2.7	102
39	Resolving the excited state relaxation dynamics of guanosine monomers and hydrogen-bonded homodimers in chloroform solution. <i>Chemical Physics</i> , 2018, 515, 480-492.	1.9	2
40	Efficient intersystem crossing in 2-aminopurine riboside probed by femtosecond time-resolved transient vibrational absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20033-20042.	2.8	3
41	Accurate representations of the physicochemical properties of atmospheric aerosols: when are laboratory measurements of value?. <i>Faraday Discussions</i> , 2017, 200, 639-661.	3.2	23
42	Unravelling the mechanisms of vibrational relaxation in solution. <i>Chemical Science</i> , 2017, 8, 3062-3069.	7.4	19
43	Femtosecond to microsecond observation of the photochemical reaction of 1,2-di(quinolin-2-yl)disulfide with methyl methacrylate. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12981-12991.	2.8	18
44	Is UV-Induced Electron-Driven Proton Transfer Active in a Chemically Modified A•T DNA Base Pair?. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4448-4455.	2.6	24
45	Temperature-Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. <i>Angewandte Chemie</i> , 2017, 129, 9172-9175.	2.0	5
46	Temperature-Dependence of the Rates of Reaction of Trifluoroacetic Acid with Criegee Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9044-9047.	13.8	62
47	Conformer-specific geminate recombination following methyl nitrite photolysis in solution. <i>Chemical Physics Letters</i> , 2017, 683, 416-420.	2.6	3
48	Primary vs. secondary H-atom abstraction in the Cl-atom reaction with n-pentane. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1614-1626.	2.8	8
49	Spin Changes Accompany Ultrafast Structural Interconversion in the Ground State of a Cobalt Nitrosyl Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13713-13716.	13.8	14
50	Evidence for a Double Well in the First Triplet Excited State of 2-Thiouracil. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9274-9280.	2.6	24
51	Measurements of the Imaginary Component of the Refractive Index of Weakly Absorbing Single Aerosol Particles. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5700-5710.	2.5	19
52	Criegee Intermediate-Alcohol Reactions, A Potential Source of Functionalized Hydroperoxides in the Atmosphere. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 664-672.	2.7	104
53	Taking the plunge: chemical reaction dynamics in liquids. <i>Chemical Society Reviews</i> , 2017, 46, 7597-7614.	38.1	40
54	Direct Measurements of Unimolecular and Bimolecular Reaction Kinetics of the Criegee Intermediate (CH <sub>3</sub> ) <sub>2</sub> COO. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4-15.	2.5	87

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55	A complete parameterisation of the relative humidity and wavelength dependence of the refractive index of hygroscopic inorganic aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9837-9851.	4.9	51
56	Spin Changes Accompany Ultrafast Structural Interconversion in the Ground State of a Cobalt Nitrosyl Complex. <i>Angewandte Chemie</i> , 2017, 129, 13901-13904.	2.0	5
57	Vibrational and condensed phase dynamics: general discussion. <i>Faraday Discussions</i> , 2016, 194, 747-775.	3.2	1
58	Evidence for concerted ring opening and C-Br bond breaking in UV-excited bromocyclopropane. <i>Journal of Chemical Physics</i> , 2016, 144, 244312.	3.0	5
59	The Study of Reactive Intermediates in Condensed Phases. <i>Journal of the American Chemical Society</i> , 2016, 138, 4695-4705.	13.7	78
60	Photochemical reaction dynamics of 2,2-dithiobis(benzothiazole): direct observation of the addition product of an aromatic thiyl radical to an alkene with time-resolved vibrational and electronic absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12115-12127.	2.8	11
61	Triplet state formation and quenching dynamics of 2-mercaptobenzothiazole in solution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26224-26235.	2.8	14
62	Direct comparison of 3-centre and 4-centre HBr elimination pathways in methyl-substituted vinyl bromides. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28353-28364.	2.8	2
63	Assessing the accuracy of complex refractive index retrievals from single aerosol particle cavity ring-down spectroscopy. <i>Aerosol Science and Technology</i> , 2016, 50, 1077-1095.	3.1	25
64	Translational, rotational and vibrational relaxation dynamics of a solute molecule in a non-interacting solvent. <i>Nature Chemistry</i> , 2016, 8, 1042-1046.	13.6	16
65	Probing the excited state relaxation dynamics of pyrimidine nucleosides in chloroform solution. <i>Faraday Discussions</i> , 2016, 194, 683-708.	3.2	31
66	Distinguishing Population and Coherence Transfer Pathways in a Metal Dicarbonyl Complex Using Pulse-Shaped Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4125-4130.	2.6	19
67	Dynamical Effects and Product Distributions in Simulated CN + Methane Reactions. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4672-4682.	2.5	6
68	Contrasting ring-opening propensities in UV-excited 1-pyrone and coumarin. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2629-2638.	2.8	32
69	Ultraviolet Absorption Induces Hydrogen Atom Transfer in Watson-Crick DNA Base Pairs in Solution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14719-14722.	13.8	54
70	Computational Study of Competition between Direct Abstraction and Addition-Elimination in the Reaction of Cl Atoms with Propene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9452-9464.	2.5	15
71	Extinction cross section measurements for a single optically trapped particle. <i>Proceedings of SPIE</i> , 2015, , .	0.8	5
72	Optical extinction efficiency measurements on fine and accumulation mode aerosol using single particle cavity ring-down spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15843-15856.	2.8	35

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73	Reaction Dynamics of CN Radicals in Acetonitrile Solutions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12924-12934.	2.5	8
74	Rotationally inelastic scattering of ND <sub>3</sub> with H <sub>2</sub> as a probe of the intermolecular potential energy surface. <i>Molecular Physics</i> , 2015, 113, 3925-3933.	1.7	18
75	Recombination, Solvation and Reaction of CN Radicals Following Ultraviolet Photolysis of ICN in Organic Solvents. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12911-12923.	2.5	13
76	Empirical Valence Bond Theory Studies of the CH <sub>4</sub> + Cl <sup>+</sup> CH <sub>3</sub> + HCl Reaction. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9590-9598.	2.5	11
77	UV-Induced Isomerization Dynamics of <i>N</i> -Methyl-2-pyridone in Solution. <i>Journal of Physical Chemistry A</i> , 2015, 119, 88-94.	2.5	10
78	Rotationally Inelastic Scattering of Quantum-State-Selected ND <sub>3</sub> with Ar. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5979-5987.	2.5	10
79	Vibrational relaxation and microsolvation of DF after F-atom reactions in polar solvents. <i>Science</i> , 2015, 347, 530-533.	12.6	46
80	Probing the Ultrafast Energy Dissipation Mechanism of the Sunscreen Oxybenzone after UVA Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1363-1368.	4.6	97
81	Dynamics of Bimolecular Reactions in Solution. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 119-141.	10.8	32
82	Rotationally inelastic scattering of methyl radicals with Ar and N <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2015, 142, 014306.	3.0	11
83	Non-equilibrium reaction and relaxation dynamics in a strongly interacting explicit solvent: F + CD <sub>3</sub> CN treated with a parallel multi-state EVB model. <i>Journal of Chemical Physics</i> , 2015, 143, 044120.	3.0	41
84	Vibrational Excitation of Both Products of the Reaction of CN Radicals with Acetone in Solution. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12090-12101.	2.5	6
85	A kinetic study of the CH <sub>2</sub> OO Criegee intermediate self-reaction, reaction with SO <sub>2</sub> and unimolecular reaction using cavity ring-down spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3617-3626.	2.8	115
86	Collision dynamics of symmetric top molecules: A comparison of the rotationally inelastic scattering of CD <sub>3</sub> and ND <sub>3</sub> with He. <i>Journal of Chemical Physics</i> , 2014, 140, 134308.	3.0	10
87	On the Participation of Photoinduced N-H Bond Fission in Aqueous Adenine at 266 and 220 nm: A Combined Ultrafast Transient Electronic and Vibrational Absorption Spectroscopy Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11211-11225.	2.5	69
88	Differential and integral cross sections for the rotationally inelastic scattering of methyl radicals with H <sub>2</sub> and D <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2014, 140, 204318.	3.0	11
89	Aerosol optical chromatography and measurements of light extinction by single particles. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
90	Measurements of the evaporation and hygroscopic response of single fine-mode aerosol particles using a Bessel beam optical trap. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2118-2128.	2.8	48

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91	State-to-state resolved differential cross sections for rotationally inelastic scattering of ND <sub>3</sub> with He. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 477-488.	2.8	25
92	Dynamics of photodissociation of XeF <sub>2</sub> in organic solvents. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16095-16102.	2.8	9
93	Transient UV pump-IR probe investigation of heterocyclic ring-opening dynamics in the solution phase: the role played by nlf* states in the photoinduced reactions of thiophenone and furanone. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21271-21279.	2.8	40
94	Direct and Indirect Hydrogen Abstraction in Cl + Alkene Reactions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5595-5607.	2.5	23
95	Perspective: Bimolecular chemical reaction dynamics in liquids. <i>Journal of Chemical Physics</i> , 2014, 140, 090901.	3.0	45
96	Deviations from Plane-Wave Mie Scattering and Precise Retrieval of Refractive Index for a Single Spherical Particle in an Optical Cavity. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2083-2088.	2.5	19
97	KOALA: A program for the processing and decomposition of transient spectra. <i>Review of Scientific Instruments</i> , 2014, 85, 064104.	1.3	54
98	Quantum Yields for Photochemical Production of NO <sub>2</sub> from Organic Nitrates at Tropospherically Relevant Wavelengths. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2756-2764.	2.5	7
99	Photoisomerization and Photoinduced Reactions in Liquid CCl <sub>4</sub> and CHCl <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2013, 117, 13388-13398.	2.5	18
100	Rotationally inelastic scattering of CD <sub>3</sub> and CH <sub>3</sub> with He: comparison of velocity map-imaging data with quantum scattering calculations. <i>Chemical Science</i> , 2013, 4, 4199.	7.4	16
101	Comparing molecular photofragmentation dynamics in the gas and liquid phases. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6567.	2.8	68
102	Vibrationally resolved dynamics of the reaction of Cl atoms with 2,3-dimethylbut-2-ene in chlorinated solvents. <i>Chemical Science</i> , 2013, 4, 226-237.	7.4	18
103	Measurements of Light Extinction by Single Aerosol Particles. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1748-1752.	4.6	38
104	Waveguide-enhanced 2D-IR spectroscopy in the gas phase. <i>Optics Letters</i> , 2013, 38, 3596.	3.3	9
105	TDLS 2011. <i>Applied Physics B: Lasers and Optics</i> , 2012, 109, 371-371.	2.2	0
106	Development and application of an optical sensor for ethene in ambient air using near infra-red cavity ring down spectroscopy and sample preconcentration. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3094.	2.1	8
107	Comparison of the Accuracy of Aerosol Refractive Index Measurements from Single Particle and Ensemble Techniques. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8547-8556.	2.5	35
108	Selection and characterization of aerosol particle size using a besseI beam optical trap for single particle analysis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6741.	2.8	49

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109	Stripping down SN2. <i>Nature Chemistry</i> , 2012, 4, 522-523.	13.6	8
110	Vibrationally Quantum-State-Specific Reaction Dynamics of H Atom Abstraction by CN Radical in Solution. <i>Science</i> , 2011, 331, 1423-1426.	12.6	76
111	Chemical Reaction Dynamics in Liquid Solutions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1139-1144.	4.6	28
112	Measurements of Extinction by Aerosol Particles in the Near-Infrared Using Continuous Wave Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 774-783.	2.5	34
113	Ultrafast energy flow in the wake of solution-phase bimolecular reactions. <i>Nature Chemistry</i> , 2011, 3, 850-855.	13.6	65
114	Sources of Error and Uncertainty in the Use of Cavity Ring Down Spectroscopy to Measure Aerosol Optical Properties. <i>Aerosol Science and Technology</i> , 2011, 45, 1360-1375.	3.1	43
115	Product energy deposition of CN + alkane H abstraction reactions in gas and solution phases. <i>Journal of Chemical Physics</i> , 2011, 134, 214508.	3.0	50
116	A quantum cascade laser-based optical feedback cavity-enhanced absorption spectrometer for the simultaneous measurement of CH <sub>4</sub> and N <sub>2</sub> O in air. <i>Applied Physics B: Lasers and Optics</i> , 2011, 102, 879-890.	2.2	63
117	Vibrationally quantum-state-specific dynamics of the reactions of CN radicals with organic molecules in solution. <i>Journal of Chemical Physics</i> , 2011, 134, 244503.	3.0	21
118	Reduced dimensionality spin-orbit dynamics of CH <sub>3</sub> + HCl → CH <sub>4</sub> + Cl on <i>ab initio</i> surfaces. <i>Journal of Chemical Physics</i> , 2011, 134, 204311.	3.0	36
119	Velocity map imaging of the dynamics of the CH <sub>3</sub> + HCl → CH <sub>4</sub> + Cl reaction using a dual molecular beam method. <i>Molecular Physics</i> , 2010, 108, 981-992.	1.7	8
120	Velocity map imaging the dynamics of the reactions of Cl atoms with neopentane and tetramethylsilane. <i>Journal of Chemical Physics</i> , 2010, 132, 244312.	3.0	10
121	Measurements of the wavelength dependent extinction of aerosols by cavity ring down spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3914.	2.8	39
122	NO <sub>2</sub> quantum yields from ultraviolet photodissociation of methyl and isopropyl nitrate. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6084.	2.8	17
123	Influence of Uncertainties in the Diameter and Refractive Index of Calibration Polystyrene Beads on the Retrieval of Aerosol Optical Properties Using Cavity Ring Down Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7077-7084.	2.5	41
124	Longitudinal optical trapping and sizing of aerosol droplets. <i>Optics Express</i> , 2010, 18, 14238.	3.4	35
125	Phase-shift cavity ring-down spectroscopy using mid-IR light from a difference frequency generation PPLN waveguide. <i>Optics Letters</i> , 2010, 35, 1383.	3.3	11
126	Velocity map imaging of the dynamics of bimolecular chemical reactions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9129.	2.8	37

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127	Photodissociation Imaging of Diatomic Sulfur ( $S_2$ ). Journal of Physical Chemistry A, 2009, 113, 14995-15005.	2.5	26
128	First Higher-Order Photocycloaddition to a $C\equiv N$ Bond: 1,3-Diazepines from Maleimides. Angewandte Chemie - International Edition, 2009, 48, 2514-2517.	13.8	24
129	Reaction Control in Synthetic Organic Photochemistry: Switching between [5+2] and [2+2] Modes of Cycloaddition. Angewandte Chemie - International Edition, 2009, 48, 8716-8720.	13.8	32
130	Mid-infrared ethene detection using difference frequency generation in a quasi-phase-matched $LiNbO_3$ waveguide. Applied Optics, 2009, 48, 5696.	2.1	13
131	Optical-Feedback Cavity Ring-Down Spectroscopy Measurements of Extinction by Aerosol Particles. Journal of Physical Chemistry A, 2009, 113, 3963-3972.	2.5	40
132	Trace detection of $C_2H_2$ in ambient air using continuous wave cavity ring-down spectroscopy combined with sample pre-concentration. Applied Physics B: Lasers and Optics, 2008, 90, 1-9.	2.2	24
133	Product Selection through Photon Flux: Laser-Specific Lactone Synthesis. Angewandte Chemie - International Edition, 2008, 47, 2283-2286.	13.8	13
134	Interaction energy of water dimers from pressure broadening of near-IR absorption lines. Chemical Physics Letters, 2008, 462, 188-191.	2.6	14
135	Pressure Broadening of $H_2O$ Absorption Lines in the 1.3 $\mu m$ Region Measured by Continuous Wave-Cavity Ring-Down Spectroscopy: Application in the Trace Detection of Water Vapor in $N_2$ , $SiH_4$ , $CF_4$ , and $PH_3$ . Applied Spectroscopy, 2008, 62, 1354-1362.	2.2	8
136	Ab Initio Molecular Dynamics Study on the Electron Capture Processes of Protonated Methane ( $CH_5^+$ ). Journal of Physical Chemistry A, 2008, 112, 11575-11581.	2.5	38
137	The dynamics of reaction of Cl atoms with tetramethylsilane. Physical Chemistry Chemical Physics, 2008, 10, 1675.	2.8	11
138	Classical Trajectory Study of the Dynamics of the Reaction of Cl Atoms with Ethane. Journal of Physical Chemistry A, 2008, 112, 9387-9395.	2.5	22
139	Automated System for Monitoring Trace $C_2H_2$ in Ambient Air by Cavity Ring-Down Spectroscopy Combined with Sample Preconcentration. Environmental Science & Technology, 2008, 42, 7354-7359.	10.0	13
140	Ultraviolet Photolysis of HCHO: Absolute HCO Quantum Yields by Direct Detection of the HCO Radical Photoproduct. Journal of Physical Chemistry A, 2008, 112, 12437-12448.	2.5	25
141	Adiabatic and nonadiabatic dynamics in the $CH_3(CD_3)+HCl$ reaction. Journal of Chemical Physics, 2008, 128, 184303.	3.0	12
142	Cavity ring-down spectroscopy measurements of single aerosol particle extinction. I. The effect of position of a particle within the laser beam on extinction. Journal of Chemical Physics, 2007, 126, 174302.	3.0	58
143	Cavity ring-down spectroscopy measurement of single aerosol particle extinction. II. Extinction of light by an aerosol particle in an optical cavity excited by a cw laser. Journal of Chemical Physics, 2007, 126, 174303.	3.0	33
144	Imaging the Dynamics of Reactions between Cl Atoms and the Cyclic Ethers Oxirane and Oxetane. Journal of Physical Chemistry A, 2007, 111, 13296-13304.	2.5	13

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145	Imaging the nonadiabatic dynamics of the CH <sub>3</sub> + HCl reaction. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3261.	2.8	17
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