

Sergey A Nizkorodov

List of Publications by Year in descending order

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34493

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#	ARTICLE	IF	CITATIONS
1	Modeling Reactive Ammonia Uptake by Secondary Organic Aerosol in a Changing Climate: A WRF-CMAQ Evaluation. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	2
2	Effect of aromatic ring substituents on the ability of catechol to produce brown carbon in iron(III)-catalyzed reactions. <i>Environmental Science Atmospheres</i> , 2021, 1, 64-78.	0.9	8
3	Quenching of ketone triplet excited states by atmospheric halides. <i>Environmental Science Atmospheres</i> , 2021, 1, 31-44.	0.9	9
4	Emissions Measurements from Household Solid Fuel Use in Haryana, India: Implications for Climate and Health Co-benefits. <i>Environmental Science & Technology</i> , 2021, 55, 3201-3209.	4.6	8
5	Effect of Ammonium Salts on the Decarboxylation of Oxaloacetic Acid in Atmospheric Particles. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 931-940.	1.2	2
6	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. <i>Environmental Science & Technology</i> , 2021, 55, 7786-7793.	4.6	12
7	Naphthalene-Derived Secondary Organic Aerosols Interfacial Photosensitizing Properties. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093465.	1.5	6
8	Stability of α -Pinene and α -Limonene Ozonolysis Secondary Organic Aerosol Compounds Toward Hydrolysis and Hydration. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2555-2564.	1.2	12
9	Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of β -Caryophyllene: Measurements, Predictions, and Implications. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 305-318.	1.2	32
10	Viscosity and liquid-liquid phase separation in healthy and stressed plant SOA. <i>Environmental Science Atmospheres</i> , 2021, 1, 140-153.	0.9	14
11	Superoxide Formation from Aqueous Reactions of Biogenic Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2021, 55, 260-270.	4.6	35
12	Photochemical Degradation of 4-Nitrocatechol and 2,4-Dinitrophenol in a Sugar-Glass Secondary Organic Aerosol Surrogate. <i>Environmental Science & Technology</i> , 2021, 55, 14586-14594.	4.6	16
13	Global Distribution of the Phase State and Mixing Times within Secondary Organic Aerosol Particles in the Troposphere Based on Room-Temperature Viscosity Measurements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3458-3473.	1.2	14
14	Effect of Humidity on the Reactive Uptake of Ammonia and Dimethylamine by Nitrogen-Containing Secondary Organic Aerosol. <i>Atmosphere</i> , 2021, 12, 1502.	1.0	3
15	Open questions on transition metals driving secondary thermal processes in atmospheric aerosols. <i>Communications Chemistry</i> , 2021, 4, .	2.0	9
16	Dust-Catalyzed Oxidative Polymerization of Catechol and Its Impacts on Ice Nucleation Efficiency and Optical Properties. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1127-1139.	1.2	22
17	Composition and volatility of secondary organic aerosol (SOA) formed from oxidation of real tree emissions compared to simplified volatile organic compound (VOC) systems. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5629-5644.	1.9	31
18	Photodegradation of Secondary Organic Aerosols by Long-Term Exposure to Solar Actinic Radiation. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1078-1089.	1.2	17

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19	UVB-irradiated Laboratory-generated Secondary Organic Aerosol Extracts Have Increased Cloud Condensation Nuclei Abilities: Comparison with Dissolved Organic Matter and Implications for the Photomineralization Mechanism. <i>Chimia</i> , 2020, 74, 142.	0.3	4
20	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020, 54, 3114-3120.	4.6	65
21	Molecular composition and photochemical lifetimes of brown carbon chromophores in biomass burning organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1105-1129.	1.9	115
22	Reactive Oxygen Species Production from Secondary Organic Aerosols: The Importance of Singlet Oxygen. <i>Environmental Science & Technology</i> , 2019, 53, 8553-8562.	4.6	36
23	Chemical characterization of nanoparticles and volatiles present in mainstream hookah smoke. <i>Aerosol Science and Technology</i> , 2019, 53, 1023-1039.	1.5	8
24	Aqueous Photochemistry of Secondary Organic Aerosol of α -Pinene and α -Humulene in the Presence of Hydrogen Peroxide or Inorganic Salts. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2736-2746.	1.2	18
25	Insights into the O ₂ :C-dependent mechanisms controlling the evaporation of α -pinene secondary organic aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4061-4073.	1.9	23
26	Impacts of household sources on air pollution at village and regional scales in India. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7719-7742.	1.9	30
27	Formation of Light-Absorbing Organosulfates during Evaporation of Secondary Organic Material Extracts in the Presence of Sulfuric Acid. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 947-957.	1.2	38
28	Effect of Oxalate and Sulfate on Iron-Catalyzed Secondary Brown Carbon Formation. <i>Environmental Science & Technology</i> , 2019, 53, 6708-6717.	4.6	19
29	Viscosities, diffusion coefficients, and mixing times of intrinsic fluorescent organic molecules in brown limonene secondary organic aerosol and tests of the Stokes-Einstein equation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1491-1503.	1.9	24
30	Nitrogen-containing secondary organic aerosol formation by acrolein reaction with ammonia/ammonium. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1343-1356.	1.9	21
31	Liquid-liquid phase separation and viscosity within secondary organic aerosol generated from diesel fuel vapors. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12515-12529.	1.9	27
32	Effect of relative humidity on the composition of secondary organic aerosol from the oxidation of toluene. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1643-1652.	1.9	64
33	Modeling reactive ammonia uptake by secondary organic aerosol in CMAQ: application to the continental US. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3641-3657.	1.9	21
34	Effect of Photolysis on Absorption and Fluorescence Spectra of Light-Absorbing Secondary Organic Aerosols. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 235-245.	1.2	47
35	Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2461-2480.	1.9	69
36	Mass Spectrometry Analysis in Atmospheric Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 166-189.	3.2	87

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37	Editorsâ€™ Perspective on Multiphase Chemistry in the Atmosphere. ACS Symposium Series, 2018, , 1-6.	0.5	0
38	Influence of humidity and iron(III) on photodegradation of atmospheric secondary organic aerosol particles. Physical Chemistry Chemical Physics, 2018, 20, 30021-30031.	1.3	9
39	Reactive Uptake of Ammonia by Biogenic and Anthropogenic Organic Aerosols. ACS Symposium Series, 2018, , 127-147.	0.5	6
40	Molecular Characterization of Atmospheric Brown Carbon. ACS Symposium Series, 2018, , 261-274.	0.5	14
41	Comprehensive Molecular Characterization of Atmospheric Brown Carbon by High Resolution Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization. Analytical Chemistry, 2018, 90, 12493-12502.	3.2	148
42	Predicting the glass transition temperature and viscosity of secondary organic material using molecular composition. Atmospheric Chemistry and Physics, 2018, 18, 6331-6351.	1.9	116
43	Emissions from village cookstoves in Haryana, India, and their potential impacts on air quality. Atmospheric Chemistry and Physics, 2018, 18, 15169-15182.	1.9	33
44	Adjacent keto and enol groups in photochemistry of a cyclic molecule: Products, mechanisms and dynamics. Chemical Physics, 2018, 515, 177-186.	0.9	3
45	Photodegradation of Secondary Organic Aerosol Material Quantified with a Quartz Crystal Microbalance. Environmental Science and Technology Letters, 2018, 5, 366-371.	3.9	22
46	Heating-Induced Transformations of Atmospheric Particles: Environmental Transmission Electron Microscopy Study. Analytical Chemistry, 2018, 90, 9761-9768.	3.2	7
47	Reactive uptake of ammonia by secondary organic aerosols: Implications for air quality. Atmospheric Environment, 2018, 189, 1-8.	1.9	14
48	Online single particle measurement of fireworks pollution during Chinese New Year in Nanning. Journal of Environmental Sciences, 2017, 53, 184-195.	3.2	41
49	Aqueous Photochemistry of Secondary Organic Aerosol of Î±-Pinene and Î±-Humulene Oxidized with Ozone, Hydroxyl Radical, and Nitrate Radical. Journal of Physical Chemistry A, 2017, 121, 1298-1309.	1.1	51
50	The Essential Role for Laboratory Studies in Atmospheric Chemistry. Environmental Science & Technology, 2017, 51, 2519-2528.	4.6	75
51	Feasibility of Photosensitized Reactions with Secondary Organic Aerosol Particles in the Presence of Volatile Organic Compounds. Journal of Physical Chemistry A, 2017, 121, 4961-4967.	1.1	18
52	Molecular Characterization of Organosulfur Compounds in Biodiesel and Diesel Fuel Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 119-127.	4.6	74
53	Photochemistry of Products of the Aqueous Reaction of Methylglyoxal with Ammonium Sulfate. ACS Earth and Space Chemistry, 2017, 1, 522-532.	1.2	55
54	A Role for 2-Methyl Pyrrole in the Browning of 4-Oxopentanal and Limonene Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 11048-11056.	4.6	17

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55	Efficient Formation of Light-Absorbing Polymeric Nanoparticles from the Reaction of Soluble Fe(III) with C4 and C6 Dicarboxylic Acids. <i>Environmental Science & Technology</i> , 2017, 51, 9700-9708.	4.6	21
56	Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. <i>Environmental Science & Technology</i> , 2017, 51, 11561-11570.	4.6	215
57	Plant-derived Secondary Organic Material in the Air and Ecosystems. <i>Trends in Plant Science</i> , 2017, 22, 744-753.	4.3	39
58	Secondary organic aerosol from atmospheric photooxidation of indole. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11605-11621.	1.9	21
59	Molecular Characterization of Brown Carbon in Biomass Burning Aerosol Particles. <i>Environmental Science & Technology</i> , 2016, 50, 11815-11824.	4.6	237
60	Photodegradation of Secondary Organic Aerosol Particles as a Source of Small, Oxygenated Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2016, 50, 9990-9997.	4.6	63
61	Photochemical Reactions of Cyclohexanone: Mechanisms and Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7112-7120.	1.1	17
62	Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5399-5411.	1.9	82
63	Effective absorption cross sections and photolysis rates of anthropogenic and biogenic secondary organic aerosols. <i>Atmospheric Environment</i> , 2016, 130, 172-179.	1.9	42
64	Effect of viscosity on photodegradation rates in complex secondary organic aerosol materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8785-8793.	1.3	76
65	Formation of Light Absorbing Soluble Secondary Organics and Insoluble Polymeric Particles from the Dark Reaction of Catechol and Guaiacol with Fe(III). <i>Environmental Science & Technology</i> , 2015, 49, 7793-7801.	4.6	58
66	Heterogeneous Photochemistry in the Atmosphere. <i>Chemical Reviews</i> , 2015, 115, 4218-4258.	23.0	497
67	Absorption spectra and aqueous photochemistry of β -hydroxyalkyl nitrates of atmospheric interest. <i>Molecular Physics</i> , 2015, 113, 2179-2190.	0.8	22
68	High-Resolution Mass Spectrometry and Molecular Characterization of Aqueous Photochemistry Products of Common Types of Secondary Organic Aerosols. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2594-2606.	1.1	63
69	On Surface Order and Disorder of β -Pinene-Derived Secondary Organic Material. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4609-4617.	1.1	27
70	Chemistry of Atmospheric Brown Carbon. <i>Chemical Reviews</i> , 2015, 115, 4335-4382.	23.0	1,121
71	Atmospheric Oxidation of Squalene: Molecular Study Using COBRA Modeling and High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2015, 49, 13304-13313.	4.6	30
72	A Real-Time Fast-Flow Tube Study of VOC and Particulate Emissions from Electronic, Potentially Reduced-Harm, Conventional, and Reference Cigarettes. <i>Aerosol Science and Technology</i> , 2015, 49, 816-827.	1.5	26

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73	Revealing Brown Carbon Chromophores Produced in Reactions of Methylglyoxal with Ammonium Sulfate. <i>Environmental Science & Technology</i> , 2015, 49, 14257-14266.	4.6	149
74	Effect of Alkyl Chain Length on Hygroscopicity of Nanoparticles and Thin Films of Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29458-29466.	1.5	14
75	Molecular Selectivity of Brown Carbon Chromophores. <i>Environmental Science & Technology</i> , 2014, 48, 12047-12055.	4.6	94
76	Photochemistry of aldehyde clusters: cross-molecular versus unimolecular reaction dynamics. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23861-23868.	1.3	21
77	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10629-10642.	1.3	98
78	Exploring matrix effects on photochemistry of organic aerosols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13780-13785.	3.3	62
79	Effect of Solar Radiation on the Optical Properties and Molecular Composition of Laboratory Proxies of Atmospheric Brown Carbon. <i>Environmental Science & Technology</i> , 2014, 48, 10217-10226.	4.6	250
80	Molecular Characterization of Organosulfates in Organic Aerosols from Shanghai and Los Angeles Urban Areas by Nanospray-Desorption Electrospray Ionization High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2014, 48, 10993-11001.	4.6	138
81	Direct Photolysis of α -Pinene Ozonolysis Secondary Organic Aerosol: Effect on Particle Mass and Peroxide Content. <i>Environmental Science & Technology</i> , 2014, 48, 11251-11258.	4.6	105
82	Physical properties of ambient and laboratory-generated secondary organic aerosol. <i>Geophysical Research Letters</i> , 2014, 41, 4347-4353.	1.5	53
83	Bitz, Ginoux, Jacobson, Nizkorodov, and Yang Receive 2013 Atmospheric Sciences Ascent Awards: Response. <i>Eos</i> , 2014, 95, 266-266.	0.1	0
84	An approach toward quantification of organic compounds in complex environmental samples using high-resolution electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 72-80.	1.3	24
85	Excitation-Emission Spectra and Fluorescence Quantum Yields for Fresh and Aged Biogenic Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2013, 47, 5763-5770.	4.6	119
86	Brown carbon formation from ketoaldehydes of biogenic monoterpenes. <i>Faraday Discussions</i> , 2013, 165, 473.	1.6	89
87	Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1042-1051.	1.2	19
88	Experimental and Theoretical Study of Aqueous <i>cis</i> -Pinonic Acid Photolysis. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12930-12945.	1.1	60
89	New mass spectrometry techniques for studying physical chemistry of atmospheric heterogeneous processes. <i>International Reviews in Physical Chemistry</i> , 2013, 32, 128-170.	0.9	41
90	Direct photolysis of carbonyl compounds dissolved in cloud and fog-droplets. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9461-9477.	1.9	44

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91	Enhancement of Surfactants in Nanoparticles Produced by an Electrospray Aerosol Generator. <i>Aerosol Science and Technology</i> , 2012, 46, 1239-1245.	1.5	5
92	A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8205-8222.	1.9	34
93	Formation of brown carbon via reactions of ammonia with secondary organic aerosols from biogenic and anthropogenic precursors. <i>Atmospheric Environment</i> , 2012, 63, 22-31.	1.9	349
94	Direct aqueous photochemistry of isoprene high-NO _x secondary organic aerosol. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9702.	1.3	38
95	Applications of High-Resolution Electrospray Ionization Mass Spectrometry to Measurements of Average Oxygen to Carbon Ratios in Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 8315-8324.	4.6	44
96	COBRA: A Computational Brewing Application for Predicting the Molecular Composition of Organic Aerosols. <i>Environmental Science & Technology</i> , 2012, 46, 6048-6055.	4.6	8
97	Interaction of Water Vapor with the Surfaces of Imidazolium-Based Ionic Liquid Nanoparticles and Thin Films. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11255-11265.	1.2	18
98	Absorption Spectra and Photolysis of Methyl Peroxide in Liquid and Frozen Water. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6068-6077.	1.1	49
99	Chemical Analysis of Complex Organic Mixtures Using Reactive Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7179-7187.	3.2	52
100	Formation of nitrogen- and sulfur-containing light-absorbing compounds accelerated by evaporation of water from secondary organic aerosols. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	189
101	Mass spectrometric approaches for chemical characterisation of atmospheric aerosols: critical review of the most recent advances. <i>Environmental Chemistry</i> , 2012, 9, 163.	0.7	84
102	Glutathione peroxidase inhibitory assay for electrophilic pollutants in diesel exhaust and tobacco smoke. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 431-441.	1.9	12
103	Photolytic processing of secondary organic aerosols dissolved in cloud droplets. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12199.	1.3	110
104	Nitrogen-Containing Organic Compounds and Oligomers in Secondary Organic Aerosol Formed by Photooxidation of Isoprene. <i>Environmental Science & Technology</i> , 2011, 45, 6908-6918.	4.6	100
105	Molecular chemistry of organic aerosols through the application of high resolution mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3612.	1.3	147
106	Effect of humidity on the composition of isoprene photooxidation secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6931-6944.	1.9	167
107	High-resolution mass spectrometry analysis of secondary organic aerosol generated by ozonolysis of isoprene. <i>Atmospheric Environment</i> , 2010, 44, 1032-1042.	1.9	167
108	Ultrafast photochemistry of methyl hydroperoxide on ice particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6600-6604.	3.3	19

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109	Appearance of strong absorbers and fluorophores in limonene ³ secondary organic aerosol due to NH ₄ ⁺ -mediated chemical aging over long time scales. Journal of Geophysical Research, 2010, 115, .	3.3	234
110	High-Resolution Electrospray Ionization Mass Spectrometry Analysis of Water-Soluble Organic Aerosols Collected with a Particle into Liquid Sampler. Analytical Chemistry, 2010, 82, 8010-8016.	3.2	55
111	Hygroscopic Growth and Deliquescence of NaCl Nanoparticles Mixed with Surfactant SDS. Journal of Physical Chemistry B, 2010, 114, 2435-2449.	1.2	42
112	High-Resolution Desorption Electrospray Ionization Mass Spectrometry for Chemical Characterization of Organic Aerosols. Analytical Chemistry, 2010, 82, 2048-2058.	3.2	160
113	1,4-butanediol content of aqua dots children's craft toy beads. Journal of Medical Toxicology, 2009, 5, 120-124.	0.8	14
114	Hygroscopic Growth and Deliquescence of NaCl Nanoparticles Coated with Surfactant AOT. Journal of Physical Chemistry A, 2009, 113, 7678-7686.	1.1	29
115	Measurement of Ozone Emission and Particle Removal Rates from Portable Air Purifiers. Journal of Chemical Education, 2009, 86, 219.	1.1	6
116	Time-resolved molecular characterization of limonene/ozone aerosol using high-resolution electrospray ionization mass spectrometry. Physical Chemistry Chemical Physics, 2009, 11, 7931.	1.3	99
117	Photochemistry of Secondary Organic Aerosol Formed from Oxidation of Monoterpenes. ACS Symposium Series, 2009, , 91-109.	0.5	1
118	Photodegradation of secondary organic aerosol generated from limonene oxidation by ozone studied with chemical ionization mass spectrometry. Atmospheric Chemistry and Physics, 2009, 9, 3851-3865.	1.9	52
119	High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. Physical Chemistry Chemical Physics, 2008, 10, 1009-1022.	1.3	166
120	Stoichiometry of Ozonation of Environmentally Relevant Olefins in Saturated Hydrocarbon Solvents. Environmental Science & Technology, 2008, 42, 3582-3587.	4.6	10
121	The Effect of Solvent on the Analysis of Secondary Organic Aerosol Using Electrospray Ionization Mass Spectrometry. Environmental Science & Technology, 2008, 42, 7341-7346.	4.6	96
122	Contribution of Carbonyl Photochemistry to Aging of Atmospheric Secondary Organic Aerosol. Journal of Physical Chemistry A, 2008, 112, 8337-8344.	1.1	61
123	Evidence for excited spin-orbit state reaction dynamics in F+H ₂ : Theory and experiment. Journal of Chemical Physics, 2008, 128, 084313.	1.2	31
124	Kinetic Analysis of Competition between Aerosol Particle Removal and Generation by Ionization Air Purifiers. Environmental Science & Technology, 2007, 41, 2498-2504.	4.6	30
125	Photochemical Aging of Secondary Organic Aerosol Particles Generated from the Oxidation of d-Limonene. Journal of Physical Chemistry A, 2007, 111, 1907-1913.	1.1	97
126	IR Spectra of Protonated Carbonic Acid and Its Isomeric H ₃ O ⁺ ...CO ₂ Complex. Angewandte Chemie - International Edition, 2007, 46, 4754-4756.	7.2	29

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127	Quantification of Ozone Levels in Indoor Environments Generated by Ionization and Ozonolysis Air Purifiers. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 601-610.	0.9	116
128	Ozonolysis and photolysis of alkene-terminated self-assembled monolayers on quartz nanoparticles: implications for photochemical aging of organic aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2506.	1.3	39
129	UV Photodissociation Spectroscopy of Oxidized Undecylenic Acid Films. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3584-3592.	1.1	31
130	Near-IR photodissociation of peroxy acetyl nitrate. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 385-392.	1.9	14
131	Overtone spectroscopy of H ₂ O clusters in the $\nu_{OH}=2$ manifold: Infrared-ultraviolet vibrationally mediated dissociation studies. <i>Journal of Chemical Physics</i> , 2005, 122, 194316.	1.2	54
132	Cis-cis and trans-perp HOONO: Action spectroscopy and isomerization kinetics. <i>Journal of Chemical Physics</i> , 2004, 121, 1432-1448.	1.2	54
133	Temperature and Pressure Dependence of High-Resolution Air-Broadened Absorption Cross Sections of NO ₂ (415-525 nm). <i>Journal of Physical Chemistry A</i> , 2004, 108, 4864-4872.	1.1	19
134	Interaction of Gas-Phase Ozone at 296 K with Unsaturated Self-Assembled Monolayers: A New Look at an Old System. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10473-10485.	1.1	123
135	Cavity Ringdown Spectroscopy of cis-cis HOONO and the HOONO/HONO ₂ Branching Ratio in the Reaction OH + NO ₂ + M. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6974-6985.	1.1	48
136	Vibrationally mediated dissociation dynamics of H ₂ O in the $\nu_{OH}=2$ polyad. <i>Journal of Chemical Physics</i> , 2003, 119, 10158-10168.	1.2	15
137	Reactive scattering of F+HD [†] HF(ν, j)+D: nascent product state distributions and evidence for quantum transition state resonances. <i>Journal of Chemical Physics</i> , 2002, 116, 5622-5632.	1.2	49
138	First Spectroscopic Observation of Gas-Phase HOONO. <i>Journal of Physical Chemistry A</i> , 2002, 106, 855-859.	1.1	82
139	Photodissociation of Peroxynitric Acid in the Near-IR. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3766-3772.	1.1	92
140	Differential scattering dynamics of F+CH ₄ [†] HF(ν, j)+CH ₃ via high-resolution IR laser dopplerimetry. <i>Chemical Physics Letters</i> , 2001, 335, 381-387.	1.2	31
141	Fast vibrational relaxation of OH($\nu=9$) by ammonia and ozone. <i>Chemical Physics Letters</i> , 2001, 341, 107-114.	1.2	15
142	Quantum state-resolved reactive scattering of F+CH ₄ [†] HF(ν, j)+CH ₃ : Nascent HF(ν, j) product state distributions. <i>Journal of Chemical Physics</i> , 2000, 113, 3670-3680.	1.2	73
143	Temperature Dependent Kinetics of the OH/HO ₂ /O ₃ Chain Reaction by Time-Resolved IR Laser Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3964-3973.	1.1	40
144	Intermolecular interaction in the CH ₃ +He ionic complex revealed by ab initio calculations and infrared photodissociation spectroscopy. <i>Journal of Chemical Physics</i> , 1999, 110, 9527-9535.	1.2	35

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145	Energy-dependent cross sections and nonadiabatic reaction dynamics in $F(2P_{3/2}, 2P_{1/2}) + n\text{H}_2^+ \rightarrow \text{HF}(v, J) + \text{H}$. <i>Journal of Chemical Physics</i> , 1999, 111, 8404-8416.	1.2	62
146	State-to-state reaction dynamics in crossed supersonic jets: threshold evidence for non-adiabatic channels in $F + \text{H}_2$. <i>Faraday Discussions</i> , 1999, 113, 107-117.	1.6	31
147	Photofragmentation dynamics of the $(\text{N}_2\text{O})_2^+$ and $(\text{N}_2\text{O})_3^+$ clusters: fragment $\text{N}_2\text{O} + \text{A} \rightarrow \text{X}$ spectra. <i>Chemical Physics</i> , 1998, 239, 369-378.	0.9	2
148	Infrared photodissociation spectra of isomeric $\text{SiOH} + \text{Ar}$ ($n=1-10$) complexes. <i>Chemical Physics</i> , 1998, 239, 393-407.	0.9	58
149	Infrared photodissociation spectra of $\text{CH}_3 + \text{Ar}_n$ complexes ($n=1-8$). <i>Journal of Chemical Physics</i> , 1998, 108, 10046-10060.	1.2	70
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