Jesse H Kroll

List of Publications by Citations

138 papers	18,778 citations	57 h-index	137 g-index
173 ext. papers	21,565 ext. citations	7.1 avg, IF	6.48 L-index

#	Paper	IF	Citations
138	Evolution of organic aerosols in the atmosphere. *Science*, **2009**, 326, 1525-9	33.3	2767
137	O/C and OM/OC ratios of primary, secondary, and ambient organic aerosols with high-resolution time-of-flight aerosol mass spectrometry. *Environmental Science & Technology*, **2008**, 42, 4478-85	10.3	1324
136	Chemistry of secondary organic aerosol: Formation and evolution of low-volatility organics in the atmosphere. *Atmospheric Environment*, **2008**, 42, 3593-3624	5.3	1146
135	Organic aerosol components observed in Northern Hemispheric datasets from Aerosol Mass Spectrometry. *Atmospheric Chemistry and Physics*, **2010**, 10, 4625-4641	6.8	749
134	Carbon oxidation state as a metric for describing the chemistry of atmospheric organic aerosol. *Nature Chemistry*, **2011**, 3, 133-9	17.6	689
133	Secondary organic aerosol formation from isoprene photooxidation. *Environmental Science & Technology*, **2006**, 40, 1869-77	10.3	630
132	A review of Secondary Organic Aerosol (SOA) formation from isoprene. *Atmospheric Chemistry and Physics*, **2009**, 9, 4987-5005	6.8	626
131	Secondary organic aerosol formation from <i>m</i>-xylene, toluene, and benzene. *Atmospheric Chemistry and Physics*, **2007**, 7, 3909-3922	6.8	580
130	Elemental ratio measurements of organic compounds using aerosol mass spectrometry: characterization, improved calibration, and implications. *Atmospheric Chemistry and Physics*, **2015**, 15, 253-272	6.8	563
129	Chemical composition of secondary organic aerosol formed from the photooxidation of isoprene. *Journal of Physical Chemistry A*, **2006**, 110, 9665-90	2.8	533
128	Evidence for organosulfates in secondary organic aerosol. *Environmental Science & Technology*, **2007**, 41, 517-27	10.3	508
127	Isoprene photooxidation: new insights into the production of acids and organic nitrates. *Atmospheric Chemistry and Physics*, **2009**, 9, 1479-1501	6.8	391
126	A two-dimensional volatility basis set □Part 2: Diagnostics of organic-aerosol evolution. *Atmospheric Chemistry and Physics*, **2012**, 12, 615-634	6.8	365
125	A simplified description of the evolution of organic aerosol composition in the atmosphere. *Geophysical Research Letters*, **2010**, 37,	4.9	352
124	Effect of NO_x level on secondary organic aerosol (SOA) formation from the photooxidation of terpenes. *Atmospheric Chemistry and Physics*, **2007**, 7, 5159-5174	6.8	340
123	Global modeling of secondary organic aerosol formation from aromatic hydrocarbons: high- vs. low-yield pathways. *Atmospheric Chemistry and Physics*, **2008**, 8, 2405-2420	6.8	312
122	Contribution of first- versus second-generation products to secondary organic aerosols formed in the oxidation of biogenic hydrocarbons. *Environmental Science & Technology*, **2006**, 40, 2283-97	10.3	302

121	Gas-phase products and secondary aerosol yields from the photooxidation of 16 different terpenes. *Journal of Geophysical Research*, **2006**, 111,		280
120	Measurement of fragmentation and functionalization pathways in the heterogeneous oxidation of oxidized organic aerosol. *Physical Chemistry Chemical Physics*, **2009**, 11, 8005-14	3.6	277
119	Secondary organic aerosol formation from isoprene photooxidation under high-NOx conditions. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	269
118	Secondary aerosol formation from atmospheric reactions of aliphatic amines. *Atmospheric Chemistry and Physics*, **2007**, 7, 2313-2337	6.8	254
117	Loading-dependent elemental composition of □pinene SOA particles. *Atmospheric Chemistry and Physics*, **2009**, 9, 771-782	6.8	230
116	Hygroscopicity of secondary organic aerosols formed by oxidation of cycloalkenes, monoterpenes, sesquiterpenes, and related compounds. *Atmospheric Chemistry and Physics*, **2006**, 6, 2367-2388	6.8	217
115	Mechanism of HOx Formation in the Gas-Phase Ozone-Alkene Reaction. 2. Prompt versus Thermal Dissociation of Carbonyl Oxides to Form OH. *Journal of Physical Chemistry A*, **2001**, 105, 4446-4457	2.8	192
114	The heterogeneous reaction of hydroxyl radicals with sub-micron squalane particles: a model system for understanding the oxidative aging of ambient aerosols. *Atmospheric Chemistry and Physics*, **2009**, 9, 3209-3222	6.8	182
113	Chemical sinks of organic aerosol: kinetics and products of the heterogeneous oxidation of erythritol and levoglucosan. *Environmental Science & Technology*, **2010**, 44, 7005-10	10.3	163
112	Particle mass yield in secondary organic aerosol formed by the dark ozonolysis of □pinene. *Atmospheric Chemistry and Physics*, **2008**, 8, 2073-2088	6.8	149
111	Transitions from functionalization to fragmentation reactions of laboratory secondary organic aerosol (SOA) generated from the OH oxidation of alkane precursors. *Environmental Science & Technology*, **2012**, 46, 5430-7	10.3	147
110	Adventures in ozoneland: down the rabbit-hole. *Physical Chemistry Chemical Physics*, **2011**, 13, 10848-57	3.6	145
109	Effect of oxidant concentration, exposure time, and seed particles on secondary organic aerosol chemical composition and yield. *Atmospheric Chemistry and Physics*, **2015**, 15, 3063-3075	6.8	134
108	Characterization of submicron aerosols at a rural site in Pearl River Delta of China using an Aerodyne High-Resolution Aerosol Mass Spectrometer. *Atmospheric Chemistry and Physics*, **2011**, 11, 1865-1877	6.8	134
107	Direct observation of OH production from the ozonolysis of olefins. *Geophysical Research Letters*, **1998**, 25, 59-62	4.9	132
106	Contrasting the direct radiative effect and direct radiative forcing of aerosols. *Atmospheric Chemistry and Physics*, **2014**, 14, 5513-5527	6.8	131
105	Variations in organic aerosol optical and hygroscopic properties upon heterogeneous OH oxidation. *Journal of Geophysical Research*, **2011**, 116,		117
104	Characterization of 2-methylglyceric acid oligomers in secondary organic aerosol formed from the photooxidation of isoprene using trimethylsilylation and gas chromatography/ion trap mass spectrometry. *Journal of Mass Spectrometry*, **2007**, 42, 101-16	2.2	112

103	Reactions of semivolatile organics and their effects on secondary organic aerosol formation. *Environmental Science & Technology*, **2007**, 41, 3545-50	10.3	106
102	Gas-phase ozonolysis of alkenes: formation of OH from anti carbonyl oxides. *Journal of the American Chemical Society*, **2002**, 124, 8518-9	16.4	100
101	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor. *Atmospheric Chemistry and Physics*, **2016**, 16, 2943-2970	6.8	98
100	Heterogeneous Oxidation of Atmospheric Organic Aerosol: Kinetics of Changes to the Amount and Oxidation State of Particle-Phase Organic Carbon. *Journal of Physical Chemistry A*, **2015**, 119, 10767-83	2.8	94
99	Improved resolution of hydrocarbon structures and constitutional isomers in complex mixtures using gas chromatography-vacuum ultraviolet-mass spectrometry. *Analytical Chemistry*, **2012**, 84, 2335-42	7.8	92
98	Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. *Journal of Geophysical Research*, **2011**, 116,		90
97	Phase partitioning and volatility of secondary organic aerosol components formed from α-pinene ozonolysis and OH oxidation: the importance of accretion products and other low volatility compounds. *Atmospheric Chemistry and Physics*, **2015**, 15, 7765-7776	6.8	88
96	Intermediate-volatility organic compounds: a potential source of ambient oxidized organic aerosol. *Environmental Science & Technology*, **2009**, 43, 4744-9	10.3	88
95	Why do organic aerosols exist? Understanding aerosol lifetimes using the two-dimensional volatility basis set. *Environmental Chemistry*, **2013**, 10, 151	3.2	85
94	The complex chemical effects of COVID-19 shutdowns on air quality. *Nature Chemistry*, **2020**, 12, 777-779	17.6	83
93	Investigation of the correlation between odd oxygen and secondary organic aerosol in Mexico City and Houston. *Atmospheric Chemistry and Physics*, **2010**, 10, 8947-8968	6.8	80
92	Secondary organic aerosol formation from cyclohexene ozonolysis: effect of OH scavenger and the role of radical chemistry. *Environmental Science & Technology*, **2004**, 38, 3343-50	10.3	80
91	Photo-oxidation of low-volatility organics found in motor vehicle emissions: production and chemical evolution of organic aerosol mass. *Environmental Science & Technology*, **2010**, 44, 1638-43	10.3	71
90	Kinetic modeling of secondary organic aerosol formation: effects of particle- and gas-phase reactions of semivolatile products. *Atmospheric Chemistry and Physics*, **2007**, 7, 4135-4147	6.8	66
89	Calibration and assessment of electrochemical air quality sensors by co-location with regulatory-grade instruments. *Atmospheric Measurement Techniques*, **2018**, 11, 315-328	4	66
88	Formation of Low-Volatility Organic Compounds in the Atmosphere: Recent Advancements and Insights. *Journal of Physical Chemistry Letters*, **2017**, 8, 1503-1511	6.4	61
87	A case study of ozone production, nitrogen oxides, and the radical budget in Mexico City. *Atmospheric Chemistry and Physics*, **2009**, 9, 2499-2516	6.8	61
86	New particle formation from the oxidation of direct emissions of pine seedlings. *Atmospheric Chemistry and Physics*, **2009**, 9, 8121-8137	6.8	59

85	Chemical evolution of atmospheric organic carbon over multiple generations of oxidation. *Nature Chemistry*, **2018**, 10, 462-468	17.6	58
84	Mass yields of secondary organic aerosols from the oxidation of □pinene and real plant emissions. *Atmospheric Chemistry and Physics*, **2011**, 11, 1367-1378	6.8	58
83	Sampling Artifacts from Conductive Silicone Tubing. *Aerosol Science and Technology*, **2009**, 43, 855-865	3.4	58
82	Testing Frontier Orbital Control: Kinetics of OH with Ethane, Propane, and Cyclopropane from 180 to 360K. *Journal of Physical Chemistry A*, **1998**, 102, 9847-9857	2.8	57
81	Volatility and aging of atmospheric organic aerosol. *Topics in Current Chemistry*, **2014**, 339, 97-143		56
80	The Essential Role for Laboratory Studies in Atmospheric Chemistry. *Environmental Science & Technology*, **2017**, 51, 2519-2528	10.3	55
79	Representation of secondary organic aerosol laboratory chamber data for the interpretation of mechanisms of particle growth. *Environmental Science & Technology*, **2005**, 39, 4159-65	10.3	54
78	Comprehensive characterization of atmospheric organic carbon at a forested site. *Nature Geoscience*, **2017**, 10, 748-753	18.3	49
77	OH-initiated heterogeneous aging of highly oxidized organic aerosol. *Journal of Physical Chemistry A*, **2012**, 116, 6358-65	2.8	49
76	Elemental analysis of aerosol organic nitrates with electron ionization high-resolution mass spectrometry. *Atmospheric Measurement Techniques*, **2010**, 3, 301-310	4	49
75	2,3-Dimethyl-2-butene (TME) ozonolysis: pressure dependence of stabilized Criegee intermediates and evidence of stabilized vinyl hydroperoxides. *Journal of Physical Chemistry A*, **2011**, 115, 161-6	2.8	48
74	Causes and consequences of decreasing atmospheric organic aerosol in the United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 290-295	11.5	45
73	Mixing and phase partitioning of primary and secondary organic aerosols. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	45
72	Accurate, direct measurements of oh yields from gas-phase ozone-alkene reactions using an in situ LIF Instrument. *Geophysical Research Letters*, **2001**, 28, 3863-3866	4.9	45
71	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. *Atmospheric Chemistry and Physics*, **2019**, 19, 14875-14899	6.8	45
70	Secondary organic aerosol formation from the laboratory oxidation of biomass burning emissions. *Atmospheric Chemistry and Physics*, **2019**, 19, 12797-12809	6.8	43
69	Secondary organic aerosol formation from acyclic, monocyclic, and polycyclic alkanes. *Environmental Science & Technology*, **2014**, 48, 10227-34	10.3	41
68	Evaluating the mixing of organic aerosol components using high-resolution aerosol mass spectrometry. *Environmental Science & Technology*, **2011**, 45, 6329-35	10.3	41

67	Chemical compositions of black carbon particle cores and coatings via soot particle aerosol mass spectrometry with photoionization and electron ionization. *Journal of Physical Chemistry A*, **2015**, 119, 4589-99	2.8	39
66	Joint Impacts of Acidity and Viscosity on the Formation of Secondary Organic Aerosol from Isoprene Epoxydiols (IEPOX) in Phase Separated Particles. *ACS Earth and Space Chemistry*, **2019**, 3, 2646-2658	3.2	38
65	Mass spectral analysis of organic aerosol formed downwind of the Deepwater Horizon oil spill: field studies and laboratory confirmations. *Environmental Science & Technology*, **2012**, 46, 8025-34	10.3	38
64	The statistical evolution of multiple generations of oxidation products in the photochemical aging of chemically reduced organic aerosol. *Physical Chemistry Chemical Physics*, **2012**, 14, 1468-79	3.6	35
63	Effect of heterogeneous oxidative aging on light absorption by biomass burning organic aerosol. *Aerosol Science and Technology*, **2019**, 53, 663-674	3.4	33
62	Biomass-burning-derived particles from a wide variety of fuels Part 1: Properties of primary particles. *Atmospheric Chemistry and Physics*, **2020**, 20, 1531-1547	6.8	33
61	Average chemical properties and potential formation pathways of highly oxidized organic aerosol. *Faraday Discussions*, **2013**, 165, 181-202	3.6	33
60	Laboratory studies of the aqueous-phase oxidation of polyols: submicron particles vs. bulk aqueous solution. *Atmospheric Chemistry and Physics*, **2014**, 14, 10773-10784	6.8	32
59	OH-initiated oxidation of sub-micron unsaturated fatty acid particles. *Physical Chemistry Chemical Physics*, **2013**, 15, 18649-63	3.6	30
58	Multiple Excited States in a Two-State Crossing Model: Predicting Barrier Height Evolution for H + Alkene Addition Reactions. *Journal of Physical Chemistry A*, **2000**, 104, 4458-4468	2.8	30
57	Oxygenated Aromatic Compounds are Important Precursors of Secondary Organic Aerosol in Biomass-Burning Emissions. *Environmental Science & Technology*, **2020**, 54, 8568-8579	10.3	29
56	Changes to the chemical composition of soot from heterogeneous oxidation reactions. *Journal of Physical Chemistry A*, **2015**, 119, 1154-63	2.8	29
55	Using advanced mass spectrometry techniques to fully characterize atmospheric organic carbon: current capabilities and remaining gaps. *Faraday Discussions*, **2017**, 200, 579-598	3.6	28
54	Characterisation of lightly oxidised organic aerosol formed from the photochemical aging of diesel exhaust particles. *Environmental Chemistry*, **2012**, 9, 211	3.2	27
53	Influence of molecular structure and chemical functionality on the heterogeneous OH-initiated oxidation of unsaturated organic particles. *Journal of Physical Chemistry A*, **2014**, 118, 4106-19	2.8	26
52	Atmospheric evolution of sulfur emissions from Kīlauea: real-time measurements of oxidation, dilution, and neutralization within a volcanic plume. *Environmental Science & Technology*, **2015**, 49, 4129-37	10.3	25
51	Load-Dependent Emission Factors and Chemical Characteristics of IVOCs from a Medium-Duty Diesel Engine. *Environmental Science & Technology*, **2015**, 49, 13483-91	10.3	25
50	The fuel of atmospheric chemistry: Toward a complete description of reactive organic carbon. *Science Advances*, **2020**, 6, eaay8967	14.3	25

49	Biomass-burning-derived particles from a wide variety of fuels Part 2: Effects of photochemical aging on particle optical and chemical properties. *Atmospheric Chemistry and Physics*, **2020**, 20, 8511-8532	6.8	24
48	Online measurements of the emissions of intermediate-volatility and semi-volatile organic compounds from aircraft. *Atmospheric Chemistry and Physics*, **2013**, 13, 7845-7858	6.8	23
47	Mechanistic study of the formation of ring-retaining and ring-opening products from the oxidation of aromatic compounds under urban atmospheric conditions. *Atmospheric Chemistry and Physics*, **2019**, 19, 15117-15129	6.8	23
46	Effects of Condensed-Phase Oxidants on Secondary Organic Aerosol Formation. *Journal of Physical Chemistry A*, **2016**, 120, 1386-94	2.8	22
45	Photolytic Aging of Secondary Organic Aerosol: Evidence for a Substantial Photo-Recalcitrant Fraction. *Journal of Physical Chemistry Letters*, **2019**, 10, 4003-4009	6.4	22
44	Assessing the accuracy of low-cost optical particle sensors using a physics-based approach. *Atmospheric Measurement Techniques*, **2020**, 13, 6343-6355	4	22
43	A biogenic secondary organic aerosol source of cirrus ice nucleating particles. *Nature Communications*, **2020**, 11, 4834	17.4	19
42	Using collision-induced dissociation to constrain sensitivity of ammonia chemical ionization mass spectrometry (CIMS) to oxygenated volatile organic compounds. *Atmospheric Measurement Techniques*, **2019**, 12, 1861-1870	4	17
41	Rapid heterogeneous oxidation of organic coatings on submicron aerosols. *Geophysical Research Letters*, **2017**, 44, 2949-2957	4.9	16
40	Chemical Characterization of Isoprene- and Monoterpene-Derived Secondary Organic Aerosol Tracers in Remote Marine Aerosols over a Quarter Century. *ACS Earth and Space Chemistry*, **2019**, 3, 935-946	3.2	16
39	An Experimental Method for Testing Reactivity Models: A High-Pressure Discharge Flow Study of H + Alkene and Haloalkene Reactions. *Journal of Physical Chemistry A*, **2000**, 104, 5254-5264	2.8	16
38	Laboratory Investigation of Renoxification from the Photolysis of Inorganic Particulate Nitrate. *Environmental Science & Technology*, **2021**, 55, 854-861	10.3	16
37	Secondary organic aerosol formation via the isolation of individual reactive intermediates: role of alkoxy radical structure. *Journal of Physical Chemistry A*, **2014**, 118, 8807-16	2.8	14
36	Inferring Aerosol Sources from Low-Cost Air Quality Sensor Measurements: A Case Study in Delhi, India. *Environmental Science and Technology Letters*, **2019**, 6, 467-472	11	12
35	Measurement techniques for identifying and quantifying hydroxymethanesulfonate (HMS) in an aqueous matrix and particulate matter using aerosol mass spectrometry and ion chromatography. *Atmospheric Measurement Techniques*, **2019**, 12, 5303-5315	4	12
34	Elemental ratio measurements of organic compounds using aerosol mass spectrometry: characterization, improved calibration, and implications		12
33	Infrared Ion Spectroscopy of Environmental Organic Mixtures: Probing the Composition of Pinene Secondary Organic Aerosol. *Environmental Science & Technology*, **2019**, 53, 7604-7612	10.3	11
32	Ultrasonic nebulization for the elemental analysis of microgram-level samples with offline aerosol mass spectrometry. *Atmospheric Measurement Techniques*, **2019**, 12, 1659-1671	4	10

31	Dimensionality-reduction techniques for complex mass spectrometric datasets: application to laboratory atmospheric organic oxidation experiments. *Atmospheric Chemistry and Physics*, **2020**, 20, 1021-1041	6.8	10
30	Evolution in the Reactivity of Citric Acid toward Heterogeneous Oxidation by Gas-Phase OH Radicals. *ACS Earth and Space Chemistry*, **2018**, 2, 1323-1329	3.2	10
29	Constraining nucleation, condensation, and chemistry in oxidation flow reactors using size-distribution measurements and aerosol microphysical modeling. *Atmospheric Chemistry and Physics*, **2018**, 18, 12433-12460	6.8	10
28	Formation of Secondary Organic Aerosol from the Direct Photolytic Generation of Organic Radicals. *Journal of Physical Chemistry Letters*, **2011**, 2, 1295-300	6.4	9
27	Radical Reactivity in the Condensed Phase: Intermolecular versus Intramolecular Reactions of Alkoxy Radicals. *Journal of Physical Chemistry Letters*, **2015**, 6, 2388-92	6.4	6
26	Phase partitioning and volatility of secondary organic aerosol components formed from α-pinene ozonolysis and OH oxidation: the importance of accretion products and other low volatility compounds		6
25	Organic Sulfur Products and Peroxy Radical Isomerization in the OH Oxidation of Dimethyl Sulfide. *ACS Earth and Space Chemistry*, **2021**, 5, 2013-2020	3.2	6
24	Investigating Carbonaceous Aerosol and Its Absorption Properties From Fires in the Western United States (WE-CAN) and Southern Africa (ORACLES and CLARIFY). *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2021JD034984	4.4	6
23	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. *Atmospheric Chemistry and Physics*, **2022**, 22, 1549-1573	6.8	5
22	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor		4
21	Assessing the accuracy of low-cost optical particle sensors using a physics-based approach		4
20	Global Cancer Risk From Unregulated Polycyclic Aromatic Hydrocarbons. *GeoHealth*, **2021**, 5, e2021GH000401		4
19	OH-chemistry of non-methane organic gases (NMOG) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation **2019**,		3
18	Pressure-dependent kinetics of peroxy radicals formed in isobutanol combustion. *Physical Chemistry Chemical Physics*, **2020**, 22, 19802-19815	3.6	3
17	Dimensionality-reduction techniques for complex mass spectrometric datasets: application to laboratory atmospheric organic oxidation experiments **2019**,		2
16	Secondary organic aerosol formation from biomass burning emissions **2019**,		2
15	Beyond direct radiative forcing: the case for characterizing the direct radiative effect of aerosols		2
14	Calibration and assessment of electrochemical air quality sensors by co-location with reference-grade instruments		2

13	Influence of the NO/NO Ratio on Oxidation Product Distributions under High-NO Conditions. *Environmental Science & Technology*, **2021**, 55, 6594-6601	10.3	2
12	Screening for New Pathways in Atmospheric Oxidation Chemistry with Automated Mechanism Generation. *Journal of Physical Chemistry A*, **2021**, 125, 6772-6788	2.8	2
11	Biomass-burning-derived particles from a wide variety of fuels: Part 2: Effects of photochemical aging on particle optical and chemical properties **2020**,		1
10	Biomass-burning derived particles from a wide variety of fuels: Part 1: Properties of primary particles **2019**,		1
9	A radical shift in air pollution. *Science*, **2021**, 374, 688-689	33.3	1
8	Laboratory studies of the aqueous-phase oxidation of polyols: submicron particles vs. bulk aqueous solution		1
7	Comparison of secondary organic aerosol formed with an aerosol flow reactor and environmental reaction chambers: effect of oxidant concentration, exposure time and seed particles on chemical composition and yield		1
6	Real-Time Laboratory Measurements of VOC Emissions, Removal Rates, and Byproduct Formation from Consumer-Grade Oxidation-Based Air Cleaners. *Environmental Science and Technology Letters*,	11	1
5	Application of chemical derivatization techniques combined with chemical ionization mass spectrometry to detect stabilized Criegee intermediates and peroxy radicals in the gas phase. *Atmospheric Measurement Techniques*, **2021**, 14, 2501-2513	4	1
4	Mapping pollution exposure and chemistry during an extreme air quality event (the 2018 K□auea eruption) using a low-cost sensor network. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
3	Chemistry of Functionalized Reactive Organic Intermediates in the Earth□s Atmosphere: Impact, Challenges, and Progress. *Journal of Physical Chemistry A*, **2021**, 125, 10264-10279	2.8	0
2	Chemistry of Simple Organic Peroxy Radicals under Atmospheric through Combustion Conditions: Role of Temperature, Pressure, and NO Level. *Journal of Physical Chemistry A*, **2021**, 125, 10303-10314	2.8	0
1	The Parallel Transformations of Polycyclic Aromatic Hydrocarbons in the Body and in the Atmosphere.. *Environmental Health Perspectives*, **2022**, 130, 25004	8.4	0