

# William H Brune

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245  
papers

13,862  
citations

67  
h-index

109  
g-index

301  
ext. papers

15,534  
ext. citations

6.8  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
245	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , <b>2022</b> , 269, 118854	5.3	1
244	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 1-53	6.1	6
243	Global Impact of Lightning-Produced Oxidants. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095740	4.9	2
242	Normal breathing releases SARS-CoV-2 into the air. <i>Journal of Medical Microbiology</i> , <b>2021</b> , 70,	3.2	1
241	Extreme oxidant amounts produced by lightning in storm clouds. <i>Science</i> , <b>2021</b> , 372, 711-715	33.3	10
240	Electrical Discharges Produce Prodigious Amounts of Hydroxyl and Hydroperoxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034557	4.4	5
239	The role of a suburban forest in controlling vertical trace gas and OH reactivity distributions - a case study for the Seoul metropolitan area. <i>Faraday Discussions</i> , <b>2021</b> , 226, 537-550	3.6	1
238	Aqueous-phase reactive species formed by fine particulate matter from remote forests and polluted urban air. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10439-10455	6.8	3
237	Missing OH reactivity in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4013-4029	6.8	13
236	Changes in ozone production and VOC reactivity in the atmosphere of the Mexico City Metropolitan Area. <i>Atmospheric Environment</i> , <b>2020</b> , 238, 117747	5.3	17
235	Changes in ozone photochemical regime in Fresno, California from 1994 to 2018 deduced from changes in the weekend effect. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114380	9.3	19
234	Technical Note: Effect of varying the $\lambda_{185}/\lambda_{254}$ = 185 and 254 nm photon flux ratio on radical generation in oxidation flow reactors. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13417-13424	6.8	5
233	Constraining remote oxidation capacity with ATom observations. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7753-7781	6.8	18
232	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4505-4510	11.5	61
231	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031685	4.4	11
230	Global Atmospheric Budget of Acetone: Air-Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032553	4.4	8
229	Precipitation intensity under a warming climate is threatening some Italian premium wines. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 508-513	10.2	6

228	The Chamber Wall Index for Gas-Wall Interactions in Atmospheric Environmental Enclosures. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3645-3652	10.3	6
227	Effect of salt seed particle surface area, composition and phase on secondary organic aerosol mass yields in oxidation flow reactors. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2701-2712	6.8	8
226	Physical properties of secondary photochemical aerosol from OH oxidation of a cyclic siloxane. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1649-1664	6.8	16
225	Introduction to the Deep Convective Clouds and Chemistry (DC3) 2012 Studies. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 8095-8103	4.4	2
224	No Particle Mass Enhancement from Induced Atmospheric Ageing at a Rural Site in Northern Europe. <i>Atmosphere</i> , <b>2019</b> , 10, 408	2.7	4
223	Evaluation of simulated O <sub>3</sub> production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NO <sub>x</sub> emissions in Korea. <i>Elementa</i> , <b>2019</b> , 7,	3.6	22
222	Global sensitivity analysis of GEOS-Chem modeled ozone and hydrogen oxides during the INTEX campaigns. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2443-2460	6.8	4
221	Effects of temperature-dependent NO <sub>x</sub> emissions on continental ozone production. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2601-2614	6.8	33
220	Model Evaluation of New Techniques for Maintaining High-NO Conditions in Oxidation Flow Reactors for the Study of OH-Initiated Atmospheric Chemistry. <i>ACS Earth and Space Chemistry</i> , <b>2018</b> , 2, 72-86	3.2	23
219	Southeast Atmosphere Studies: learning from model-observation syntheses. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2615-2651	6.8	31
218	Bulk and molecular-level characterization of laboratory-aged biomass burning organic aerosol from oak leaf and heartwood fuels. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2199-2224	6.8	21
217	Exposure of Lung Epithelial Cells to Photochemically Aged Secondary Organic Aerosol Shows Increased Toxic Effects. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 424-430	11	55
216	Atmospheric Reactivity of Fullerene (C <sub>60</sub> ) Aerosols. <i>ACS Earth and Space Chemistry</i> , <b>2018</b> , 2, 95-102	3.2	3
215	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). <i>Atmospheric Environment</i> , <b>2018</b> , 174, 227-236	5.3	18
214	Photochemical aging of aerosol particles in different air masses arriving at Baengnyeong Island, Korea. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 6661-6677	6.8	13
213	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14493-14510	6.8	8
212	The 75th Anniversary of the Journal of the Atmospheric Sciences. <i>Journals of the Atmospheric Sciences</i> , <b>2018</b> , 75, 4069-4070	2.1	
211	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13738-13746	10.3	43

210	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17769-17800	6.8	71
209	Reactive Oxygen Species Formed by Secondary Organic Aerosols in Water and Surrogate Lung Fluid. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11642-11651	10.3	43
208	Reactive oxygen species formed in aqueous mixtures of secondary organic aerosols and mineral dust influencing cloud chemistry and public health in the Anthropocene. <i>Faraday Discussions</i> , <b>2017</b> , 200, 251-270	3.6	35
207	Secondary organic aerosol from VOC mixtures in an oxidation flow reactor. <i>Atmospheric Environment</i> , <b>2017</b> , 161, 210-220	5.3	33
206	Ozone and OH-induced oxidation of monoterpenes: Changes in the thermal properties of secondary organic aerosol (SOA). <i>Journal of Aerosol Science</i> , <b>2017</b> , 114, 31-41	4.3	15
205	Controlled nitric oxide production via $O(^1D) + N_2O$ reactions for use in oxidation flow reactor studies. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2283-2298	4	35
204	Comparison of OH reactivity measurements in the atmospheric simulation chamber SAPHIR. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 4023-4053	4	52
203	Photochemical aging of organic and inorganic ambient aerosol from the Potential Aerosol Mass (PAM) reactor experiment in East Asia <b>2017</b> ,		2
202	Primary and Secondary Sources of Gas-Phase Organic Acids from Diesel Exhaust. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10872-10880	10.3	22
201	Global sensitivity analysis of the GEOS-Chem chemical transport model: ozone and hydrogen oxides during ARCTAS (2008). <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3769-3784	6.8	14
200	Higher measured than modeled ozone production at increased $NO_x$ levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11273-11292	6.8	15
199	Influence of fuel ethanol content on primary emissions and secondary aerosol formation potential for a modern flex-fuel gasoline vehicle. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5311-5329	6.8	38
198	Hydroxyl radicals from secondary organic aerosol decomposition in water. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 1761-1771	6.8	101
197	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2943-2970	6.8	98
196	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4272-4295	4.4	20
195	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11563-11580	6.8	60
194	Non-OH chemistry in oxidation flow reactors for the study of atmospheric chemistry systematically examined by modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4283-4305	6.8	90
193	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7411-7433	6.8	97

192	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7623-7637	6.8	49
191	Understanding isoprene photooxidation using observations and modeling over a subtropical forest in the southeastern US. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7725-7741	6.8	18
190	Time-resolved characterization of primary particle emissions and secondary particle formation from a modern gasoline passenger car. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 8559-8570	6.8	58
189	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9349-9359	6.8	47
188	Anthropogenic Sulfur Perturbations on Biogenic Oxidation: SO <sub>2</sub> Additions Impact Gas-Phase OH Oxidation Products of $\alpha$ - and $\beta$ -Pinene. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1269-79	10.3	36
187	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 10241-54	3.6	130
186	Observational Constraints on the Oxidation of NO <sub>x</sub> in the Upper Troposphere. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1468-78	2.8	20
185	Speciation of OH reactivity above the canopy of an isoprene-dominated forest <b>2016</b> ,		2
184	Influence of fuel ethanol content on primary emissions and secondary aerosol formation potential for a modern flex-fuel gasoline vehicle <b>2016</b> ,		2
183	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest <b>2016</b> ,		1
182	Ozone production chemistry in the presence of urban plumes. <i>Faraday Discussions</i> , <b>2016</b> , 189, 169-89	3.6	37
181	Isoprene suppression of new particle formation: Potential mechanisms and implications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,621	4.4	26
180	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 4699-4710	2.1	42
179	Inter-comparison of laboratory smog chamber and flow reactor systems on organic aerosol yield and composition <b>2015</b> ,		2
178	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10330-9	10.3	139
177	Modeling the radical chemistry in an oxidation flow reactor: radical formation and recycling, sensitivities, and the OH exposure estimation equation. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 4418-32	2.8	104
176	An Atmospheric Constraint on the NO <sub>2</sub> Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12774-81	10.3	23
175	Ultraviolet and visible complex refractive indices of secondary organic material produced by photooxidation of the aromatic compounds toluene and $m$ -xylene. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1435-1446	6.8	94

174	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO <sub>x</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11257-11272	6.8	62
173	Effect of oxidant concentration, exposure time, and seed particles on secondary organic aerosol chemical composition and yield. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3063-3075	6.8	134
172	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1281-1309	6.1	140
171	HO <sub>x</sub> radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 4863-4890	4	93
170	Inter-comparison of laboratory smog chamber and flow reactor systems on organic aerosol yield and composition. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 2315-2332	4	90
169	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 5243-5258	6.8	37
168	The ozone story: A model for addressing climate change?. <i>Bulletin of the Atomic Scientists</i> , <b>2015</b> , 71, 75-84	6	3
167	Direct ozone production rate measurements and their use in assessing ozone source and receptor regions for Houston in 2013. <i>Atmospheric Environment</i> , <b>2015</b> , 114, 83-91	5.3	17
166	HO <sub>x</sub> radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling <b>2015</b> ,		5
165	Impacts of Combustion Conditions and Photochemical Processing on the Light Absorption of Biomass Combustion Aerosol. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14663-71	10.3	92
164	Evidence for a nitrous acid (HONO) reservoir at the ground surface in Bakersfield, CA, during CalNex 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9093-9106	4.4	54
163	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12181-12194	6.8	99
162	Overview of the Focused Isoprene eXperiment at the California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13531-13549	6.8	50
161	On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3373-3395	6.8	61
160	Relationship between oxidation level and optical properties of secondary organic aerosol. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6349-57	10.3	222
159	Laboratory studies on secondary organic aerosol formation from crude oil vapors. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12566-74	10.3	36
158	Secondary organic aerosol formation and primary organic aerosol oxidation from biomass-burning smoke in a flow reactor during FLAME-3. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11551-11571	6.8	186
157	Observations of total RONO <sub>2</sub> over the boreal forest: NO <sub>x</sub> sinks and HNO <sub>3</sub> sources. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4543-4562	6.8	57

156	Modeling organic aerosol from the oxidation of Pinene in a Potential Aerosol Mass (PAM) chamber. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 5017-5031	6.8	21
155	Atmospheric oxidation chemistry and ozone production: Results from SHARP 2009 in Houston, Texas. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5770-5780	4.4	67
154	Urban measurements of atmospheric nitrous acid: A caveat on the interpretation of the HONO photostationary state. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 12,274-12,281	4.4	30
153	Global sensitivity analysis of ozone production and O <sub>3</sub> /Ox/VO <sub>C</sub> limitation based on field data. <i>Atmospheric Environment</i> , <b>2012</b> , 55, 288-296	5.3	21
152	Transitions from functionalization to fragmentation reactions of laboratory secondary organic aerosol (SOA) generated from the OH oxidation of alkane precursors. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5430-7	10.3	147
151	Global sensitivity analysis of the regional atmospheric chemical mechanism: an application of random sampling-high dimensional model representation to urban oxidation chemistry. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11162-70	10.3	13
150	Airborne intercomparison of HO <sub>x</sub> measurements using laser-induced fluorescence and chemical ionization mass spectrometry during ARCTAS <b>2012</b> ,		2
149	Airborne intercomparison of HO <sub>x</sub> measurements using laser-induced fluorescence and chemical ionization mass spectrometry during ARCTAS. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 2025-2037	4	23
148	Direct measurement of ozone production rates in Houston in 2009 and comparison with two estimation methods. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 1203-1212	6.8	29
147	Daytime HONO vertical gradients during SHARP 2009 in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 635-652	6.8	103
146	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8009-8020	6.8	175
145	Emissions of black carbon, organic, and inorganic aerosols from biomass burning in North America and Asia in 2008. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		166
144	Correction to Relationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particles. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	5
143	Characterization of aerosol photooxidation flow reactors: heterogeneous oxidation, secondary organic aerosol formation and cloud condensation nuclei activity measurements. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 445-461	4	233
142	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 12049-12064	6.8	418
141	Dependence of SOA oxidation on organic aerosol mass concentration and OH exposure: experimental PAM chamber studies. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1837-1852	6.8	90
140	Laboratory studies of the chemical composition and cloud condensation nuclei (CCN) activity of secondary organic aerosol (SOA) and oxidized primary organic aerosol (OPOA). <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8913-8928	6.8	247
139	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model [Part 2: Application to BEARPEX-2007 observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1269-1294	6.8	67

138	Detailed comparisons of airborne formaldehyde measurements with box models during the 2006 INTEX-B and MILAGRO campaigns: potential evidence for significant impacts of unmeasured and multi-generation volatile organic carbon compounds. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 11867-11894	6.8	32
137	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8883-8897	6.8	39
136	A Preliminary PAM Measurement of Ambient Air at Gosan, Jeju to Study the Secondary Aerosol Forming Potential. <i>Journal of Korean Society for Atmospheric Environment</i> , <b>2011</b> , 27, 534-544	1.5	3
135	Characterization of aerosol photooxidation flow reactors: heterogeneous oxidation, secondary organic aerosol formation and cloud condensation nuclei activity measurements <b>2010</b> ,		1
134	Measurement of Ozone Production Sensor. <i>Atmospheric Measurement Techniques</i> , <b>2010</b> , 3, 545-555	4	30
133	Relationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particles. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	227
132	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 2091-2115	6.8	37
131	Chemistry of hydrogen oxide radicals (HO <sub>x</sub> ) in the Arctic troposphere in spring. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 5823-5838	6.8	184
130	Observations of elevated formaldehyde over a forest canopy suggest missing sources from rapid oxidation of arboreal hydrocarbons. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 8761-8781	6.8	44
129	Atmospheric oxidation capacity in the summer of Houston 2006: Comparison with summer measurements in other metropolitan studies. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4107-4115	5.3	168
128	A comparison of chemical mechanisms based on TRAMP-2006 field data. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4116-4125	5.3	54
127	Deciphering the role of radical precursors during the Second Texas Air Quality Study. <i>Journal of the Air and Waste Management Association</i> , <b>2009</b> , 59, 1258-77	2.4	57
126	Summertime buildup and decay of lightning NO <sub>x</sub> and aged thunderstorm outflow above North America. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		29
125	Airborne observations of total RONO <sub>2</sub> : new constraints on the yield and lifetime of isoprene nitrates. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 1451-1463	6.8	80
124	Airborne measurement of OH reactivity during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 1636-1643	6.8	225
123	Chemistry and transport of pollution over the Gulf of Mexico and the Pacific: spring 2006 INTEX-B campaign overview and first results. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 2301-2318	6.8	206
122	Performance evaluation of an air quality forecast modeling system for a summer and winter season [Photochemical oxidants and their precursors. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 8585-8599	5.3	28
121	HO <sub>x</sub> chemistry during INTEX-A 2004: Observation, model calculation, and comparison with previous studies. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		142



120	Role of convection in redistributing formaldehyde to the upper troposphere over North America and the North Atlantic during the summer 2004 INTEX campaign. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		31
119	Unique isoprene oxidation products demonstrate chlorine atom chemistry occurs in the Houston, Texas urban area. <i>Journal of Atmospheric Chemistry</i> , <b>2008</b> , 61, 227-242	3.2	14
118	Influence of lateral and top boundary conditions on regional air quality prediction: A multiscale study coupling regional and global chemical transport models. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		68
117	Measurement of HO <sub>2</sub> NO <sub>2</sub> in the free troposphere during the Intercontinental Chemical Transport Experiment-North America 2004. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		60
116	Characterization of Wintertime Reactive Oxygen Species Concentrations in Flushing, New York. <i>Aerosol Science and Technology</i> , <b>2007</b> , 41, 97-111	3.4	70
115	Air quality in North America's most populous city [overview of the MCMA-2003 campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 2447-2473	6.8	257
114	Introducing the concept of Potential Aerosol Mass (PAM). <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5727-5744	6.8	221
113	Behavior of OH and HO <sub>2</sub> in the winter atmosphere in New York City. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 252-263	5.3	132
112	OH, HO <sub>2</sub> , and OH reactivity during the PMTACS-NY Whiteface Mountain 2002 campaign: Observations and model comparison. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		79
111	A reevaluation of airborne HO <sub>x</sub> observations from NASA field campaigns. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		63
110	On the flux of oxygenated volatile organic compounds from organic aerosol oxidation. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	47
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