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327 papers	18,267 citations	74 h-index	120 g-index
380 ext. papers	19,791 ext. citations	7.8 avg, IF	5.69 L-index

#	Paper	IF	Citations
327	The atmospheric input of trace species to the world ocean. *Global Biogeochemical Cycles*, **1991**, 5, 193-259	3.9	1272
326	A study of secondary organic aerosol formation in the anthropogenic-influenced southeastern United States. *Journal of Geophysical Research*, **2007**, 112,		446
325	Emissions from biomass burning in the Yucatan. *Atmospheric Chemistry and Physics*, **2009**, 9, 5785-5812	6.8	358
324	Hydrogen radicals, nitrogen radicals, and the production of O3 in the upper troposphere. *Science*, **1998**, 279, 49-53	33.3	300
323	Global transport of organic pollutants: ambient concentrations in the remote marine atmosphere. *Science*, **1981**, 211, 163-5	33.3	280
322	The detection of large HNO3-containing particles in the winter Arctic stratosphere. *Science*, **2001**, 291, 1026-31	33.3	251
321	Effect of petrochemical industrial emissions of reactive alkenes and NOx on tropospheric ozone formation in Houston, Texas. *Journal of Geophysical Research*, **2003**, 108,		225
320	Distribution and fate of selected oxygenated organic species in the troposphere and lower stratosphere over the Atlantic. *Journal of Geophysical Research*, **2000**, 105, 3795-3805		225
319	Chemical data quantify Deepwater Horizon hydrocarbon flow rate and environmental distribution. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20246-53	11.5	224
318	Age of stratospheric air unchanged within uncertainties over the past 30 years. *Nature Geoscience*, **2009**, 2, 28-31	18.3	222
317	Determination of urban volatile organic compound emission ratios and comparison with an emissions database. *Journal of Geophysical Research*, **2007**, 112,		218
316	Validation of the Aura Microwave Limb Sounder middle atmosphere water vapor and nitrous oxide measurements. *Journal of Geophysical Research*, **2007**, 112,		214
315	Observations of ozone formation in power plant plumes and implications for ozone control strategies. *Science*, **2001**, 292, 719-23	33.3	214
314	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. *Atmospheric Chemistry and Physics*, **2017**, 17, 2103-2162	6.8	206
313	Organic aerosol formation in urban and industrial plumes near Houston and Dallas, Texas. *Journal of Geophysical Research*, **2009**, 114,		196
312	. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1106-1121	8.1	191
311	Depletion of lower tropospheric ozone during Arctic spring: The Polar Sunrise Experiment 1988. *Journal of Geophysical Research*, **1990**, 95, 18555		188

310	Emissions from forest fires near Mexico City. *Atmospheric Chemistry and Physics*, **2007**, 7, 5569-5584	6.8	183
309	Phthalate Ester Plasticizers: A New Class of Marine Pollutant. *Science*, **1978**, 199, 419-421	33.3	183
308	Phthalate ester plasticizers: a new class of marine pollutant. *Science*, **1978**, 199, 419-421	33.3	175
307	Distributions of brominated organic compounds in the troposphere and lower stratosphere. *Journal of Geophysical Research*, **1999**, 104, 21513-21535		167
306	Oxalic acid in clear and cloudy atmospheres: Analysis of data from International Consortium for Atmospheric Research on Transport and Transformation 2004. *Journal of Geophysical Research*, **2006**, 111,		163
305	Multiyear trends in volatile organic compounds in Los Angeles, California: Five decades of decreasing emissions. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		158
304	Sources of particulate matter in the northeastern United States in summer: 1. Direct emissions and secondary formation of organic matter in urban plumes. *Journal of Geophysical Research*, **2008**, 113,		158
303	NMHCs and halocarbons in Asian continental outflow during the Transport and Chemical Evolution over the Pacific (TRACE-P) Field Campaign: Comparison With PEM-West B. *Journal of Geophysical Research*, **2003**, 108,		154
302	Bromine and iodine chemistry in a global chemistry-climate model: description and evaluation of very short-lived oceanic sources. *Atmospheric Chemistry and Physics*, **2012**, 12, 1423-1447	6.8	150
301	Volatile organic compounds composition of merged and aged forest fire plumes from Alaska and western Canada. *Journal of Geophysical Research*, **2006**, 111, n/a-n/a		149
300	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 4974-4990	4.4	146
299	Alkyl nitrates, nonmethane hydrocarbons, and halocarbon gases over the equatorial Pacific Ocean during SAGA 3. *Journal of Geophysical Research*, **1993**, 98, 16933		146
298	Observed OH and HO2 in the upper troposphere suggest a major source from convective injection of peroxides. *Geophysical Research Letters*, **1997**, 24, 3181-3184	4.9	143
297	NOAA gulf of Mexico status and trends program: Trace organic contaminant distribution in sediments and oysters. *Estuaries and Coasts*, **1988**, 11, 171		139
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294	Methyl halide emissions from savanna fires in southern Africa. *Journal of Geophysical Research*, **1996**, 101, 23603-23613		125
293	On the origin of tropospheric ozone and NOx over the tropical South Pacific. *Journal of Geophysical Research*, **1999**, 104, 5829-5843		123

292	Distribution of halon-1211 in the upper troposphere and lower stratosphere and the 1994 total bromine budget. *Journal of Geophysical Research*, **1998**, 103, 1513-1526		122
291	A study of the photochemistry and ozone budget during the Mauna Loa Observatory Photochemistry Experiment. *Journal of Geophysical Research*, **1992**, 97, 10463		121
290	Finding the missing stratospheric Br_y: a global modeling study of CHBr₃ and CH₂Br₂. *Atmospheric Chemistry and Physics*, **2010**, 10, 2269-2286	6.8	117
289	Effects of mixing on evolution of hydrocarbon ratios in the troposphere. *Journal of Geophysical Research*, **2007**, 112,		117
288	Measurements of halogenated organic compounds near the tropical tropopause. *Geophysical Research Letters*, **1993**, 20, 2567-2570	4.9	116
287	Signatures of terminal alkene oxidation in airborne formaldehyde measurements during TexAQS 2000. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		115
286	Evidence for C3 alkyl nitrates in rural and remote atmospheres. *Nature*, **1988**, 331, 426-428	50.4	115
285	Nocturnal isoprene oxidation over the Northeast United States in summer and its impact on reactive nitrogen partitioning and secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2009**, 9, 3027-3042	6.8	114
284	Tropospheric hydroxyl and atomic chlorine concentrations, and mixing timescales determined from hydrocarbon and halocarbon measurements made over the Southern Ocean. *Journal of Geophysical Research*, **1999**, 104, 21819-21828		110
283	Modeling the transport of very short-lived substances into the tropical upper troposphere and lower stratosphere. *Atmospheric Chemistry and Physics*, **2009**, 9, 9237-9247	6.8	105
282	On the sources of methane to the Los Angeles atmosphere. *Environmental Science & Technology*, **2012**, 46, 9282-9	10.3	104
281	Reactive uptake coefficients for N2O5 determined from aircraft measurements during the Second Texas Air Quality Study: Comparison to current model parameterizations. *Journal of Geophysical Research*, **2009**, 114,		104
280	Global sea-to-air flux climatology for bromoform, dibromomethane and methyl iodide. *Atmospheric Chemistry and Physics*, **2013**, 13, 8915-8934	6.8	103
279	Trace gas and particle emissions from open biomass burning in Mexico. *Atmospheric Chemistry and Physics*, **2011**, 11, 6787-6808	6.8	102
278	A new interpretation of total column BrO during Arctic spring. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	102
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275	Bromoform and dibromomethane in the tropics: a 3-D model study of chemistry and transport. *Atmospheric Chemistry and Physics*, **2010**, 10, 719-735	6.8	100

274	Rethinking reactive halogen budgets in the midlatitude lower stratosphere. *Geophysical Research Letters*, **1999**, 26, 1699-1702	4.9	100
273	Particle growth in urban and industrial plumes in Texas. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		95
272	Estimates of total organic and inorganic chlorine in the lower stratosphere from in situ and flask measurements during AASE II. *Journal of Geophysical Research*, **1995**, 100, 3057		94
271	Oceanic bromoform sources for the tropical atmosphere. *Geophysical Research Letters*, **2004**, 31,	4.9	93
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268	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. *Journal of Geophysical Research*, **2011**, 116,		89
267	Partitioning and budget of NO y species during the Mauna Loa Observatory Photochemistry Experiment. *Journal of Geophysical Research*, **1992**, 97, 10449		86
266	Extreme deuterium enrichment in stratospheric hydrogen and the global atmospheric budget of H2. *Nature*, **2003**, 424, 918-21	50.4	85
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251	The partitioning of nitrogen oxides in the lower Arctic troposphere during spring 1988. *Journal of Atmospheric Chemistry*, **1993**, 17, 15-27	3.2	73
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232	Air quality implications of the Deepwater Horizon oil spill. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20280-5	11.5	59
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229	Alkyl nitrate and selected halocarbon measurements at Mauna Loa Observatory, Hawaii. *Journal of Geophysical Research*, **1992**, 97, 10331		58
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212	Airborne measurements of ethene from industrial sources using laser photo-acoustic spectroscopy. *Environmental Science & Technology*, **2009**, 43, 2437-42	10.3	50
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205	Airborne observations of methane emissions from rice cultivation in the Sacramento Valley of California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
204	Investigating the sources and atmospheric processing of fine particles from Asia and the Northwestern United States measured during INTEX B. *Atmospheric Chemistry and Physics*, **2008**, 8, 1835-1853	6.8	48
203	Carbonyl sulfide and carbon disulfide: Large-scale distributions over the western Pacific and emissions from Asia during TRACE-P. *Journal of Geophysical Research*, **2004**, 109,		48

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201	Budget of tropospheric ozone during TOPSE from two chemical transport models. *Journal of Geophysical Research*, **2003**, 108,		48
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199	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. *Atmospheric Chemistry and Physics*, **2014**, 14, 4955-4978	6.8	47
198	Transport pathways and signatures of mixing in the extratropical tropopause region derived from Lagrangian model simulations. *Journal of Geophysical Research*, **2011**, 116,		47
197	Photochemical production and evolution of selected C2□5 alkyl nitrates in tropospheric air influenced by Asian outflow. *Journal of Geophysical Research*, **2003**, 108,		47
196	The seasonal evolution of NMHCs and light alkyl nitrates at middle to high northern latitudes during TOPSE. *Journal of Geophysical Research*, **2003**, 108,		46
195	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. *Atmospheric Chemistry and Physics*, **2013**, 13, 11317-11337	6.8	44
194	Global emissions of refrigerants HCFC-22 and HFC-134a: unforeseen seasonal contributions. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17379-84	11.5	42
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192	Large-scale ozone and aerosol distributions, air mass characteristics, and ozone fluxes over the western Pacific Ocean in late winter/early spring. *Journal of Geophysical Research*, **2003**, 108,		42
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