

Tong Zhu

List of Publications by Citations

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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.

402
papers

17,473
citations

69
h-index

114
g-index

479
ext. papers

20,696
ext. citations

7.7
avg, IF

6.75
L-index

#	Paper	IF	Citations
402	Contribution of dicofol to the current DDT pollution in China. <i>Environmental Science & Technology</i> , 2005 , 39, 4385-90	10.3	552
401	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4329-4373	6.8	459
400	Enhanced haze pollution by black carbon in megacities in China. <i>Geophysical Research Letters</i> , 2016 , 43, 2873-2879	4.9	399
399	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. <i>Environment International</i> , 2013 , 54, 100-11	12.9	329
398	A high-resolution ammonia emission inventory in China. <i>Global Biogeochemical Cycles</i> , 2012 , 26, n/a-n/a	5.9	319
397	Environmental health in China: progress towards clean air and safe water. <i>Lancet, The</i> , 2010 , 375, 1110-940		301
396	Air pollutant emissions from Chinese households: A major and underappreciated ambient pollution source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7756-61	11.5	292
395	Organochlorine pesticides in the air around the Taihu Lake, China. <i>Environmental Science & Technology</i> , 2004 , 38, 1368-74	10.3	283
394	Highly time-resolved chemical characterization of atmospheric submicron particles during 2008 Beijing Olympic Games using an Aerodyne High-Resolution Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8933-8945	6.8	269
393	Association between changes in air pollution levels during the Beijing Olympics and biomarkers of inflammation and thrombosis in healthy young adults. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 2068-78	27.4	265
392	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10529-10566	6.8	261
391	"What We Breathe Impacts Our Health: Improving Understanding of the Link between Air Pollution and Health". <i>Environmental Science & Technology</i> , 2016 , 50, 4895-904	10.3	229
390	Estimating adult mortality attributable to PM2.5 exposure in China with assimilated PM2.5 concentrations based on a ground monitoring network. <i>Science of the Total Environment</i> , 2016 , 568, 1253-1262	10.2	204
389	Association of selected persistent organic pollutants in the placenta with the risk of neural tube defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12770-5	11.5	200
388	High-resolution ammonia emissions inventories in China from 1980 to 2012. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2043-2058	6.8	185
387	Climate change. Clean air for megacities. <i>Science</i> , 2009 , 326, 674-5	33.3	175
386	Seasonal variation of chemical species associated with short-term mortality effects of PM(2.5) in Xi'an, a Central City in China. <i>American Journal of Epidemiology</i> , 2012 , 175, 556-66	3.8	174

385	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7760-7765	11.5	172
384	The impact of circulation patterns on regional transport pathways and air quality over Beijing and its surroundings. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5031-5053	6.8	167
383	Inflammatory and oxidative stress responses of healthy young adults to changes in air quality during the Beijing Olympics. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 1150-9	10.2	163
382	The roles of sulfuric acid in new particle formation and growth in the mega-city of Beijing. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4953-4960	6.8	158
381	Chemical characteristics of inorganic ammonium salts in PM _{2.5} in the atmosphere of Beijing (China). <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10803-10822	6.8	154
380	Rapid aerosol particle growth and increase of cloud condensation nucleus activity by secondary aerosol formation and condensation: A case study for regional air pollution in northeastern China. <i>Journal of Geophysical Research</i> , 2009 , 114,		153
379	Atmospheric fluxes of organic N and P to the global ocean. <i>Global Biogeochemical Cycles</i> , 2012 , 26,	5.9	152
378	Missing OH source in a suburban environment near Beijing: observed and modelled OH and HO ₂ concentrations in summer 2006. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1057-1080	6.8	148
377	Impacts of atmospheric nutrient deposition on marine productivity: Roles of nitrogen, phosphorus, and iron. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	148
376	Acute respiratory inflammation in children and black carbon in ambient air before and during the 2008 Beijing Olympics. <i>Environmental Health Perspectives</i> , 2011 , 119, 1507-12	8.4	148
375	Fine particle pH during severe haze episodes in northern China. <i>Geophysical Research Letters</i> , 2017 , 44, 5213-5221	4.9	147
374	Linking Urbanization and the Environment: Conceptual and Empirical Advances. <i>Annual Review of Environment and Resources</i> , 2017 , 42, 215-240	17.2	141
373	Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. <i>FASEB Journal</i> , 2016 , 30, 2115-22	0.9	137
372	Use of a mobile laboratory to evaluate changes in on-road air pollutants during the Beijing 2008 Summer Olympics. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 8247-8263	6.8	137
371	Kinetics and products of the reactions of nitrate radical with monoalkenes, dialkenes, and monoterpenes. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 2413-2419		136
370	Estimated acute effects of ambient ozone and nitrogen dioxide on mortality in the Pearl River Delta of southern China. <i>Environmental Health Perspectives</i> , 2012 , 120, 393-8	8.4	129
369	Spatiotemporal continuous estimates of PM concentrations in China, 2000-2016: A machine learning method with inputs from satellites, chemical transport model, and ground observations. <i>Environment International</i> , 2019 , 123, 345-357	12.9	129
368	Vehicle Emissions as an Important Urban Ammonia Source in the United States and China. <i>Environmental Science & Technology</i> , 2017 , 51, 2472-2481	10.3	128

367	Occurrence of gas phase ammonia in the area of Beijing (China). <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9487-9503	6.8	125
366	Summertime photochemistry during CAREBeijing-2007: RO ₂ budgets and O ₃ formation. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7737-7752	6.8	123
365	Polybrominated diphenyl ethers (PBDEs) and other flame retardants in the atmosphere and water from Taihu Lake, East China. <i>Chemosphere</i> , 2010 , 80, 1207-12	8.4	123
364	Highly time-resolved chemical characterization of atmospheric fine particles during 2010 Shanghai World Expo. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4897-4907	6.8	117
363	Cloud condensation nuclei (CCN) from fresh and aged air pollution in the megacity region of Beijing. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11023-11039	6.8	115
362	Rapid flu diagnosis using silicon nanowire sensor. <i>Nano Letters</i> , 2012 , 12, 3722-30	11.5	114
361	High N ₂ O ₅ Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 416-420	11	113
360	Kinetics and mechanism of heterogeneous oxidation of sulfur dioxide by ozone on surface of calcium carbonate. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 2453-2464	6.8	113
359	A modeling analysis of a heavy air pollution episode occurred in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 3103-3114	6.8	111
358	Ozone and haze pollution weakens net primary productivity in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 6073-6089	6.8	105
357	State of polybrominated diphenyl ethers in China: an overview. <i>Chemosphere</i> , 2012 , 88, 769-78	8.4	101
356	Maximum efficiency in the hydroxyl-radical-based self-cleansing of the troposphere. <i>Nature Geoscience</i> , 2014 , 7, 559-563	18.3	95
355	Pathways of sulfate enhancement by natural and anthropogenic mineral aerosols in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 14,165-14,179	4.4	92
354	Air pollution and autonomic and vascular dysfunction in patients with cardiovascular disease: interactions of systemic inflammation, overweight, and gender. <i>American Journal of Epidemiology</i> , 2012 , 176, 117-26	3.8	86
353	Influence of soot mixing state on aerosol light absorption and single scattering albedo during air mass aging at a polluted regional site in northeastern China. <i>Journal of Geophysical Research</i> , 2009 , 114,		86
352	Megacities and large urban agglomerations in the coastal zone: interactions between atmosphere, land, and marine ecosystems. <i>Ambio</i> , 2013 , 42, 13-28	6.5	85
351	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11727-11777	6.8	85
350	Enhanced formation of fine particulate nitrate at a rural site on the North China Plain in summer: The important roles of ammonia and ozone. <i>Atmospheric Environment</i> , 2015 , 101, 294-302	5.3	85

349	Aerosol optical properties observed during Campaign of Air Quality Research in Beijing 2006 (CAREBeijing-2006): Characteristic differences between the inflow and outflow of Beijing city air. <i>Journal of Geophysical Research</i> , 2009 , 114,		83
348	Comparisons of ultrafine and fine particles in their associations with biomarkers reflecting physiological pathways. <i>Environmental Science & Technology</i> , 2014 , 48, 5264-73	10.3	79
347	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids, and benzoic acid in urban aerosols collected during the 2006 Campaign of Air Quality Research in Beijing (CAREBeijing-2006). <i>Journal of Geophysical Research</i> , 2010 , 115,		77
346	Spatial and temporal variations of aerosols around Beijing in summer 2006: Model evaluation and source apportionment. <i>Journal of Geophysical Research</i> , 2009 , 114,		77
345	Near UV absorption spectra and photolysis products of difunctional organic nitrates: Possible importance as NO _x reservoirs. <i>Journal of Atmospheric Chemistry</i> , 1993 , 17, 353-373	3.2	77
344	Rate constants for the reactions of Br atoms with a series of alkanes, alkenes, and alkynes in the presence of O ₂ . <i>International Journal of Chemical Kinetics</i> , 1989 , 21, 499-517	1.4	75
343	Observation of organochlorine pesticides in the air of the Mt. Everest region. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 63, 33-41	7	74
342	Rapid SO ₂ emission reductions significantly increase tropospheric ammonia concentrations over the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17933-17943	6.8	74
341	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7519-7546	6.8	73
340	Modification of the effects of air pollutants on mortality by temperature: A systematic review and meta-analysis. <i>Science of the Total Environment</i> , 2017 , 575, 1556-1570	10.2	72
339	Transport solutions for cleaner air. <i>Science</i> , 2016 , 352, 934-6	33.3	72
338	Ethylene and hydrogen peroxide are involved in brassinosteroid-induced salt tolerance in tomato. <i>Scientific Reports</i> , 2016 , 6, 35392	4.9	71
337	Rapid improvement of PM _{2.5} pollution and associated health benefits in China during 2013-2017. <i>Science China Earth Sciences</i> , 2019 , 62, 1847-1856	4.6	71
336	Rapid inactivation of biological species in the air using atmospheric pressure nonthermal plasma. <i>Environmental Science & Technology</i> , 2012 , 46, 3360-8	10.3	71
335	Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijing-2006. <i>Journal of Geophysical Research</i> , 2009 , 114,		71
334	The impact of power generation emissions on ambient PM pollution and human health in China and India. <i>Environment International</i> , 2018 , 121, 250-259	12.9	70
333	Evidence of reactive aromatics as a major source of peroxy acetyl nitrate over China. <i>Environmental Science & Technology</i> , 2010 , 44, 7017-22	10.3	69
332	Air quality, health, and climate implications of China's synthetic natural gas development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4887-4892	11.5	68

331	Variability of submicron aerosol observed at a rural site in Beijing in the summer of 2006. <i>Journal of Geophysical Research</i> , 2009 , 114,		68
330	Physicochemical characteristics and toxic effects of ozone-oxidized black carbon particles. <i>Atmospheric Environment</i> , 2013 , 81, 68-75	5.3	66
329	Occurrence of atmospheric nitrous acid in the urban area of Beijing (China). <i>Science of the Total Environment</i> , 2013 , 447, 210-24	10.2	65
328	Ethylene is Involved in Brassinosteroids Induced Alternative Respiratory Pathway in Cucumber (<i>Cucumis sativus</i> L.) Seedlings Response to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 982	6.2	65
327	Investigation of the hygroscopic properties of Ca(NO ₃) ₂ and internally mixed Ca(NO ₃) ₂ /CaCO ₃ particles by micro-Raman spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 7205-7215	6.8	65
326	The roles of heterogeneous chemical processes in the formation of an air pollution complex and gray haze. <i>Science China Chemistry</i> , 2011 , 54, 145-153	7.9	64
325	Effects on IL-1 β signaling activation induced by water and organic extracts of fine particulate matter (PM) in vitro. <i>Environmental Pollution</i> , 2018 , 237, 592-600	9.3	63
324	Malondialdehyde in exhaled breath condensate and urine as a biomarker of air pollution induced oxidative stress. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013 , 23, 322-7	6.7	63
323	Kinetics and mechanisms of heterogeneous reaction of NO ₂ on CaCO ₃ surfaces under dry and wet conditions. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 463-474	6.8	63
322	Declines in mental health associated with air pollution and temperature variability in China. <i>Nature Communications</i> , 2019 , 10, 2165	17.4	62
321	Sources and oxidative potential of water-soluble humic-like substances (HULIS _{WS}) in fine particulate matter (PM _{2.5}) in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5607-5617	6.8	62
320	Using the o,p'-DDT/p,p'-DDT ratio to identify DDT sources in China. <i>Chemosphere</i> , 2010 , 81, 1033-8	8.4	61
319	Evidence of aerosols as a media for rapid daytime HONO production over China. <i>Environmental Science & Technology</i> , 2014 , 48, 14386-91	10.3	60
318	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4477-4491	6.8	60
317	Source analysis of volatile organic compounds by positive matrix factorization in urban and rural environments in Beijing. <i>Journal of Geophysical Research</i> , 2009 , 114,		60
316	Integrating silicon nanowire field effect transistor, microfluidics and air sampling techniques for real-time monitoring biological aerosols. <i>Environmental Science & Technology</i> , 2011 , 45, 7473-80	10.3	59
315	A quantitative assessment of source contributions to fine particulate matter (PM)-bound polycyclic aromatic hydrocarbons (PAHs) and their nitrated and hydroxylated derivatives in Hong Kong. <i>Environmental Pollution</i> , 2016 , 219, 742-749	9.3	58
314	Potential impacts of cold frontal passage on air quality over the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3673-3685	6.8	57

313	Commuter exposure to particulate matter and particle-bound PAHs in three transportation modes in Beijing, China. <i>Environmental Pollution</i> , 2015 , 204, 199-206	9.3	57
312	Atmospheric PAHs in North China: Spatial distribution and sources. <i>Science of the Total Environment</i> , 2016 , 565, 994-1000	10.2	56
311	Exposure to typical persistent organic pollutants from an electronic waste recycling site in Northern China. <i>Chemosphere</i> , 2013 , 91, 205-11	8.4	56
310	Role of secondary aerosols in haze formation in summer in the Megacity Beijing. <i>Journal of Environmental Sciences</i> , 2015 , 31, 51-60	6.4	55
309	Sensitivity of ozone to precursor emissions in urban Beijing with a Monte Carlo scheme. <i>Atmospheric Environment</i> , 2010 , 44, 3833-3842	5.3	55
308	Measuring the morphology and density of internally mixed black carbon with SP2 and VTDMA: new insight into the absorption enhancement of black carbon in the atmosphere. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1833-1843	4	55
307	Direct Radiative Effect by Multicomponent Aerosol over China*. <i>Journal of Climate</i> , 2015 , 28, 3472-3495	4.4	54
306	Measurement of atmospheric hydrogen peroxide and organic peroxides in Beijing before and during the 2008 Olympic Games: Chemical and physical factors influencing their concentrations. <i>Journal of Geophysical Research</i> , 2010 , 115,		54
305	Oxidant (O ₃ + NO ₂) production processes and formation regimes in Beijing. <i>Journal of Geophysical Research</i> , 2010 , 115,		53
304	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids and benzoic acid in PM _{2.5} ; aerosol collected during CAREBeijing-2007: an effect of traffic restriction on air quality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3111-3123	6.8	52
303	Air-water gas exchange of organochlorine pesticides in Taihu Lake, China. <i>Environmental Science & Technology</i> , 2008 , 42, 1928-32	10.3	52
302	Cardiorespiratory biomarker responses in healthy young adults to drastic air quality changes surrounding the 2008 Beijing Olympics. <i>Research Report (health Effects Institute)</i> , 2013 , 5-174	0.9	52
301	Performance of an Aerodyne Aerosol Mass Spectrometer (AMS) during Intensive Campaigns in China in the Summer of 2006. <i>Aerosol Science and Technology</i> , 2009 , 43, 189-204	3.4	51
300	Hydroxyl radical generation mechanism during the redox cycling process of 1,4-naphthoquinone. <i>Environmental Science & Technology</i> , 2012 , 46, 2935-42	10.3	50
299	Measurements of gaseous H ₂ SO ₄ by AP-ID-CIMS during CAREBeijing 2008 Campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 7755-7765	6.8	50
298	Measurement of NO _y during Campaign of Air Quality Research in Beijing 2006 (CAREBeijing-2006): Implications for the ozone production efficiency of NO _x . <i>Journal of Geophysical Research</i> , 2009 , 114,		50
297	Distribution and cycling of dimethylsulfide (DMS) and dimethylsulfoniopropionate (DMSP) in the sea-surface microlayer of the Yellow Sea, China, in spring. <i>Continental Shelf Research</i> , 2008 , 28, 2417-2427	2.4	50
296	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4643-4657	4	49

295	Interactive enhancements of ascorbic acid and iron in hydroxyl radical generation in quinone redox cycling. <i>Environmental Science & Technology</i> , 2012 , 46, 10302-9	10.3	49
294	Photoactivated Graphene Oxide to Enhance Photocatalytic Reduction of CO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3580-3591	9.5	49
293	Nrf2 protects against diverse PM components-induced mitochondrial oxidative damage in lung cells. <i>Science of the Total Environment</i> , 2019 , 669, 303-313	10.2	48
292	The use of vacuum ultraviolet irradiation to oxidize SO ₂ and NO _x for simultaneous desulfurization and denitrification. <i>Journal of Hazardous Materials</i> , 2014 , 271, 89-97	12.8	48
291	High Levels of Daytime Molecular Chlorine and Nitryl Chloride at a Rural Site on the North China Plain. <i>Environmental Science & Technology</i> , 2017 , 51, 9588-9595	10.3	48
290	The role of meteorological conditions and pollution control strategies in reducing air pollution in Beijing during APEC 2014 and Victory Parade 2015. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13921-13940	6.8	48
289	Impact of pollution controls in Beijing on atmospheric oxygenated volatile organic compounds (OVOCs) during the 2008 Olympic Games: observation and modeling implications. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3045-3062	6.8	48
288	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. <i>Nature Communications</i> , 2021 , 12, 1993	17.4	47
287	Photochemical production of ozone in Beijing during the 2008 Olympic Games. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9825-9837	6.8	46
286	Development of an Automated Electrostatic Sampler (AES) for Bioaerosol Detection. <i>Aerosol Science and Technology</i> , 2011 , 45, 1154-1160	3.4	46
285	Relaxed Eddy-Accumulation Technique for Measuring Ammonia Volatilization. <i>Environmental Science & Technology</i> , 2000 , 34, 199-203	10.3	46
284	Daytime HONO formation in the suburban area of the megacity Beijing, China. <i>Science China Chemistry</i> , 2014 , 57, 1032-1042	7.9	45
283	Kinetic study of the gas-phase reactions of OH and NO ₃ radicals and O ₃ with selected vinyl ethers. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7386-92	2.8	45
282	Airborne nitro-PAHs induce Nrf2/ARE defense system against oxidative stress and promote inflammatory process by activating PI3K/Akt pathway in A549 cells. <i>Toxicology in Vitro</i> , 2017 , 44, 66-73	3.6	44
281	FTIR spectroscopic study of the reaction of trifluoromethoxy radical with nitric oxide: evidence for CF ₃ O + NO → CF ₂ O + FNO. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 6115-6117		44
280	Sensitivity of predicted pollutant levels to urbanization in China. <i>Atmospheric Environment</i> , 2012 , 60, 544-554	5.3	43
279	Mitigation pathways of air pollution from residential emissions in the Beijing-Tianjin-Hebei region in China. <i>Environment International</i> , 2019 , 125, 236-244	12.9	43
278	Air stagnation in China (1985-2014): climatological mean features and trends. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7793-7805	6.8	42

277	Association between size-segregated particles in ambient air and acute respiratory inflammation. <i>Science of the Total Environment</i> , 2016 , 565, 412-419	10.2	41
276	Multiphase oxidation of SO ₂ by NO ₂ on CaCO ₃ particles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2481-2493	6.8	40
275	SO ₂ Uptake on Oleic Acid: A New Formation Pathway of Organosulfur Compounds in the Atmosphere. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 67-72	11	40
274	Measurement of inflammation and oxidative stress following drastic changes in air pollution during the Beijing Olympics: a panel study approach. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1203, 160-7	6.5	40
273	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4643-4657	4	39
272	Investigation of the chemical components of ambient fine particulate matter (PM) associated with in vitro cellular responses to oxidative stress and inflammation. <i>Environment International</i> , 2020 , 136, 105475	12.9	39
271	Association between changes in exposure to air pollution and biomarkers of oxidative stress in children before and during the Beijing Olympics. <i>American Journal of Epidemiology</i> , 2015 , 181, 575-83	3.8	38
270	Urinary Metabolites of Polycyclic Aromatic Hydrocarbons and the Association with Lipid Peroxidation: A Biomarker-Based Study between Los Angeles and Beijing. <i>Environmental Science & Technology</i> , 2016 , 50, 3738-45	10.3	38
269	Improving mesoscale modeling using satellite-derived land surface parameters in the Pearl River Delta region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 6325-6346	4.4	37
268	Impacts of anthropogenic SO _x , NO _x and NH ₃ on acidification of coastal waters and shipping lanes. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	37
267	Harvest season, high polluted season in East China. <i>Environmental Research Letters</i> , 2012 , 7, 044033	6.2	37
266	Long path ftir spectroscopic study of the reactions of CF ₃ O radicals with ethane and propane. <i>Geophysical Research Letters</i> , 1992 , 19, 2215-2218	4.9	37
265	Climatological study of the Boundary-layer air Stagnation Index for China and its relationship with air pollution. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7573-7593	6.8	36
264	Heterogeneous oxidation of sulfur dioxide by ozone on the surface of sodium chloride and its mixtures with other components. <i>Journal of Geophysical Research</i> , 2007 , 112,		36
263	Seasonal variations in fine particle composition from Beijing prompt oxidative stress response in mouse lung and liver. <i>Science of the Total Environment</i> , 2018 , 626, 147-155	10.2	35
262	Mixing state of nonvolatile aerosol particle fractions and comparison with light absorption in the polluted Beijing region. <i>Journal of Geophysical Research</i> , 2009 , 114,		35
261	Herbicides volatilization measured by the relaxed eddy-accumulation technique using two trapping media. <i>Agricultural and Forest Meteorology</i> , 1995 , 76, 201-220	5.8	35
260	Nitric oxide is involved in brassinosteroid-induced alternative respiratory pathway in <i>Nicotiana benthamiana</i> seedlings' response to salt stress. <i>Physiologia Plantarum</i> , 2016 , 156, 150-163	4.6	34

259	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5605-5613	6.8	34
258	Nighttime observation and chemistry of HO ₂ in the Pearl River Delta and Beijing in summer 2006. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4979-4999	6.8	34
257	Heterogeneous reaction of SO ₂ on TiO ₂ particles. <i>Science China Chemistry</i> , 2010 , 53, 2637-2643	7.9	34
256	Downward transport of ozone-rich air near Mt. Everest. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	34
255	Characteristics of carbonaceous aerosols: Impact of biomass burning and secondary formation in summertime in a rural area of the North China Plain. <i>Science of the Total Environment</i> , 2016 , 557-558, 520-30	10.2	33
254	Marine aerosol size distributions in the springtime over China adjacent seas. <i>Atmospheric Environment</i> , 2007 , 41, 6784-6796	5.3	32
253	Reduced in vitro toxicity of fine particulate matter collected during the 2008 Summer Olympic Games in Beijing: the roles of chemical and biological components. <i>Toxicology in Vitro</i> , 2013 , 27, 2084-93	3.6	31
252	Size-fractionated ultrafine particles and black carbon associated with autonomic dysfunction in subjects with diabetes or impaired glucose tolerance in Shanghai, China. <i>Particle and Fibre Toxicology</i> , 2015 , 12, 8	8.4	31
251	Polybromobenzene pollutants in the atmosphere of North China: levels, distribution, and sources. <i>Environmental Science & Technology</i> , 2013 , 47, 12761-7	10.3	31
250	Efficient photoelectrocatalytic reduction of Cr(VI) using TiO ₂ nanotube arrays as the photoanode and a large-area titanium mesh as the photocathode. <i>Journal of Molecular Catalysis A</i> , 2011 , 335, 242-247		31
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