

Ke-Ding Lu

List of Publications by Year in descending order

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128
papers

7,955
citations

38742

50
h-index

58581

82
g-index

214
all docs

214
docs citations

214
times ranked

4219
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of sulfate aerosol formation mechanisms during winter polluted periods. <i>Journal of Environmental Sciences</i> , 2023, 123, 387-399.	6.1	20
2	Progress in quantitative research on the relationship between atmospheric oxidation and air quality. <i>Journal of Environmental Sciences</i> , 2023, 123, 350-366.	6.1	5
3	Particle hygroscopicity inhomogeneity and its impact on reactive uptake. <i>Science of the Total Environment</i> , 2022, 811, 151364.	8.0	8
4	Atmospheric measurements at Mt. Tai – Part II: HONO budget and radical (OH, HO ₂ , NO ₃ , and SO ₄) chemistry in the lower boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1035-1057.	4.9	7
5	NO ₃ uptake onto saline mineral dust: a potential missing source of tropospheric ClONO ₂ in inland China. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1845-1859.	4.9	7
6	Interpretation of NO ₃ uptake onto SO ₄ observation via steady state in high-aerosol air mass: the impact of equilibrium coefficient in ambient conditions. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3525-3533.	4.9	7
7	Atmospheric measurements at Mt. Tai – Part I: HONO formation and its role in the oxidizing capacity of the upper boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3149-3167.	4.9	12
8	Reduced Aerosol Uptake of Hydroperoxyl Radical May Increase the Sensitivity of Ozone Production to Volatile Organic Compounds. <i>Environmental Science and Technology Letters</i> , 2022, 9, 22-29.	8.7	16
9	Observation-Based Estimations of Relative Ozone Impacts by Using Volatile Organic Compounds Reactivities. <i>Environmental Science and Technology Letters</i> , 2022, 9, 10-15.	8.7	10
10	Intercomparison of OH radical measurement in a complex atmosphere in Chengdu, China. <i>Science of the Total Environment</i> , 2022, 838, 155924.	8.0	2
11	Anthropogenic monoterpenes aggravating ozone pollution. <i>National Science Review</i> , 2022, 9, .	9.5	17
12	OH and HO ₂ radical chemistry at a suburban site during the EXPLORE-YRD campaign in 2018. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7005-7028.	4.9	19
13	Strong impacts of biomass burning, nitrogen fertilization, and fine particles on gas-phase hydrogen peroxide (H ₂ O ₂). <i>Science of the Total Environment</i> , 2022, 843, 156997.	8.0	2
14	Cross-regional transport of PM _{2.5} nitrate in the Pearl River Delta, China: Contributions and mechanisms. <i>Science of the Total Environment</i> , 2021, 753, 142439.	8.0	18
15	Elucidating the effect of HONO on O ₃ pollution by a case study in southwest China. <i>Science of the Total Environment</i> , 2021, 756, 144127.	8.0	23
16	Effects of biomass burning and photochemical oxidation on the black carbon mixing state and light absorption in summer season. <i>Atmospheric Environment</i> , 2021, 248, 118230.	4.1	12
17	Spatiotemporal variation, sources, and secondary transformation potential of volatile organic compounds in Xi'an, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4939-4958.	4.9	52
18	Secondary Production of Gaseous Nitrated Phenols in Polluted Urban Environments. <i>Environmental Science & Technology</i> , 2021, 55, 4410-4419.	10.0	26

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19	Uptake of Water-soluble Gas-phase Oxidation Products Drives Organic Particulate Pollution in Beijing. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091351.	4.0	24
20	Coupled Air Quality and Boundary-Layer Meteorology in Western U.S. Basins during Winter: Design and Rationale for a Comprehensive Study. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E2012-E2033.	3.3	14
21	Vertical Profiles of Volatile Organic Compounds in Suburban Shanghai. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1177-1187.	4.3	10
22	Thermal dissociation cavity-enhanced absorption spectrometer for measuring NO ₂ , RO ₂ , and RONO ₂ in the atmosphere. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4033-4051.	3.1	8
23	Observations and modeling of OH and HO ₂ radicals in Chengdu, China in summer 2019. <i>Science of the Total Environment</i> , 2021, 772, 144829.	8.0	28
24	New particle formation and its CCN enhancement in the Yangtze River Delta under the control of continental and marine air masses. <i>Atmospheric Environment</i> , 2021, 254, 118400.	4.1	5
25	Elucidating the quantitative characterization of atmospheric oxidation capacity in Beijing, China. <i>Science of the Total Environment</i> , 2021, 771, 145306.	8.0	27
26	Impact of aerosol-radiation interaction on new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9995-10004.	4.9	9
27	Assessing the Ratios of Formaldehyde and Glyoxal to NO ₂ as Indicators of O ₃ -NO _x -VOC Sensitivity. <i>Environmental Science & Technology</i> , 2021, 55, 10935-10945.	10.0	27
28	Critical Role of Simultaneous Reduction of Atmospheric Odd Oxygen for Winter Haze Mitigation. <i>Environmental Science & Technology</i> , 2021, 55, 11557-11567.	10.0	21
29	An Observational Based Modeling of the Surface Layer Particulate Nitrate in the North China Plain During Summertime. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035623.	3.3	8
30	A comprehensive observation-based multiphase chemical model analysis of sulfur dioxide oxidations in both summer and winter. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13713-13727.	4.9	11
31	Quantifying the role of PM _{2.5} dropping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. <i>Science of the Total Environment</i> , 2021, 788, 147712.	8.0	54
32	Impacts of chlorine chemistry and anthropogenic emissions on secondary pollutants in the Yangtze river delta region. <i>Environmental Pollution</i> , 2021, 287, 117624.	7.5	13
33	Characterizing nitrate radical budget trends in Beijing during 2013-2019. <i>Science of the Total Environment</i> , 2021, 795, 148869.	8.0	17
34	Direct evidence of local photochemical production driven ozone episode in Beijing: A case study. <i>Science of the Total Environment</i> , 2021, 800, 148868.	8.0	21
35	Agricultural Fertilization Aggravates Air Pollution by Stimulating Soil Nitrous Acid Emissions at High Soil Moisture. <i>Environmental Science & Technology</i> , 2021, 55, 14556-14566.	10.0	27
36	Chemical Production of Oxygenated Volatile Organic Compounds Strongly Enhances Boundary-Layer Oxidation Chemistry and Ozone Production. <i>Environmental Science & Technology</i> , 2021, 55, 13718-13727.	10.0	31

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37	Measurement of gaseous and particulate formaldehyde in the Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2020, 224, 117114.	4.1	16
38	NO ₃ and N ₂ O ₅ chemistry at a suburban site during the EXPLORE-YRD campaign in 2018. <i>Atmospheric Environment</i> , 2020, 224, 117180.	4.1	28
39	An explicit study of local ozone budget and NO _x -VOCs sensitivity in Shenzhen China. <i>Atmospheric Environment</i> , 2020, 224, 117304.	4.1	85
40	Field measurement of the organic peroxy radicals by the low-pressure reactor plus laser-induced fluorescence spectroscopy. <i>Chinese Chemical Letters</i> , 2020, 31, 2799-2802.	9.0	8
41	Observations of glyoxal and methylglyoxal in a suburban area of the Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2020, 238, 117727.	4.1	10
42	The trend of surface ozone in Beijing from 2013 to 2019: Indications of the persisting strong atmospheric oxidation capacity. <i>Atmospheric Environment</i> , 2020, 242, 117801.	4.1	72
43	Heterogeneous N ₂ O ₅ reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4367-4378.	4.9	33
44	Mutual promotion between aerosol particle liquid water and particulate nitrate enhancement leads to severe nitrate-dominated particulate matter pollution and low visibility. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2161-2175.	4.9	74
45	Field Determination of Nitrate Formation Pathway in Winter Beijing. <i>Environmental Science & Technology</i> , 2020, 54, 9243-9253.	10.0	69
46	Wintertime N ₂ O ₅ uptake coefficients over the North China Plain. <i>Science Bulletin</i> , 2020, 65, 765-774.	9.0	27
47	No Evidence for a Significant Impact of Heterogeneous Chemistry on Radical Concentrations in the North China Plain in Summer 2014. <i>Environmental Science & Technology</i> , 2020, 54, 5973-5979.	10.0	67
48	Model bias in simulating major chemical components of PM _{2.5} in China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12265-12284.	4.9	25
49	Influence of aerosol copper on HO ₂ uptake: a novel parameterized equation. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15835-15850.	4.9	14
50	Calculation of maximum incremental reactivity scales based on typical megacities in China. <i>Chinese Science Bulletin</i> , 2020, 65, 610-621.	0.7	4
51	Exploring atmospheric free-radical chemistry in China: the self-cleansing capacity and the formation of secondary air pollution. <i>National Science Review</i> , 2019, 6, 579-594.	9.5	123
52	Fast Photochemistry in Wintertime Haze: Consequences for Pollution Mitigation Strategies. <i>Environmental Science & Technology</i> , 2019, 53, 10676-10684.	10.0	147
53	Monitoring Ambient Nitrate Radical by Open-Path Cavity-Enhanced Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 10687-10693.	6.5	12
54	Measurements of HO ₂ uptake coefficient on aqueous (NH ₄) ₂ SO ₄ aerosol using aerosol flow tube with LIF system. <i>Chinese Chemical Letters</i> , 2019, 30, 2236-2240.	9.0	16

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55	Significant impact of heterogeneous reactions of reactive chlorine species on summertime atmospheric ozone and free-radical formation in north China. <i>Science of the Total Environment</i> , 2019, 693, 133580.	8.0	29
56	Winter photochemistry in Beijing: Observation and model simulation of OH and HO ₂ radicals at an urban site. <i>Science of the Total Environment</i> , 2019, 685, 85-95.	8.0	91
57	Experimental budgets of OH, HO ₂ , and RO ₂ radicals and implications for ozone formation in the Pearl River Delta in China 2014. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7129-7150.	4.9	92
58	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.	4.9	95
59	Daytime atmospheric oxidation capacity in four Chinese megacities during the photochemically polluted season: a case study based on box model simulation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3493-3513.	4.9	145
60	A Comprehensive Model Test of the HONO Sources Constrained to Field Measurements at Rural North China Plain. <i>Environmental Science & Technology</i> , 2019, 53, 3517-3525.	10.0	81
61	Spatial characteristics of the nighttime oxidation capacity in the Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2019, 208, 150-157.	4.1	22
62	Petrochemical and Industrial Sources of Volatile Organic Compounds Analyzed via Regional Wind-Driven Network in Shanghai. <i>Atmosphere</i> , 2019, 10, 760.	2.3	8
63	Sources and abatement mechanisms of VOCs in southern China. <i>Atmospheric Environment</i> , 2019, 201, 28-40.	4.1	73
64	Observations of OH Radical Reactivity in Field Studies. <i>Acta Chimica Sinica</i> , 2019, 77, 613.	1.4	11
65	Aerosol Liquid Water Driven by Anthropogenic Inorganic Salts: Implying Its Key Role in Haze Formation over the North China Plain. <i>Environmental Science and Technology Letters</i> , 2018, 5, 160-166.	8.7	165
66	Exploring ozone pollution in Chengdu, southwestern China: A case study from radical chemistry to O ₃ -VOC-NO _x sensitivity. <i>Science of the Total Environment</i> , 2018, 636, 775-786.	8.0	230
67	Observations of fine particulate nitrated phenols in four sites in northern China: concentrations, source apportionment, and secondary formation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4349-4359.	4.9	67
68	Exploration of the formation mechanism and source attribution of ambient ozone in Chongqing with an observation-based model. <i>Science China Earth Sciences</i> , 2018, 61, 23-32.	5.2	30
69	Intercomparison of in situ CRDS and CEAS for measurements of atmospheric N ₂ O ₅ in Beijing, China. <i>Science of the Total Environment</i> , 2018, 613-614, 131-139.	8.0	11
70	Simulation of organic nitrates in Pearl River Delta in 2006 and the chemical impact on ozone production. <i>Science China Earth Sciences</i> , 2018, 61, 228-238.	5.2	9
71	Development of an incoherent broadband cavity-enhanced absorption spectrometer for in situ measurements of HONO and NO ₂ . <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4531-4543.	3.1	50
72	Efficient N ₂ O ₅ uptake and NO ₃ oxidation in the outflow of urban Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9705-9721.	4.9	64

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73	Heterogeneous NO_2 uptake coefficient and production yield of ClNO_2 in polluted northern China: roles of aerosol water content and chemical composition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13155-13171.	4.9	67
74	Chlorine oxidation of VOCs at a semi-rural site in Beijing: significant chlorine liberation from ClNO_2 and subsequent gas- and particle-phase Cl^{\bullet} VOC production. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13013-13030.	4.9	54
75	Online gas- and particle-phase measurements of organosulfates, organosulfonates and nitrooxy organosulfates in Beijing utilizing a FIGAERO ToF-CIMS. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10355-10371.	4.9	62
76	Fast particulate nitrate formation via NO_2 uptake aloft in winter in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10483-10495.	4.9	82
77	Wintertime photochemistry in Beijing: observations of RO_2 radical concentrations in the North China Plain during the BEST-ONE campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12391-12411.	4.9	177
78	Explicit diagnosis of the local ozone production rate and the ozone- NO_x -VOC sensitivities. <i>Science Bulletin</i> , 2018, 63, 1067-1076.	9.0	116
79	Ozone formation and key VOCs in typical Chinese city clusters. <i>Chinese Science Bulletin</i> , 2018, 63, 1130-1141.	0.7	48
80	Thermodynamic properties of nanoparticles during new particle formation events in the atmosphere of North China Plain. <i>Atmospheric Research</i> , 2017, 188, 55-63.	4.1	20
81	Strong deviations from the $\text{NO-NO}_2\text{-O}_3$ photostationary state in the Pearl River Delta: Indications of active peroxy radical and chlorine radical chemistry. <i>Atmospheric Environment</i> , 2017, 163, 22-34.	4.1	17
82	High NO_2 Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. <i>Environmental Science and Technology Letters</i> , 2017, 4, 416-420.	8.7	167
83	Direct emission of nitrous acid (HONO) from gasoline cars in China determined by vehicle chassis dynamometer experiments. <i>Atmospheric Environment</i> , 2017, 169, 89-96.	4.1	37
84	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.	10.0	78
85	Model simulation of NO_3 , N_2O_5 and ClNO_2 at a rural site in Beijing during CAREBeijing-2006. <i>Atmospheric Research</i> , 2017, 196, 97-107.	4.1	35
86	OH reactivity at a rural site (Wangdu) in the North China Plain: contributions from OH reactants and experimental OH budget. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 645-661.	4.9	63
87	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11727-11777.	4.9	129
88	Radical chemistry at a rural site (Wangdu) in the North China Plain: observation and model calculations of OH, HO_2 and RO_2 radicals. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 663-690.	4.9	239
89	How the OH reactivity affects the ozone production efficiency: case studies in Beijing and Heshan, China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7127-7142.	4.9	60
90	Development of a portable cavity-enhanced absorption spectrometer for the measurement of ambient NO_3 and NO_2 : experimental setup, lab characterizations, and field applications in a polluted urban environment. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1465-1479.	3.1	65

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91	A broadband cavity enhanced absorption spectrometer for aircraft measurements of glyoxal, methylglyoxal, nitrous acid, nitrogen dioxide, and water vapor. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 423-440.	3.1	93
92	Significant concentrations of nitryl chloride sustained in the morning: investigations of the causes and impacts on ozone production in a polluted region of northern China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14959-14977.	4.9	146
93	Ambient photolysis frequency of NO ₂ determined using chemical actinometer and spectroradiometer at an urban site in Beijing. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.0	5
94	Observation of atmospheric peroxides during Wangdu Campaign 2014 at a rural site in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10985-11000.	4.9	27
95	In situ monitoring of atmospheric nitrous acid based on multi-pumping flow system and liquid waveguide capillary cell. <i>Journal of Environmental Sciences</i> , 2016, 43, 273-284.	6.1	26
96	Evidence for an unidentified non-photochemical ground-level source of formaldehyde in the Po Valley with potential implications for ozone production. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1289-1298.	4.9	36
97	Response to Comment on "Missing gas-phase source of HONO inferred from Zeppelin measurements in the troposphere". <i>Science</i> , 2015, 348, 1326-1326.	12.6	10
98	Chemical characteristics of PM ₁₀ during the summer in the mega-city Guangzhou, China. <i>Atmospheric Research</i> , 2014, 137, 25-34.	4.1	32
99	Fast increasing of surface ozone concentrations in Pearl River Delta characterized by a regional air quality monitoring network during 2006-2011. <i>Journal of Environmental Sciences</i> , 2014, 26, 23-36.	6.1	105
100	Airborne Trifluoroacetic Acid and Its Fraction from the Degradation of HFC-134a in Beijing, China. <i>Environmental Science & Technology</i> , 2014, 48, 3675-3681.	10.0	42
101	Missing Gas-Phase Source of HONO Inferred from Zeppelin Measurements in the Troposphere. <i>Science</i> , 2014, 344, 292-296.	12.6	154
102	Maximum efficiency in the hydroxyl-radical-based self-cleansing of the troposphere. <i>Nature Geoscience</i> , 2014, 7, 559-563.	12.9	110
103	Chemical characteristics of size-resolved aerosols in winter in Beijing. <i>Journal of Environmental Sciences</i> , 2014, 26, 1641-1650.	6.1	27
104	Response to Comment on "Airborne Trifluoroacetic Acid and Its Fraction from the Degradation of HFC-134a in Beijing, China". <i>Environmental Science & Technology</i> , 2014, 48, 9949-9949.	10.0	1
105	Daytime HONO formation in the suburban area of the megacity Beijing, China. <i>Science China Chemistry</i> , 2014, 57, 1032-1042.	8.2	53
106	The balances of mixing ratios and segregation intensity: a case study from the field (ECHO 2003). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10333-10362.	4.9	8
107	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.	4.9	40
108	Variations of ground-level O ₃ and its precursors in Beijing in summertime between 2005 and 2011. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6089-6101.	4.9	168

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109	Modeling of HCHO and CHOCHO at a semi-rural site in southern China during the PRIDE-PRD2006 campaign. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12291-12305.	4.9	59
110	OH regeneration from methacrolein oxidation investigated in the atmosphere simulation chamber SAPHIR. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7895-7908.	4.9	38
111	Characteristics of Aerosol Optical Properties and Their Chemical Apportionments during CAREBeijing 2006. <i>Aerosol and Air Quality Research</i> , 2014, 14, 1431-1442.	2.1	27
112	Experimental evidence for efficient hydroxyl radical regeneration in isoprene oxidation. <i>Nature Geoscience</i> , 2013, 6, 1023-1026.	12.9	132
113	An online monitoring system for atmospheric nitrous acid (HONO) based on stripping coil and ion chromatography. <i>Journal of Environmental Sciences</i> , 2013, 25, 895-907.	6.1	18
114	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.	4.9	188
115	Updated aerosol module and its application to simulate secondary organic aerosols during IMPACT campaign May 2008. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6289-6304.	4.9	25
116	MAX-DOAS measurements of NO ₂ , HCHO and CHOCHO at a rural site in Southern China. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2133-2151.	4.9	113
117	Exploring the atmospheric chemistry of nitrous acid (HONO) at a rural site in Southern China. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1497-1513.	4.9	211
118	Observation and modelling of OH and HO ₂ concentrations in the Pearl River Delta 2006: a missing OH source in a VOC rich atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1541-1569.	4.9	269
119	Characterization and source apportionment of submicron aerosol with aerosol mass spectrometer during the PRIDE-PRD 2006 campaign. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6911-6929.	4.9	69
120	Detection of HO ₂ by laser-induced fluorescence: calibration and interferences from RO ₂ radicals. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1209-1225.	3.1	199
121	Atmospheric OH reactivities in the Pearl River Delta “China in summer 2006: measurement and model results. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11243-11260.	4.9	231
122	Process analysis and sensitivity study of regional ozone formation over the Pearl River Delta, China, during the PRIDE-PRD2004 campaign using the Community Multiscale Air Quality modeling system. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4423-4437.	4.9	102
123	Regional ozone pollution and key controlling factors of photochemical ozone production in Pearl River Delta during summer time. <i>Science China Chemistry</i> , 2010, 53, 651-663.	8.2	42
124	Oxidant (O ₃ + NO ₂) production processes and formation regimes in Beijing. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	72
125	Correction to “Oxidant (O ₃ +NO ₂) production processes and formation regimes in Beijing”. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
126	Formation of submicron sulfate and organic aerosols in the outflow from the urban region of the Pearl River Delta in China. <i>Atmospheric Environment</i> , 2009, 43, 3754-3763.	4.1	60

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127	Amplified Trace Gas Removal in the Troposphere. <i>Science</i> , 2009, 324, 1702-1704.	12.6	550
128	Atmospheric hydrogen peroxide and organic hydroperoxides during PRIDE-PRD'06, China: their concentration, formation mechanism and contribution to secondary aerosols. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6755-6773.	4.9	163