

Kimitaka Kawamura

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457
papers

22,413
citations

80
h-index

126
g-index

537
ext. papers

25,365
ext. citations

5.8
avg, IF

7.09
L-index

#	Paper	IF	Citations
457	An overview of ACE-Asia: Strategies for quantifying the relationships between Asian aerosols and their climatic impacts. <i>Journal of Geophysical Research</i> , 2003 , 108,		635
456	Seasonal changes in the distribution of dicarboxylic acids in the urban atmosphere. <i>Environmental Science & Technology</i> , 1993 , 27, 2227-2235	10.3	555
455	Motor exhaust emissions as a primary source for dicarboxylic acids in Los Angeles ambient air. <i>Environmental Science & Technology</i> , 1987 , 21, 105-110	10.3	514
454	Source and reaction pathways of dicarboxylic acids, ketoacids and dicarbonyls in arctic aerosols: One year of observations. <i>Atmospheric Environment</i> , 1996 , 30, 1709-1722	5.3	420
453	Critical assessment of the current state of scientific knowledge, terminology, and research needs concerning the role of organic aerosols in the atmosphere, climate, and global change. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 2017-2038	6.8	394
452	Alkenone and boron-based Pliocene pCO ₂ records. <i>Earth and Planetary Science Letters</i> , 2010 , 292, 201-211	5.3	356
451	Molecular distributions of water soluble dicarboxylic acids in marine aerosols over the Pacific Ocean including tropics. <i>Journal of Geophysical Research</i> , 1999 , 104, 3501-3509		344
450	Determination of organic acids (C1-C10) in the atmosphere, motor exhausts, and engine oils. <i>Environmental Science & Technology</i> , 1985 , 19, 1082-6	10.3	300
449	Implications of dicarboxylic acids in the remote marine atmosphere for photo-oxidation of unsaturated fatty acids. <i>Nature</i> , 1987 , 325, 330-332	50.4	296
448	Sugars--dominant water-soluble organic compounds in soils and characterization as tracers in atmospheric particulate matter. <i>Environmental Science & Technology</i> , 2004 , 38, 5939-49	10.3	295
447	Comparative distributions of dicarboxylic acids and related polar compounds in snow, rain and aerosols from urban atmosphere. <i>Atmospheric Environment</i> , 1994 , 28, 449-459	5.3	286
446	Diurnal changes in the distribution of dicarboxylic acids, ketocarboxylic acids and dicarbonyls in the urban Tokyo atmosphere. <i>Atmospheric Environment</i> , 2005 , 39, 1945-1960	5.3	272
445	Molecular, seasonal, and spatial distributions of organic aerosols from fourteen Chinese cities. <i>Environmental Science & Technology</i> , 2006 , 40, 4619-25	10.3	256
444	Distribution of dicarboxylic acids and carbon isotopic compositions in aerosols from 1997 Indonesian forest fires. <i>Geophysical Research Letters</i> , 1999 , 26, 3101-3104	4.9	205
443	Water soluble dicarboxylic acids and related compounds in Antarctic aerosols. <i>Journal of Geophysical Research</i> , 1996 , 101, 18721-18728		204
442	A review of dicarboxylic acids and related compounds in atmospheric aerosols: Molecular distributions, sources and transformation. <i>Atmospheric Research</i> , 2016 , 170, 140-160	5.4	195
441	In-cloud oxalate formation in the global troposphere: a 3-D modeling study. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 5761-5782	6.8	179

440	Four years observations of terrestrial lipid class compounds in marine aerosols from the western North Pacific. <i>Global Biogeochemical Cycles</i> , 2003 , 17, 3-1-3-19	5.9	174
439	Organic molecular compositions and temporal variations of summertime mountain aerosols over Mt. Tai, North China Plain. <i>Journal of Geophysical Research</i> , 2008 , 113,		169
438	Carbonaceous aerosols on the south edge of the Tibetan Plateau: concentrations, seasonality and sources. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1573-1584	6.8	167
437	Sediment core profiles of long-chain n-alkanes in the Sea of Okhotsk: Enhanced transport of terrestrial organic matter from the last deglaciation to the early Holocene. <i>Geophysical Research Letters</i> , 2003 , 30, 1-1-1-4	4.9	164
436	Ubiquity of bisphenol A in the atmosphere. <i>Environmental Pollution</i> , 2010 , 158, 3138-43	9.3	163
435	Molecular distributions of dicarboxylic acids, ketocarboxylic acids and β -dicarbonyls in biomass burning aerosols: implications for photochemical production and degradation in smoke layers. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2209-2225	6.8	154
434	Identification of C ₂ -C ₁₀ ω -oxocarboxylic acids, pyruvic acid, and C ₂ -C ₃ α -dicarbonyls in wet precipitation and aerosol samples by capillary GC and GC/MS. <i>Analytical Chemistry</i> , 1993 , 65, 3505-3511	7.8	152
433	Molecular characterization of urban organic aerosol in tropical India: contributions of primary emissions and secondary photooxidation. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2663-2689	6.8	151
432	Time-resolved measurements of water-soluble organic carbon in Tokyo. <i>Journal of Geophysical Research</i> , 2006 , 111,		149
431	Fatty acids in the marine atmosphere: Factors governing their concentrations and evaluation of organic films on sea-salt particles. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 1-1-AAC 1-10		149
430	Penetration of biomass-burning emissions from South Asia through the Himalayas: new insights from atmospheric organic acids. <i>Scientific Reports</i> , 2015 , 5, 9580	4.9	143
429	Composition and major sources of organic compounds of aerosol particulate matter sampled during the ACE-Asia campaign. <i>Journal of Geophysical Research</i> , 2004 , 109,		139
428	Latitudinal distributions of organic nitrogen and organic carbon in marine aerosols over the western North Pacific. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 3037-3049	6.8	135
427	High abundances of water-soluble dicarboxylic acids, ketocarboxylic acids and β -dicarbonyls in the mountaintop aerosols over the North China Plain during wheat burning season. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8285-8302	6.8	133
426	Spatial distributions of oxygenated organic compounds (dicarboxylic acids, fatty acids, and levoglucosan) in marine aerosols over the western Pacific and off the coast of East Asia: Continental outflow of organic aerosols during the ACE-Asia campaign. <i>Journal of Geophysical Research</i> , 2003 , 108,		133
425	Distributions of low molecular weight dicarboxylic acids in the North Pacific aerosol samples. <i>Journal of Oceanography</i> , 1993 , 49, 271-283	1.9	132
424	Size distributions of dicarboxylic acids, ketoacids, β -dicarbonyls, sugars, WSOC, OC, EC and inorganic ions in atmospheric particles over Northern Japan: implication for long-range transport of Siberian biomass burning and East Asian polluted aerosols. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5839-5858	6.8	130
423	Organic compounds in the rainwater of Los Angeles. <i>Environmental Science & Technology</i> , 1983 , 17, 497-501	10.3	130

422	Organic molecular composition of marine aerosols over the Arctic Ocean in summer: contributions of primary emission and secondary aerosol formation. <i>Biogeosciences</i> , 2013 , 10, 653-667	4.6	128
421	Molecular distributions and stable carbon isotopic compositions of dicarboxylic acids and related compounds in aerosols from Sapporo, Japan: Implications for photochemical aging during long-range atmospheric transport. <i>Journal of Geophysical Research</i> , 2008 , 113,		126
420	Seasonal variation and origins of dicarboxylic acids in the marine atmosphere over the western North Pacific. <i>Journal of Geophysical Research</i> , 2003 , 108,		125
419	Seasonal variations of sugars in atmospheric particulate matter from Gosan, Jeju Island: Significant contributions of airborne pollen and Asian dust in spring. <i>Atmospheric Environment</i> , 2012 , 55, 234-239	5.3	123
418	Isoprene, monoterpene, and sesquiterpene oxidation products in the high Arctic aerosols during late winter to early summer. <i>Environmental Science & Technology</i> , 2009 , 43, 4022-8	10.3	122
417	Dicarboxylic acids, ketocarboxylic acids and dicarbonyls in the urban roadside area of Hong Kong. <i>Atmospheric Environment</i> , 2006 , 40, 3030-3040	5.3	121
416	Identification, abundance and seasonal variation of anthropogenic organic aerosols from a mega-city in China. <i>Atmospheric Environment</i> , 2007 , 41, 407-416	5.3	119
415	Homologous series of C ₁₀ monocarboxylic acids and C ₆ carbonyls in Los Angeles air and motor vehicle exhausts. <i>Atmospheric Environment</i> , 2000 , 34, 4175-4191	5.3	116
414	Photochemical production and loss of organic acids in high Arctic aerosols during long-range transport and polar sunrise ozone depletion events. <i>Atmospheric Environment</i> , 2005 , 39, 599-614	5.3	115
413	Dicarboxylic acids and water-soluble organic carbon in aerosols in New Delhi, India, in winter: Characteristics and formation processes. <i>Journal of Geophysical Research</i> , 2009 , 114,		114
412	Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in the urban atmosphere of China. <i>Journal of Geophysical Research</i> , 2007 , 112,		114
411	Hygroscopic properties of levoglucosan and related organic compounds characteristic to biomass burning aerosol particles. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a		114
410	Concentrations of monocarboxylic and dicarboxylic acids and aldehydes in southern California wet precipitations: Comparison of urban and nonurban samples and compositional changes during scavenging. <i>Atmospheric Environment</i> , 1996 , 30, 1035-1052	5.3	113
409	Diurnal variations of organic molecular tracers and stable carbon isotopic composition in atmospheric aerosols over Mt. Tai in the North China Plain: an influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8359-8375	6.8	112
408	Capillary gas chromatography determination of volatile organic acids in rain and fog samples. <i>Analytical Chemistry</i> , 1984 , 56, 1616-1620	7.8	110
407	Photochemical and other sources of organic compounds in the Canadian high arctic aerosol pollution during winter-spring. <i>Environmental Science & Technology</i> , 2009 , 43, 286-92	10.3	109
406	Gas transport in firn: multiple-tracer characterisation and model intercomparison for NEEM, Northern Greenland. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4259-4277	6.8	108
405	Molecular characterization of marine organic aerosols collected during a round-the-world cruise. <i>Journal of Geophysical Research</i> , 2011 , 116,		104

404	Low molecular weight dicarboxylic acids and related polar compounds in the remote marine rain samples collected from Western Pacific. <i>Atmospheric Environment</i> , 1996 , 30, 1609-1619	5.3	104
403	Water-soluble organic carbon, dicarboxylic acids, ketoacids, and dicarbonyls in the tropical Indian aerosols. <i>Journal of Geophysical Research</i> , 2010 , 115,		102
402	Historical trends of atmospheric black carbon on tibetan plateau as reconstructed from a 150-year lake sediment record. <i>Environmental Science & Technology</i> , 2013 , 47, 2579-86	10.3	101
401	Dicarboxylic acids, ketocarboxylic acids and glyoxal in the marine aerosols collected during a round-the-world cruise. <i>Marine Chemistry</i> , 2013 , 148, 22-32	3.7	99
400	Molecular characteristics of urban organic aerosols from Nanjing: a case study of A mega-city in China. <i>Environmental Science & Technology</i> , 2005 , 39, 7430-8	10.3	99
399	Diurnal variation in the water-soluble inorganic ions, organic carbon and isotopic compositions of total carbon and nitrogen in biomass burning aerosols from the LBA-SMOCC campaign in Rondônia, Brazil. <i>Journal of Aerosol Science</i> , 2010 , 41, 118-133	4.3	98
398	Biogenic and anthropogenic organic compounds in rain and snow samples collected in southern california. <i>Atmospheric Environment</i> , 1986 , 20, 115-124		97
397	Molecular distribution and stable carbon isotopic composition of dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in size-resolved atmospheric particles from Xi'an City, China. <i>Environmental Science & Technology</i> , 2012 , 46, 4783-91	10.3	95
396	Molecular composition and size distribution of sugars, sugar-alcohols and carboxylic acids in airborne particles during a severe urban haze event caused by wheat straw burning. <i>Atmospheric Environment</i> , 2011 , 45, 2473-2479	5.3	95
395	Seasonal variation of levoglucosan in aerosols over the western North Pacific and its assessment as a biomass-burning tracer. <i>Atmospheric Environment</i> , 2010 , 44, 3511-3518	5.3	95
394	Carbonaceous and inorganic composition in long-range transported aerosols over northern Japan: Implication for aging of water-soluble organic fraction. <i>Atmospheric Environment</i> , 2009 , 43, 2532-2540	5.3	94
393	Size-distributions of alkanes, PAHs and hopanes and their sources in the urban, mountain and marine atmospheres over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 8869-8882	6.8	92
392	Variations in global methane sources and sinks during 1910-2010. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2595-2612	6.8	91
391	Where to find 1.5 million yr old ice for the IPICS 'Oldest-Ice' ice core. <i>Climate of the Past</i> , 2013 , 9, 2489-2505	3.9	89
390	Secondary formation of water-soluble organic acids and dicarbonyls and their contributions to total carbon and water-soluble organic carbon: Photochemical aging of organic aerosols in the Arctic spring. <i>Journal of Geophysical Research</i> , 2010 , 115,		89
389	Reconstruction of paleoproductivity in the Sea of Okhotsk over the last 30 kyr. <i>Paleoceanography</i> , 2004 , 19, n/a-n/a		88
388	Wet deposition of low molecular weight mono- and di-carboxylic acids, aldehydes and inorganic species in Los Angeles. <i>Atmospheric Environment</i> , 2001 , 35, 3917-3926	5.3	88
387	Contribution of Selected Dicarboxylic and Oxocarboxylic Acids in Ambient Aerosol to the m/z 44 Signal of an Aerodyne Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2007 , 41, 418-437	3.4	87

386	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitation-Emission Matrix Spectroscopy. <i>Environmental Science & Technology</i> , 2016 , 50, 10351-10360	10.3	87
385	Contributions of biogenic volatile organic compounds to the formation of secondary organic aerosols over Mt. Tai, Central East China. <i>Atmospheric Environment</i> , 2010 , 44, 4817-4826	5.3	86
384	Dicarboxylic acids in the Arctic aerosols and snowpacks collected during ALERT 2000. <i>Atmospheric Environment</i> , 2002 , 36, 2491-2499	5.3	86
383	Summer and winter variations of dicarboxylic acids, fatty acids and benzoic acid in PM _{2.5} in Pearl Delta River Region, China. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2197-2208	6.8	85
382	Hydrogen isotopic ratios of plant wax n-alkanes in a peat bog deposited in northeast China during the last 16kyr. <i>Organic Geochemistry</i> , 2009 , 40, 671-677	3.1	84
381	Latitudinal distribution of terrestrial lipid biomarkers and n-alkane compound-specific stable carbon isotope ratios in the atmosphere over the western Pacific and Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 5934-5955	5.5	84
380	Contributions of biomass/biofuel burning to organic aerosols and particulate matter in Tanzania, East Africa, based on analyses of ionic species, organic and elemental carbon, levoglucosan and mannosan. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 10325-10338	6.8	82
379	Trans-hemispheric contribution of C ₂₀ dicarboxylic acids, and related polar compounds to water-soluble organic carbon in the western Pacific aerosols in relation to photochemical oxidation reactions. <i>Global Biogeochemical Cycles</i> , 2003 , 17, n/a-n/a	5.9	82
378	Ice core records of biomass burning tracers (levoglucosan and dehydroabietic, vanillic and p-hydroxybenzoic acids) and total organic carbon for past 300years in the Kamchatka Peninsula, Northeast Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 99, 317-329	5.5	80
377	Rates and regimes of photochemical ozone production over Central East China in June 2006: a box model analysis using comprehensive measurements of ozone precursors. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 7711-7723	6.8	80
376	Bimodal size distributions of various organic acids and fatty acids in the marine atmosphere: Influence of anthropogenic aerosols, Asian dusts, and sea spray off the coast of East Asia. <i>Journal of Geophysical Research</i> , 2007 , 112,		80
375	Water-Soluble dicarboxylic acids, ketoacids and dicarbonyls in the atmospheric aerosols over the southern ocean and western pacific ocean. <i>Journal of Atmospheric Chemistry</i> , 2006 , 53, 43-61	3.2	80
374	A biomarker approach for assessing marine and terrigenous inputs to the sediments of Sea of Okhotsk for the last 27,000 years. <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 791-802	5.5	80
373	Levoglucosan as a tracer of biomass burning: Recent progress and perspectives. <i>Atmospheric Research</i> , 2019 , 220, 20-33	5.4	79
372	Organic molecular compositions and size distributions of chinese summer and autumn aerosols from nanjing: characteristic haze event caused by wheat straw burning. <i>Environmental Science & Technology</i> , 2009 , 43, 6493-9	10.3	78
371	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
370	Distributions of Three- to Seven-Ring Polynuclear Aromatic Hydrocarbons on the Deep Sea Floor in the Central Pacific. <i>Environmental Science & Technology</i> , 1999 , 33, 3086-3090	10.3	77
369	Early diagenesis of organic matter in the water column and sediments: Microbial degradation and resynthesis of lipids in Lake Haruna. <i>Organic Geochemistry</i> , 1987 , 11, 251-264	3.1	77

368	Organic molecular tracers in the atmospheric aerosols from Lumbini, Nepal, in the northern Indo-Gangetic Plain: influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 8867-8885	6.8	76
367	Dicarboxylic acids, metals and isotopic compositions of C and N in atmospheric aerosols from inland China: implications for dust and coal burning emission and secondary aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 6087-6096	6.8	76
366	Latitudinal distributions of terrestrial biomarkers in the sediments from the Central Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 1911-1918	5.5	74
365	Carbonaceous and ionic components in wintertime atmospheric aerosols from two New Zealand cities: Implications for solid fuel combustion. <i>Atmospheric Environment</i> , 2005 , 39, 5865-5875	5.3	74
364	Effect of biomass burning over the western North Pacific Rim: wintertime maxima of anhydrosugars in ambient aerosols from Okinawa. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1959-1973	6.8	73
363	One-year observations of carbonaceous and nitrogenous components and major ions in the aerosols from subtropical Okinawa Island, an outflow region of Asian dusts. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1819-1836	6.8	72
362	Growth of organic aerosols by biogenic semi-volatile carbonyls in the forestal atmosphere. <i>Atmospheric Environment</i> , 2003 , 37, 2045-2050	5.3	72
361	Seasonal variations of stable carbon isotopic composition and biogenic tracer compounds of water-soluble organic aerosols in a deciduous forest. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 1367-1376	6.8	69
360	Depth ranges of alkenone production in the central Pacific Ocean. <i>Global Biogeochemical Cycles</i> , 1999 , 13, 695-704	5.9	66
359	Investigation of the tracers for plastic-enriched waste burning aerosols. <i>Atmospheric Environment</i> , 2015 , 108, 49-58	5.3	65
358	Fluorescent water-soluble organic aerosols in the High Arctic atmosphere. <i>Scientific Reports</i> , 2015 , 5, 9845	4.9	65
357	Organic and inorganic compositions of marine aerosols from East Asia: Seasonal variations of water-soluble dicarboxylic acids, major ions, total carbon and nitrogen, and stable C and N isotopic composition. <i>Geochemical Society Special Publications</i> , 2004 , 9, 243-265		65
356	Organic and inorganic markers and stable C-, N-isotopic compositions of tropical coastal aerosols from megacity Mumbai: sources of organic aerosols and atmospheric processing. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 4667-4680	6.8	64
355	Elevated nitrogen isotope ratios of tropical Indian aerosols from Chennai: Implication for the origins of aerosol nitrogen in South and Southeast Asia. <i>Atmospheric Environment</i> , 2010 , 44, 3597-3604	5.3	64
354	Volatile organic acids generated from kerogen during laboratory heating. <i>Geochemical Journal</i> , 1986 , 20, 51-9	0.9	64
353	Seasonal variations of water-soluble organic carbon, dicarboxylic acids, ketocarboxylic acids, and Edicarbonyls in Central Himalayan aerosols. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6645-6665	6.8	63
352	Evidence for ¹³ -carbon enrichment in oxalic acid via iron catalyzed photolysis in aqueous phase. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	62
351	In situ measurement of isoprene in the marine air and surface seawater from the western North Pacific. <i>Atmospheric Environment</i> , 2002 , 36, 6051-6057	5.3	62

350	Production of dicarboxylic acids in the Arctic atmosphere at polar sunrise. <i>Geophysical Research Letters</i> , 1995 , 22, 1253-1256	4.9	62
349	Characteristics, seasonality and sources of carbonaceous and ionic components in the tropical aerosols from Indian region. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8215-8230	6.8	61
348	Seasonal variation of the concentrations of nitrogenous species and their nitrogen isotopic ratios in aerosols at Gosan, Jeju Island: Implications for atmospheric processing and source changes of aerosols. <i>Journal of Geophysical Research</i> , 2010 , 115,		60
347	Dicarboxylic acids generated by thermal alteration of kerogen and humic acids. <i>Geochimica Et Cosmochimica Acta</i> , 1987 , 51, 3201-7	5.5	60
346	Secondary production of organic aerosols from biogenic VOCs over Mt. Fuji, Japan. <i>Environmental Science & Technology</i> , 2014 , 48, 8491-7	10.3	59
345	A compound-specific n-alkane $\delta^{13}C$ and D approach for assessing source and delivery processes of terrestrial organic matter within a forested watershed in northern Japan. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 599-613	5.5	59
344	High penetration of ultraviolet radiation in the south east Pacific waters. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	59
343	Carbon isotopic composition of fatty acids in the marine aerosols from the western North Pacific: implication for the source and atmospheric transport. <i>Environmental Science & Technology</i> , 2002 , 36, 2598-604	10.3	59
342	Size distributions of organic nitrogen and carbon in remote marine aerosols: Evidence of marine biological origin based on their isotopic ratios. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	58
341	Dependence of CCN activity of less volatile particles on the amount of coating observed in Tokyo. <i>Journal of Geophysical Research</i> , 2007 , 112,		58
340	Long-term observations of saccharides in remote marine aerosols from the western North Pacific: A comparison between 1990-1993 and 2006-2009 periods. <i>Atmospheric Environment</i> , 2013 , 67, 448-458	5.3	57
339	Chemistry of OH and HO ₂ radicals observed at Rishiri Island, Japan, in September 2003: Missing daytime sink of HO ₂ and positive nighttime correlations with monoterpenes. <i>Journal of Geophysical Research</i> , 2007 , 112,		57
338	Organic and inorganic aerosol compositions in Ulaanbaatar, Mongolia, during the cold winter of 2007 to 2008: Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls. <i>Journal of Geophysical Research</i> , 2010 , 115,		56
337	Size distributions and chemical characterization of water-soluble organic aerosols over the western North Pacific in summer. <i>Journal of Geophysical Research</i> , 2010 , 115,		56
336	Bimodal size distribution of C ₂₋₄ dicarboxylic acids in the marine aerosols. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	56
335	Variation of alkenone sea surface temperature in the Sea of Okhotsk over the last 85 kyrs. <i>Organic Geochemistry</i> , 2004 , 35, 347-354	3.1	56
334	High abundances of oxalic, azelaic, and glyoxylic acids and methylglyoxal in the open ocean with high biological activity: Implication for secondary OA formation from isoprene. <i>Geophysical Research Letters</i> , 2014 , 41, 3649-3657	4.9	55
333	Determination of stable carbon isotopic compositions of low molecular weight dicarboxylic acids and ketocarboxylic acids in atmospheric aerosol and snow samples. <i>Analytical Chemistry</i> , 2004 , 76, 5762-8	7.8	55

332	Comparison of organic compositions in dust storm and normal aerosol samples collected at Gosan, Jeju Island, during spring 2005. <i>Atmospheric Environment</i> , 2009 , 43, 219-227	5.3	54
331	Relationship between hygroscopicity and cloud condensation nuclei activity for urban aerosols in Tokyo. <i>Journal of Geophysical Research</i> , 2006 , 111,		54
330	Environmental influences over the last 16ka on compound-specific $\delta^{13}C$ variations of leaf wax n-alkanes in the Hani peat deposit from northeast China. <i>Chemical Geology</i> , 2010 , 277, 261-268	4.2	53
329	Dissolved and particulate organic carbon in the Sea of Okhotsk: Transport from continental shelf to ocean interior. <i>Journal of Geophysical Research</i> , 2004 , 109,		53
328	Variation on the atmospheric concentrations of biogenic carbonyl compounds and their removal processes in the northern forest at Moshiri, Hokkaido Island in Japan. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a		53
327	Aerosol particles collected on aircraft flights over the northwestern Pacific region during the ACE-Asia campaign: Composition and major sources of the organic compounds. <i>Journal of Geophysical Research</i> , 2004 , 109,		53
326	A Greenland ice core record of low molecular weight dicarboxylic acids, ketocarboxylic acids, and α -dicarbonyls: A trend from Little Ice Age to the present (1540 to 1989 A.D.). <i>Journal of Geophysical Research</i> , 2001 , 106, 1331-1345		53
325	Ice core record of polycyclic aromatic hydrocarbons over the past 400 years. <i>Die Naturwissenschaften</i> , 1994 , 81, 502-505	2	53
324	Dicarboxylic acids, ketocarboxylic acids, α -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
323	Seasonal variations of diacids, ketoacids, and α -dicarbonyls in aerosols at Gosan, Jeju Island, South Korea: Implications for sources, formation, and degradation during long-range transport. <i>Journal of Geophysical Research</i> , 2010 , 115,		52
322	Water-soluble dicarboxylic acids in the tropospheric aerosols collected over east Asia and western North Pacific by ACE-Asia C-130 aircraft. <i>Journal of Geophysical Research</i> , 2003 , 108,		52
321	Determination of gaseous and particulate carbonyls (glycolaldehyde, hydroxyacetone, glyoxal, methylglyoxal, nonanal and decanal) in the atmosphere at Mt. Tai. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5369-5380	6.8	51
320	Water-soluble organic compounds in PM _{2.5} and size-segregated aerosols over Mount Tai in North China Plain. <i>Journal of Geophysical Research</i> , 2009 , 114,		51
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318	Chemical characteristics of dicarboxylic acids and related organic compounds in PM _{2.5} during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. <i>Environmental Pollution</i> , 2017 , 231, 654-662	9.3	50
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62	Dicarboxylic acids, metals and isotopic compositions of C and N in atmospheric aerosols from inland China: implications for dust and coal burning emission and secondary aerosol formation		4
61	Seasonal variations of water-soluble organic carbon, dicarboxylic acids, ketoacids, and β -dicarbonyls in the central Himalayan aerosols		4
60	Effect of biomass burning over the western North Pacific Rim: wintertime maxima of anhydrosugars in ambient aerosols from Okinawa		4
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