

Willy Maenhaut

List of Publications by Year in descending order

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359
papers

29,186
citations

5558

82
h-index

7333

152
g-index

391
all docs

391
docs citations

391
times ranked

14636
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the atmospheric research program during the International Arctic Ocean Expedition of 1991 (IAOE-91) and its scientific results. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 48, 136.	0.8	26
2	Multi-elemental composition and sources of the high Arctic atmospheric aerosol during summer and autumn. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 48, 300.	0.8	19
3	Earth, Wind, Fire, and Pollution: Aerosol Nutrient Sources and Impacts on Ocean Biogeochemistry. <i>Annual Review of Marine Science</i> , 2022, 14, 303-330.	5.1	48
4	Anthropogenic Perturbations to the Atmospheric Molybdenum Cycle. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006787.	1.9	12
5	Secondary Organic Aerosol Formation from Isoprene: Selected Research, Historic Account and State of the Art. <i>Atmosphere</i> , 2021, 12, 728.	1.0	7
6	Source apportionment of ambient fine and coarse aerosols in Embalenhle and Kinross, South Africa. <i>Clean Air Journal</i> , 2021, 31, .	0.2	3
7	Comparison of Heated Electrospray Ionization and Nanoelectrospray Ionization Sources Coupled to Ultra-High-Resolution Mass Spectrometry for Analysis of Highly Complex Atmospheric Aerosol Samples. <i>Analytical Chemistry</i> , 2020, 92, 8396-8403.	3.2	17
8	Levels and sources of hourly PM _{2.5} -related elements during the control period of the COVID-19 pandemic at a rural site between Beijing and Tianjin. <i>Science of the Total Environment</i> , 2020, 744, 140840.	3.9	54
9	Structural Characterization of Lactone-Containing MW 212 Organosulfates Originating from Isoprene Oxidation in Ambient Fine Aerosol. <i>Environmental Science & Technology</i> , 2020, 54, 1415-1424.	4.6	11
10	Impact of air pollution control measures and regional transport on carbonaceous aerosols in fine particulate matter in urban Beijing, China: insights gained from long-term measurement. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8569-8590.	1.9	81
11	Characteristics and Sources of Hourly Trace Elements in Airborne Fine Particles in Urban Beijing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11595-11613.	1.2	48
12	The carbonaceous aerosol levels still remain a challenge in the Beijing-Tianjin-Hebei region of China: Insights from continuous high temporal resolution measurements in multiple cities. <i>Environment International</i> , 2019, 126, 171-183.	4.8	73
13	Characterization and source identification of fine particulate matter in urban Beijing during the 2015 Spring Festival. <i>Science of the Total Environment</i> , 2018, 628-629, 430-440.	3.9	62
14	Composition and sources of carbonaceous aerosols in Northern Europe during winter. <i>Atmospheric Environment</i> , 2018, 173, 127-141.	1.9	52
15	Source apportionment revisited for long-term measurements of fine aerosol trace elements at two locations in southern Norway. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 417, 133-138.	0.6	4
16	Three years of measurements of light-absorbing aerosols over coastal Namibia: seasonality, origin, and transport. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17003-17016.	1.9	13
17	High-molecular-weight esters in α -pinene ozonolysis secondary organic aerosol: structural characterization and mechanistic proposal for their formation from highly oxygenated molecules. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8453-8467.	1.9	35
18	Source apportionment of carbonaceous chemical species to fossil fuel combustion, biomass burning and biogenic emissions by a coupled radiocarbon $\delta^{14}C$ -levoglucosan marker method. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13767-13781.	1.9	43

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19	Contribution from Selected Organic Species to PM _{2.5} Aerosol during a Summer Field Campaign at K-Pusztá, Hungary. <i>Atmosphere</i> , 2017, 8, 221.	1.0	7
20	X-Ray Fluorescence and Emission Particle-Induced X-Ray Emission $\hat{\alpha}^{\dagger}$. , 2017, , .		3
21	Stable isotopes measurements reveal dual carbon pools contributing to organic matter enrichment in marine aerosol. <i>Scientific Reports</i> , 2016, 6, 36675.	1.6	37
22	Enhanced Volatile Organic Compounds emissions and organic aerosol mass increase the oligomer content of atmospheric aerosols. <i>Scientific Reports</i> , 2016, 6, 35038.	1.6	80
23	Physicochemical characterization of winter PM ₁₀ aerosol impacted by sugarcane burning from São Paulo city, Brazil. <i>Atmospheric Environment</i> , 2016, 145, 272-279.	1.9	21
24	Characterization of polar organosulfates in secondary organic aerosol from the unsaturated aldehydes 2- <i>pentenal</i> , 2- <i>hexenal</i> , and 3- <i>hexenal</i> . <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7135-7148.	1.9	41
25	Sources of the PM ₁₀ aerosol in Flanders, Belgium, and re-assessment of the contribution from wood burning. <i>Science of the Total Environment</i> , 2016, 562, 550-560.	3.9	44
26	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983.	23.0	417
27	ECOC comparison exercise with identical thermal protocols after temperature offset correction $\hat{\epsilon}^{\dagger}$ instrument diagnostics by in-depth evaluation of operational parameters. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 779-792.	1.2	87
28	An intercomparison study of analytical methods used for quantification of levoglucosan in ambient aerosol filter samples. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 125-147.	1.2	54
29	Present role of PIXE in atmospheric aerosol research. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 363, 86-91.	0.6	21
30	Clues for a standardised thermal-optical protocol for the assessment of organic and elemental carbon within ambient air particulate matter. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1649-1661.	1.2	28
31	One-year aerosol characterization study for PM _{2.5} and PM ₁₀ in Beijing. <i>Atmospheric Pollution Research</i> , 2014, 5, 554-562.	1.8	35
32	Characterization of Polar Organosulfates in Secondary Organic Aerosol from the Green Leaf Volatile 3- <i>Hexenal</i> . <i>Environmental Science & Technology</i> , 2014, 48, 12671-12678.	4.6	45
33	2-Hydroxyterpenylic Acid: An Oxygenated Marker Compound for $\hat{\pm}$ -Pinene Secondary Organic Aerosol in Ambient Fine Aerosol. <i>Environmental Science & Technology</i> , 2014, 48, 4901-4908.	4.6	32
34	Effects of anthropogenic emissions on the molecular composition of urban organic aerosols: An ultrahigh resolution mass spectrometry study. <i>Atmospheric Environment</i> , 2014, 89, 525-532.	1.9	64
35	Ten-year study of fine aerosol at Sde Boker, Israel, using PIXE: Time trends, seasonal variation, correlations, and source areas for anthropogenic elements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 318, 119-124.	0.6	3
36	Molecular composition of biogenic secondary organic aerosols using ultrahigh-resolution mass spectrometry: comparing laboratory and field studies. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2155-2167.	1.9	70

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37	Formation of secondary organic aerosol marker compounds from the photooxidation of isoprene and isoprene-derived alkene diols under low-NOx conditions. <i>Faraday Discussions</i> , 2013, 165, 261.	1.6	5
38	Molecular Composition of Boreal Forest Aerosol from Hyytiälä, Finland, Using Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2013, 47, 4069-4079.	4.6	85
39	One-year study of nitro-organic compounds and their relation to wood burning in PM10 aerosol from a rural site in Belgium. <i>Atmospheric Environment</i> , 2013, 81, 561-568.	1.9	103
40	Mass spectrometric characterization of organosulfates related to secondary organic aerosol from isoprene. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 784-794.	0.7	60
41	Mass size distribution of carbon in atmospheric humic-like substances and water soluble organic carbon for an urban environment. <i>Journal of Aerosol Science</i> , 2013, 56, 53-60.	1.8	21
42	Ion-pairing liquid chromatography/negative ion mass spectrometry for improved analysis of polar isoprene-related organosulfates. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1585-1589.	0.7	6
43	Tracers for Biogenic Secondary Organic Aerosol from α -Pinene and Related Monoterpenes: An Overview. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2013, , 227-238.	0.1	8
44	Chemical characterisation of humic-like substances from urban, rural and tropical biomass burning environments using liquid chromatography with UV/vis photodiode array detection and electrospray ionisation mass spectrometry. <i>Environmental Chemistry</i> , 2012, 9, 273.	0.7	142
45	Concluding Remarks on the Bio-PIXE 7 symposium. <i>International Journal of PIXE</i> , 2012, 22, ix-x.	0.4	0
46	Chemical characterisation of atmospheric aerosols during a 2007 summer field campaign at Brasschaat, Belgium: sources and source processes of biogenic secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 125-138.	1.9	107
47	Liquid chromatography tandem mass spectrometry method for characterization of monoaromatic nitro-compounds in atmospheric particulate matter. <i>Journal of Chromatography A</i> , 2012, 1268, 35-43.	1.8	139
48	Mass and chemically speciated size distribution of Prague aerosol using an aerosol dryer – The influence of air mass origin. <i>Science of the Total Environment</i> , 2012, 437, 348-362.	3.9	20
49	Assessment of the contribution from wood burning to the PM10 aerosol in Flanders, Belgium. <i>Science of the Total Environment</i> , 2012, 437, 226-236.	3.9	73
50	Annular diffusion denuder for simultaneous removal of gaseous organic compounds and air oxidants during sampling of carbonaceous aerosols. <i>Analytica Chimica Acta</i> , 2012, 714, 68-75.	2.6	18
51	A comparative study of traffic related air pollution next to a motorway and a motorway flyover. <i>Atmospheric Environment</i> , 2012, 60, 132-141.	1.9	11
52	Influence of transport and ocean ice extent on biogenic aerosol sulfur in the Arctic atmosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
53	Elemental Composition of Atmospheric Particulate Matter during 2006 Wet Season at a Rural Background Site in Tanzania. <i>Journal of Applied Sciences and Environmental Management</i> , 2011, 14, .	0.1	0
54	Evaluation of the carbon content of aerosols from the burning of biomass in the Brazilian Amazon using thermal, optical and thermal-optical analysis methods. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4425-4444.	1.9	25

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55	Analysis of atmospheric aerosols by particle-induced X-ray emission, instrumental neutron activation analysis, and ion chromatography. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 2693-2698.	0.6	12
56	Chemkar PM10: An extensive look at the local differences in chemical composition of PM10 in Flanders, Belgium. <i>Atmospheric Environment</i> , 2011, 45, 108-116.	1.9	56
57	Validation of the MIMOSA-AURORA-IFDM model chain for policy support: Modeling concentrations of elemental carbon in Flanders. <i>Atmospheric Environment</i> , 2011, 45, 6705-6713.	1.9	93
58	Chemical composition, impact from biomass burning, and mass closure for PM _{2.5} and PM ₁₀ aerosols at Hyytiälä, Finland, in summer 2007. <i>X-Ray Spectrometry</i> , 2011, 40, 168-171.	0.9	20
59	Mass spectrometric characterization of isomeric terpenoic acids from the oxidation of α -pinene, β -pinene, δ -limonene, and β -carene in fine forest aerosol. <i>Journal of Mass Spectrometry</i> , 2011, 46, 425-442.	0.7	89
60	Polar organic marker compounds in atmospheric aerosols during the LBA-SMOCC 2002 biomass burning experiment in Rondônia, Brazil: sources and source processes, time series, diel variations and size distributions. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9319-9331.	1.9	90
61	Chirality and the origin of atmospheric humic-like substances. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1315-1327.	1.9	69
62	Characterization of oligomers from methylglyoxal under dark conditions: a pathway to produce secondary organic aerosol through cloud processing during nighttime. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3803-3812.	1.9	74
63	Terpenylic acid and related compounds: precursors for dimers in secondary organic aerosol from the ozonolysis of α - and β -pinene. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9383-9392.	1.9	157
64	Characterization of carbonaceous materials in PM2.5 and PM10 size fractions in Morogoro, Tanzania, during 2006 wet season campaign. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 1665-1670.	0.6	6
65	Characteristics of carbonaceous aerosols in ambient PM10 and PM2.5 particles in Dar es Salaam, Tanzania. <i>Science of the Total Environment</i> , 2010, 408, 1308-1314.	3.9	23
66	A European aerosol phenomenology "3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. <i>Atmospheric Environment</i> , 2010, 44, 1308-1320.	1.9	654
67	Seasonal Variation of Atmospheric Composition of Water-Soluble Inorganic Species at Rural Background Site in Tanzania, East Africa. <i>Ethiopian Journal of Environmental Studies and Management</i> , 2010, 3, .	0.1	6
68	Elemental Composition and Sources of Atmospheric Particulate Matter in Dar es Salaam, Tanzania. <i>Ethiopian Journal of Environmental Studies and Management</i> , 2010, 3, .	0.1	0
69	Chemical characterisation of marine aerosol at Amsterdam Island during the austral summer of 2006-2007. <i>Journal of Aerosol Science</i> , 2010, 41, 13-22.	1.8	99
70	The acid effect in the formation of 2-methyltetrols from the photooxidation of isoprene in the presence of NOx. <i>Atmospheric Research</i> , 2010, 98, 183-189.	1.8	37
71	Hygroscopic growth of atmospheric aerosol sampled in Prague 2008 using humidity controlled inlets. <i>Atmospheric Research</i> , 2010, 98, 237-248.	1.8	9
72	Characterisation of PM10 atmospheric aerosols for the wet season 2005 at two sites in East Africa. <i>Atmospheric Environment</i> , 2009, 43, 631-639.	1.9	50

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73	Chemical composition and mass closure for PM ₁₀ aerosols during the 2005 dry season at a rural site in Morogoro, Tanzania. <i>X-Ray Spectrometry</i> , 2009, 38, 293-300.	0.9	12
74	Seasonal variation of water-soluble inorganic species in the coarse and fine atmospheric aerosols at Dar es Salaam, Tanzania. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 2897-2902.	0.6	12
75	Terpenylic Acid and Related Compounds from the Oxidation of α -Pinene: Implications for New Particle Formation and Growth above Forests. <i>Environmental Science & Technology</i> , 2009, 43, 6976-6982.	4.6	175
76	Atmospheric Iron Deposition: Global Distribution, Variability, and Human Perturbations. <i>Annual Review of Marine Science</i> , 2009, 1, 245-278.	5.1	536
77	Characterization of Atmospheric Aerosols at a Forested Site in Central Europe. <i>Environmental Science & Technology</i> , 2009, 43, 4665-4671.	4.6	100
78	Temporal trend in anthropogenic sulfur aerosol transport from central and eastern Europe to Israel. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	32
79	The formation, properties and impact of secondary organic aerosol: current and emerging issues. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5155-5236.	1.9	3,486
80	Chemical composition and mass closure for PM _{2.5} and PM ₁₀ aerosols at K��puszta, Hungary, in summer 2006. <i>X-Ray Spectrometry</i> , 2008, 37, 193-197.	0.9	55
81	Characterization of organosulfates from the photooxidation of isoprene and unsaturated fatty acids in ambient aerosol using liquid chromatography/(ESI^+) electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 371-382.	0.7	222
82	Determination of isoprene and α -pinene oxidation products in boreal forest aerosols from Hyyti��l��, Finland: diel variations and possible link with particle formation events. <i>Plant Biology</i> , 2008, 10, 138-149.	1.8	81
83	Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. <i>Atmospheric Environment</i> , 2008, 42, 1941-1957.	1.9	98
84	New Directions: Future needs for global monitoring and research of aerosol chemical composition. <i>Atmospheric Environment</i> , 2008, 42, 1070-1072.	1.9	10
85	Identification and estimation of the biomass burning contribution to Beijing aerosol using levoglucosan as a molecular marker. <i>Atmospheric Environment</i> , 2008, 42, 7013-7021.	1.9	178
86	Global distribution of atmospheric phosphorus sources, concentrations and deposition rates, and anthropogenic impacts. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	617
87	Source apportionment of particulate matter in Europe: A review of methods and results. <i>Journal of Aerosol Science</i> , 2008, 39, 827-849.	1.8	812
88	Study of water-soluble atmospheric humic matter in urban and marine environments. <i>Atmospheric Research</i> , 2008, 87, 1-12.	1.8	115
89	Elemental and organic carbon in atmospheric aerosols at downtown and suburban sites in Prague. <i>Atmospheric Research</i> , 2008, 90, 287-302.	1.8	66
90	Polar organic marker compounds in PM _{2.5} aerosol from a mixed forest site in western Germany. <i>Chemosphere</i> , 2008, 73, 1308-1314.	4.2	119

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91	Intercomparison of Measurement Techniques for Black or Elemental Carbon Under Urban Background Conditions in Wintertime: Influence of Biomass Combustion. <i>Environmental Science & Technology</i> , 2008, 42, 884-889.	4.6	104
92	Organosulfate Formation in Biogenic Secondary Organic Aerosol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8345-8378.	1.1	594
93	Aerosol Inorganic Composition at a Tropical Site: Discrepancies Between Filter-Based Sampling and a Semi-Continuous Method. <i>Aerosol Science and Technology</i> , 2008, 42, 255-269.	1.5	10
94	The role of iron and black carbon in aerosol light absorption. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3623-3637.	1.9	97
95	Elemental and organic carbon in PM ₁₀ : a one year measurement campaign within the European Monitoring and Evaluation Programme EMEP. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5711-5725.	1.9	177
96	Seasonal variation of PM ₁₀ main constituents in two valleys of the French Alps. I: EC/OC fractions. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 661-675.	1.9	49
97	Hydroxycarboxylic Acids: Markers for Secondary Organic Aerosol from the Photooxidation of α -Pinene. <i>Environmental Science & Technology</i> , 2007, 41, 1628-1634.	4.6	226
98	Overview of the inorganic and organic composition of size-segregated aerosol in Rondônia, Brazil, from the biomass-burning period to the onset of the wet season. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	128
99	3-methyl-2-butenedicarboxylic acid: An atmospheric tracer for terpene secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	268
100	Comparative chemical mass closure of fine and coarse aerosols at two sites in south and west Europe: Implications for EU air pollution policies. <i>Atmospheric Environment</i> , 2007, 41, 315-326.	1.9	77
101	The chemical composition of tropospheric aerosols and their contributing sources to a continental background site in northern Zimbabwe from 1994 to 2000. <i>Atmospheric Environment</i> , 2007, 41, 2644-2659.	1.9	45
102	Sampling artefacts, concentration and chemical composition of fine water-soluble organic carbon and humic-like substances in a continental urban atmospheric environment. <i>Atmospheric Environment</i> , 2007, 41, 4106-4118.	1.9	101
103	Comparative analysis of organic and elemental carbon concentrations in carbonaceous aerosols in three European cities. <i>Atmospheric Environment</i> , 2007, 41, 5972-5983.	1.9	128
104	Time-resolved mass concentration, composition and sources of aerosol particles in a metropolitan underground railway station. <i>Atmospheric Environment</i> , 2007, 41, 8391-8405.	1.9	153
105	Characterisation of Amazon Basin aerosols at the individual particle level by X-ray microanalytical techniques. <i>Atmospheric Environment</i> , 2007, 41, 9217-9230.	1.9	32
106	EC/OC at Two Sites in Prague. , 2007, , 824-828.		0
107	Characterization and diurnal variation of size-resolved inorganic water-soluble ions at a rural background site. <i>Journal of Environmental Monitoring</i> , 2006, 8, 300.	2.1	48
108	Dust and pollution aerosols over the Negev desert, Israel: Properties, transport, and radiative effect. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	87

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109	Surface tension of atmospheric humic-like substances in connection with relaxation, dilution, and solution pH. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	67
110	Chemical Composition of Secondary Organic Aerosol Formed from the Photooxidation of Isoprene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9665-9690.	1.1	611
111	Changes in elemental composition and mass of atmospheric aerosol pollution between 1996 and 2002 in a Central European city. <i>Environmental Pollution</i> , 2006, 143, 479-488.	3.7	97
112	Characterization of the organic composition of aerosols from Rondônia, Brazil, during the LBA-SMOCC 2002 experiment and its representation through model compounds. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 375-402.	1.9	265
113	Functional group analysis by H NMR/chemical derivatization for the characterization of organic aerosol from the SMOCC field campaign. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1003-1019.	1.9	68
114	Organic and elemental carbon concentrations in carbonaceous aerosols during summer and winter sampling campaigns in Barcelona, Spain. <i>Atmospheric Environment</i> , 2006, 40, 2180-2193.	1.9	102
115	Influence of Sampling Artefacts on Measured PM, OC, and EC Levels in Carbonaceous Aerosols in an Urban Area. <i>Aerosol Science and Technology</i> , 2006, 40, 107-117.	1.5	76
116	Aerosol mass closure and reconstruction of the light scattering coefficient over the Eastern Mediterranean Sea during the MINOS campaign. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2253-2265.	1.9	148
117	Observation of 2-methyltetrols and related photo-oxidation products of isoprene in boreal forest aerosols from Hyytiälä, Finland. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2761-2770.	1.9	169
118	Importance of the organic aerosol fraction for modeling aerosol hygroscopic growth and activation: a case study in the Amazon Basin. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 3111-3126.	1.9	118
119	Low molecular weight organic acids in aerosol particles from Rondônia, Brazil, during the biomass-burning, transition and wet periods. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 781-797.	1.9	196
120	Polar organic compounds in rural PM _{2.5} aerosols from K-pusztá, Hungary, during a 2003 summer field campaign: Sources and diel variations. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1805-1814.	1.9	163
121	Fine structure of mass size distributions in an urban environment. <i>Atmospheric Environment</i> , 2005, 39, 5363-5374.	1.9	45
122	Chemical composition and mass closure for fine and coarse aerosols at a kerbside in Budapest, Hungary, in spring 2002. <i>X-Ray Spectrometry</i> , 2005, 34, 290-296.	0.9	45
123	Characterization of oxygenated derivatives of isoprene related to 2-methyltetrols in Amazonian aerosols using trimethylsilylation and gas chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1343-1351.	0.7	145
124	New Analytical Method for the Determination of Levoglucosan, Polyhydroxy Compounds, and 2-Methylerythritol and Its Application to Smoke and Rainwater Samples. <i>Environmental Science & Technology</i> , 2005, 39, 2744-2752.	4.6	122
125	X-RAY FLUORESCENCE AND EMISSION Particle-Induced X-Ray Emission. , 2005, , 448-458.		0
126	FINE STRUCTURE OF ELEMENTAL AND AEROSOL MASS SIZE DISTRIBUTIONS IN URBAN ENVIRONMENT. <i>Journal of Aerosol Science</i> , 2004, 35, S787-S788.	1.8	0

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127	CHEMICAL COMPOSITION AND MASS CLOSURE OF THE ATMOSPHERIC AEROSOL AT K-PUSZTA, HUNGARY, IN SUMMER 2003. <i>Journal of Aerosol Science</i> , 2004, 35, S799-S800.	1.8	1
128	INVESTIGATIONS DURING SUMMER FIELD CAMPAIGNS IN CENTRAL EUROPE ON THE PERFORMANCE OF A DIFFUSION DENUDER FOR THE ELIMINATION OF SAMPLING ARTIFACTS FOR CARBONACEOUS AEROSOLS. <i>Journal of Aerosol Science</i> , 2004, 35, S1069-S1070.	1.8	3
129	DETAILED SIZE DISTRIBUTION OF THE PARTICULATE MASS AND OVER 20 ELEMENTS IN RONDÃO NIA, BRAZIL, DURING SEPTEMBER-NOVEMBER 2002. <i>Journal of Aerosol Science</i> , 2004, 35, S1067-S1068.	1.8	0
130	Formation of Secondary Organic Aerosols Through Photooxidation of Isoprene. <i>Science</i> , 2004, 303, 1173-1176.	6.0	1,316
131	Elemental and organic carbon in urban canyon and background environments in Budapest, Hungary. <i>Atmospheric Environment</i> , 2004, 38, 27-36.	1.9	133
132	Sources of optically active aerosol particles over the Amazon forest. <i>Atmospheric Environment</i> , 2004, 38, 1039-1051.	1.9	53
133	Local and regional contributions to the atmospheric aerosol over Tel Aviv, Israel: a case study using elemental, ionic and organic tracers. <i>Atmospheric Environment</i> , 2004, 38, 1593-1604.	1.9	53
134	A European aerosol phenomenology ¹ : physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , 2004, 38, 2561-2577.	1.9	494
135	A European aerosol phenomenology ² : chemical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , 2004, 38, 2579-2595.	1.9	801
136	Formation of secondary organic aerosols from isoprene and its gas-phase oxidation products through reaction with hydrogen peroxide. <i>Atmospheric Environment</i> , 2004, 38, 4093-4098.	1.9	333
137	Intercomparison of methods to measure the mass concentration of the atmospheric aerosol during INTERCOMP2000 ³ influence of instrumentation and size cuts. <i>Atmospheric Environment</i> , 2004, 38, 6467-6476.	1.9	65
138	Artefacts in the sampling of nitrate studied in the INTERCOMP campaigns of EUROTRAC-AEROSOL. <i>Atmospheric Environment</i> , 2004, 38, 6487-6496.	1.9	122
139	INTERCOMP2000: the comparability of methods in use in Europe for measuring the carbon content of aerosol. <i>Atmospheric Environment</i> , 2004, 38, 6507-6519.	1.9	106
140	INTERCOMP2000: ionic constitution and comparison of filter and impactor. <i>Atmospheric Environment</i> , 2004, 38, 6477-6486.	1.9	20
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