Markus Ammann

List of Publications by Year
in descending order

177	11,285	38660 50	37111 96
papers	citations	h-index	g-index

252	252	252	7860
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A continuous flow diffusion chamber study of sea salt particles acting as cloud nuclei: deliquescence and ice nucleation. Tellus, Series B: Chemical and Physical Meteorology, 2022, 70, 1463806.	0.8	16
2	Direct evidence of cobalt oxyhydroxide formation on a La_{0.2}Sr_{0.8}CoO₃ perovskite water splitting catalyst. Journal of Materials Chemistry A, 2022, 10, 2434-2444.	5.2	12
3	Ice nucleation imaged with X-ray spectro-microscopy. Environmental Science Atmospheres, 2022, 2, 335-351.	0.9	2
4	Phase Behavior of Internal Mixtures of Hydrocarbon-like Primary Organic Aerosol and Secondary Aerosol Based on Their Differences in Oxygen-to-Carbon Ratios. Environmental Science & Technology, 2022, 56, 3960-3973.	4.6	12
5	Liquidâ€“Gas Interface of Iron Aqueous Solutions and Fenton Reagents. Journal of Physical Chemistry Letters, 2022, 13, 2994-3001.	2.1	7
6	Amplification of light within aerosol particles accelerates in-particle photochemistry. Science, 2022, 376, 293-296.	6.0	21
7	Hole Dynamics in Photoexcited Hematite Studied with Femtosecond Oxygen K-edge X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 4207-4214.	2.1	5
8	Reply to â€œComment on â€˜Liquidâ€“Gas Interface of Iron Aqueous Solutions and Fenton Reagentsâ€™â€. Journal of Physical Chemistry Letters, 2022, 13, 6681-6682.	2.1	2
9	Evaluated kinetic and photochemical data for atmospheric chemistry: volume VIII â€“ gas-phase reactions of organic species with four, or more, carbon atoms (â€‰â‰¥â€‰â€‰C₄). Atmospheric Chemistry and Physics, 2021, 21, 4797-4808.	1.9	30
10	Photolytic radical persistence due to anoxia in viscous aerosol particles. Nature Communications, 2021, 12, 1769.	5.8	37
11	Interfacial supercooling and the precipitation of hydrohalite in frozen NaCl solutions as seen by X-ray absorption spectroscopy. Cryosphere, 2021, 15, 2001-2020.	1.5	8
12	Ordered Hydrogen Bonding Structure of Water Molecules Adsorbed on Silver Iodide Particles under Subsaturated Conditions. Journal of Physical Chemistry C, 2021, 125, 11628-11635.	1.5	9
13	Opinion: The germicidal effect of ambient air (open-air factor) revisited. Atmospheric Chemistry and Physics, 2021, 21, 13011-13018.	1.9	11
14	Phase Behavior of Hydrocarbon-like Primary Organic Aerosol and Secondary Organic Aerosol Proxies Based on Their Elemental Oxygen-to-Carbon Ratio. Environmental Science & Technology, 2021, 55, 12202-12214.	4.6	13
15	Photochemical degradation of iron(III) citrate/citric acid aerosol quantified with the combination of three complementary experimental techniques and a kinetic process model. Atmospheric Chemistry and Physics, 2021, 21, 315-338.	1.9	20
16	Impact of Tetrabutylammonium on the Oxidation of Bromide by Ozone. ACS Earth and Space Chemistry, 2021, 5, 3008-3021.	1.2	11
17	Technical note: Adsorption and desorption equilibria from statistical thermodynamics and rates from transition state theory. Atmospheric Chemistry and Physics, 2021, 21, 15725-15753.	1.9	11
18	A surface-promoted redox reaction occurs spontaneously on solvating inorganic aerosol surfaces. Science, 2021, 374, 747-752.	6.0	28

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19	Aging induced changes in ice nucleation activity of combustion aerosol as determined by near edge X-ray absorption fine structure (NEXAFS) spectroscopy. Environmental Sciences: Processes and Impacts, 2020, 22, 895-907.	1.7	16
20	Reversibly Physisorbed and Chemisorbed Water on Carboxylic Salt Surfaces Under Atmospheric Conditions. Journal of Physical Chemistry C, 2020, 124, 5263-5269.	1.5	18
21	Probing the solidâ€“liquid interface with tender x rays: A new ambient-pressure x-ray photoelectron spectroscopy endstation at the Swiss Light Source. Review of Scientific Instruments, 2020, 91, 023103.	0.6	45
22	Surface Propensity of Aqueous Atmospheric Bromine at the Liquidâ€“Gas Interface. Journal of Physical Chemistry Letters, 2020, 11, 3422-3429.	2.1	22
23	Surface Segregation Acts as Surface Engineering for the Oxygen Evolution Reaction on Perovskite Oxides in Alkaline Media. Chemistry of Materials, 2020, 32, 5256-5263.	3.2	16
24	Snow heterogeneous reactivity of bromide with ozone lost during snow metamorphism. Atmospheric Chemistry and Physics, 2020, 20, 13443-13454.	1.9	5
25	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume VII â€“ Criegee intermediates. Atmospheric Chemistry and Physics, 2020, 20, 13497-13519.	1.9	55
26	MIMiX: a Multipurpose In situ Microreactor system for X-ray microspectroscopy to mimic atmospheric aerosol processing. Atmospheric Measurement Techniques, 2020, 13, 3717-3729.	1.2	5
27	Carbon Dioxide Diffusivity in Single, Levitated Organic Aerosol Particles. Journal of Physical Chemistry Letters, 2019, 10, 4484-4489.	2.1	5
28	Halogen activation and radical cycling initiated by imidazole-2-carboxaldehyde photochemistry. Atmospheric Chemistry and Physics, 2019, 19, 10817-10828.	1.9	12
29	Disordered Adsorbed Water Layers on TiO₂ Nanoparticles under Subsaturated Humidity Conditions at 235 K. Journal of Physical Chemistry Letters, 2019, 10, 7433-7438.	2.1	11
30	Microphysics of the aqueous bulk counters the water activity driven rate acceleration of bromide oxidation by ozone from 289â€“245 K. Environmental Sciences: Processes and Impacts, 2019, 21, 63-73.	1.7	10
31	Aircraft soot from conventional fuels and biofuels during ground idleÂand climb-out conditions: Electron microscopy and X-ray micro-spectroscopy. Environmental Pollution, 2019, 247, 658-667.	3.7	30
32	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air. Atmospheric Chemistry and Physics, 2019, 19, 2209-2232.	1.9	12
33	The opposing effect of butanol and butyric acid on the abundance of bromide and iodide at the aqueous solutionâ€“air interface. Physical Chemistry Chemical Physics, 2019, 21, 8418-8427.	1.3	10
34	Visualizing reaction and diffusion in xanthan gum aerosol particles exposed to ozone. Physical Chemistry Chemical Physics, 2019, 21, 20613-20627.	1.3	15
35	Technical note: Influence of surface roughness and local turbulence on coated-wall flow tube experiments for gas uptake andÂkineticÂstudies. Atmospheric Chemistry and Physics, 2018, 18, 2669-2686.	1.9	9
36	Influence of humidity and iron(<scp>iii</scp>) on photodegradation of atmospheric secondary organic aerosol particles. Physical Chemistry Chemical Physics, 2018, 20, 30021-30031.	1.3	9

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37	IUPAC in the (real) clouds. Chemistry International, 2018, 40, 10-13.	0.3	1
38	Pre-melting and the adsorption of formic acid at the airâ€“ice interface at 253 K as seen by NEXAFS and XPS. Physical Chemistry Chemical Physics, 2018, 20, 24408-24417.	1.3	14
39	X-Ray Excited Electron Spectroscopy to Study Gasâ€“Liquid Interfaces of Atmospheric Relevance. , 2018, , 135-166.		16
40	Imaging Molecular Reaction and Diffusion in Organic Aerosol Particles. Microscopy and Microanalysis, 2018, 24, 496-497.	0.2	0
41	Particle-Phase Photosensitized Radical Production and Aerosol Aging. Environmental Science & Technology, 2018, 52, 7680-7688.	4.6	45
42	The Essential Role for Laboratory Studies in Atmospheric Chemistry. Environmental Science & Technology, 2017, 51, 2519-2528.	4.6	75
43	A surface-stabilized ozonide triggers bromide oxidation at the aqueous solution-vapour interface. Nature Communications, 2017, 8, 700.	5.8	59
44	Fatty Acid Surfactant Photochemistry Results in New Particle Formation. Scientific Reports, 2017, 7, 12693.	1.6	37
45	Coexistence of Physisorbed and Solvated HCl at Warm Ice Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 4757-4762.	2.1	26
46	Light-induced protein nitration and degradation with HONOÂemission. Atmospheric Chemistry and Physics, 2017, 17, 11819-11833.	1.9	22
47	Efficient bulk mass accommodation and dissociation of N₂O₅ in neutral aqueous aerosol. Atmospheric Chemistry and Physics, 2017, 17, 6493-6502.	1.9	7
48	Technical note: Monte Carlo genetic algorithm (MCGA) for model analysis of multiphase chemical kinetics to determine transport and reaction rate coefficients using multiple experimental data sets. Atmospheric Chemistry and Physics, 2017, 17, 8021-8029.	1.9	33
49	Photochemical Formation of Nitrite and Nitrous Acid (HONO) upon Irradiation of Nitrophenols in Aqueous Solution and in Viscous Secondary Organic Aerosol Proxy. Environmental Science & Technology, 2017, 51, 7486-7495.	4.6	42
50	Experimental Evidence for the Formation of Solvation Shells by Soluble Species at a Nonuniform Airâ€“Ice Interface. ACS Earth and Space Chemistry, 2017, 1, 572-579.	1.2	17
51	Organic Nitrate Contribution to New Particle Formation and Growth in Secondary Organic Aerosols from Î±-Pinene Ozonolysis. Environmental Science & Technology, 2016, 50, 6334-6342.	4.6	47
52	Ozone uptake on glassy, semi-solid and liquid organic matter and the role of reactive oxygen intermediates in atmospheric aerosol chemistry. Physical Chemistry Chemical Physics, 2016, 18, 12662-12674.	1.3	117
53	Chemical Composition and Properties of the Liquidâ€“Vapor Interface of Aqueous C1 to C4 Monofunctional Acid and Alcohol Solutions. Journal of Physical Chemistry A, 2016, 120, 9749-9758.	1.1	26
54	Heterogeneous photochemistry of imidazole-2-carboxaldehyde: HO₂ radical formation and aerosol growth. Atmospheric Chemistry and Physics, 2016, 16, 11823-11836.	1.9	48

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55	Uptake of gaseous formaldehyde by soil surfaces: a combination of adsorption/desorption equilibrium and chemical reactions. Atmospheric Chemistry and Physics, 2016, 16, 10299-10311.	1.9	26
56	The effect of viscosity and diffusion on the HO₂ uptake by sucrose and secondary organic aerosol particles. Atmospheric Chemistry and Physics, 2016, 16, 13035-13047.	1.9	29
57	The Environmental Photochemistry of Oxide Surfaces and the Nature of Frozen Salt Solutions: A New in Situ XPS Approach. Topics in Catalysis, 2016, 59, 591-604.	1.3	54
58	Viscosity controls humidity dependence of N₂O₅ uptake to citric acid aerosol. Atmospheric Chemistry and Physics, 2015, 15, 13615-13625.	1.9	46
59	Electrodynamic balance measurements of thermodynamic, kinetic, and optical aerosol properties inaccessible to bulk methods. Atmospheric Measurement Techniques, 2015, 8, 2397-2408.	1.2	39
60	Heterogeneous Photochemistry in the Atmosphere. Chemical Reviews, 2015, 115, 4218-4258.	23.0	497
61	Shikimic acid ozonolysis kinetics of the transition from liquid aqueous solution to highly viscous glass. Physical Chemistry Chemical Physics, 2015, 17, 31101-31109.	1.3	41
62	Ion Spatial Distributions at the Airâ€“ and Vacuumâ€“Aqueous K₂CO₃ Interfaces. Journal of Physical Chemistry C, 2015, 119, 4976-4982.	1.5	15
63	Quantitative depth profiling of Ce³⁺ in Pt/CeO₂ by in situ high-energy XPS in a hydrogen atmosphere. Physical Chemistry Chemical Physics, 2015, 17, 5078-5083.	1.3	77
64	Competition between Organics and Bromide at the Aqueous Solutionâ€“Air Interface as Seen from Ozone Uptake Kinetics and X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 4600-4608.	1.1	24
65	Exploring the Environmental Photochemistry on the TiO₂(110) Surface in Situ by Near Ambient Pressure X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 7076-7085.	1.5	31
66	Production and use of 13N labeled N2O5 to determine gasâ€“aerosol interaction kinetics. Radiochimica Acta, 2014, .	0.5	3
67	Liquidâ€“Vapor Interface of Formic Acid Solutions in Salt Water: A Comparison of Macroscopic Surface Tension and Microscopic in Situ X-ray Photoelectron Spectroscopy Measurements. Journal of Physical Chemistry C, 2014, 118, 29350-29360.	1.5	24
68	A review of airâ€“ice chemical and physical interactions (AICI): liquids, quasi-liquids, and solids in snow. Atmospheric Chemistry and Physics, 2014, 14, 1587-1633.	1.9	235
69	The influence of physical state on shikimic acid ozonolysis: a case for in situ microspectroscopy. Atmospheric Chemistry and Physics, 2014, 14, 10761-10772.	1.9	41
70	Ozoneâ€Induced Band Bending on Metalâ€Oxide Surfaces Studied under Environmental Conditions. ChemPhysChem, 2013, 14, 2419-2425.	1.0	17
71	Variations in diesel soot reactivity along the exhaust after-treatment system, based on the morphology and nanostructure of primary soot particles. Combustion and Flame, 2013, 160, 671-681.	2.8	100
72	A new endstation at the Swiss Light Source for ultraviolet photoelectron spectroscopy, X-ray photoelectron spectroscopy, and X-ray absorption spectroscopy measurements of liquid solutions. Review of Scientific Instruments, 2013, 84, 073904.	0.6	62

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73	Adsorption of Acetic Acid on Ice Studied by Ambient-Pressure XPS and Partial-Electron-Yield NEXAFS Spectroscopy at 230â€“240 K. Journal of Physical Chemistry A, 2013, 117, 401-409.	1.1	52
74	Effect of Surface Charge Density on the Affinity of Oxide Nanoparticles for the Vaporâ€“Water Interface. Langmuir, 2013, 29, 5023-5029.	1.6	52
75	Diffusion of volatile organics through porous snow: impact of surface adsorption and grain boundaries. Atmospheric Chemistry and Physics, 2013, 13, 6727-6739.	1.9	14
76	Coupling a Knudsen reactor with the short lived radioactive tracer 13N for atmospheric chemistry studies. Review of Scientific Instruments, 2013, 84, 035101.	0.6	0
77	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume VI â€“ heterogeneous reactions with liquid substrates. Atmospheric Chemistry and Physics, 2013, 13, 8045-8228.	1.9	167
78	Kinetic regimes and limiting cases of gas uptake and heterogeneous reactions in atmospheric aerosols and clouds: a general classification scheme. Atmospheric Chemistry and Physics, 2013, 13, 6663-6686.	1.9	77
79	Corrigendum to "Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V â€“ heterogeneous reactions on solid substrates" published in Atmos. Chem. Phys. 10, 9059â€“9223, 2010. Atmospheric Chemistry and Physics, 2013, 13, 7359-7359.	1.9	9
80	Emerging Areas in Atmospheric Photochemistry. Topics in Current Chemistry, 2012, 339, 1-53.	4.0	18
81	Temporal evolution of surface and grain boundary area in artificial ice beads and implications for snow chemistry. Journal of Glaciology, 2012, 58, 815-817.	1.1	9
82	Organics in environmental ices: sources, chemistry, and impacts. Atmospheric Chemistry and Physics, 2012, 12, 9653-9678.	1.9	110
83	The adsorption of peroxynitric acid on ice between 230 K and 253 K. Atmospheric Chemistry and Physics, 2012, 12, 1833-1845.	1.9	18
84	Multiphase Chemical Kinetics of the Nitration of Aerosolized Protein by Ozone and Nitrogen Dioxide. Environmental Science & Technology, 2012, 46, 6672-6680.	4.6	80
85	Standard States and Thermochemical Kinetics in Heterogeneous Atmospheric Chemistry. Journal of Physical Chemistry A, 2012, 116, 6312-6316.	1.1	18
86	Electronic Structures of Formic Acid (HCOOH) and Formate (HCOO^{â€“}) in Aqueous Solutions. Journal of Physical Chemistry Letters, 2012, 3, 1754-1759.	2.1	35
87	UVA/Vis-induced nitrous acid formation on polyphenolic films exposed to gaseous NO2. Photochemical and Photobiological Sciences, 2011, 10, 1680-1690.	1.6	43
88	Acetone adsorption on ice investigated by X-ray spectroscopy and density functional theory. Physical Chemistry Chemical Physics, 2011, 13, 19988.	1.3	32
89	Increased steady state uptake of ozone on soot due to UV/Vis radiation. Journal of Geophysical Research, 2011, 116, .	3.3	43
90	Direct observation of water uptake and release in individual submicrometer sized ammonium sulfate and ammonium sulfate/adipic acid particles using X-ray microspectroscopy. Journal of Aerosol Science, 2011, 42, 38-51.	1.8	32

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91	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	1.9	278
92	Aging induced changes on NEXAFS fingerprints in individual combustion particles. Atmospheric Chemistry and Physics, 2011, 11, 11777-11791.	1.9	17
93	The role of long-lived reactive oxygen intermediates in the reaction of ozone with aerosol particles. Nature Chemistry, 2011, 3, 291-295.	6.6	172
94	Photoinduced reduction of divalent mercury in ice by organic matter. Chemosphere, 2011, 82, 199-203.	4.2	32
95	A novel synthesis of the N-13 labeled atmospheric trace gas peroxynitric acid. Radiochimica Acta, 2011, 99, 285-292.	0.5	6
96	Gas uptake and chemical aging of semisolid organic aerosol particles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11003-11008.	3.3	555
97	3-D imaging and quantification of graupel porosity by synchrotron-based micro-tomography. Atmospheric Measurement Techniques, 2011, 4, 2225-2234.	1.2	5
98	Humidity driven nanoscale chemical separation in complex organic matter. Environmental Chemistry, 2011, 8, 450.	0.7	13
99	Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V â€“ heterogeneous reactions on solid substrates. Atmospheric Chemistry and Physics, 2010, 10, 9059-9223.	1.9	312
100	The effect of fatty acid surfactants on the uptake of ozone to aqueous halogenide particles. Atmospheric Chemistry and Physics, 2010, 10, 11489-11500.	1.9	43
101	Humic acid in ice: Photo-enhanced conversion of nitrogen dioxide into nitrous acid. Atmospheric Environment, 2010, 44, 5443-5450.	1.9	54
102	Surface Chemical Properties of Eutectic and Frozen NaCl Solutions Probed by XPS and NEXAFS. ChemPhysChem, 2010, 11, 3859-3866.	1.0	38
103	An overview of current issues in the uptake of atmospheric trace gases by aerosols and clouds. Atmospheric Chemistry and Physics, 2010, 10, 10561-10605.	1.9	352
104	Diffusion of NO_x and HONO in snow: A laboratory study. Journal of Geophysical Research, 2010, 115, .	3.3	25
105	Interaction of Nitrous Acid with Polycrystalline Ice: Adsorption on the Surface and Diffusion into the Bulk. Journal of Physical Chemistry C, 2010, 114, 2208-2219.	1.5	22
106	Uptake of Ozone to Deliquesced KI and Mixed KI/NaCl Aerosol Particles. Journal of Physical Chemistry A, 2010, 114, 7085-7093.	1.1	31
107	Light changes the atmospheric reactivity of soot. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6605-6609.	3.3	252
108	An in situ cell to study phase transitions in individual aerosol particles on a substrate using scanning transmission x-ray microspectroscopy. Review of Scientific Instruments, 2010, 81, 113706.	0.6	35

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109	The nature of nitrate at the ice surface studied by XPS and NEXAFS. Physical Chemistry Chemical Physics, 2010, 12, 8870.	1.3	91
110	Co-adsorption of acetic acid and nitrous acid on ice. Physical Chemistry Chemical Physics, 2010, 12, 7194.	1.3	20
111	Product study of oleic acid ozonolysis as function of humidity. Atmospheric Environment, 2009, 43, 3662-3669.	1.9	67
112	Uptake of NO2 to Deliquesced Dihydroxybenzoate Aerosol Particles. Journal of Physical Chemistry A, 2009, 113, 10979-10987.	1.1	11
113	Kinetics of the heterogeneous reaction of nitric acid with mineral dust particles: an aerosol flowtube study. Physical Chemistry Chemical Physics, 2009, 11, 7921.	1.3	41
114	Lightâ€induced ozone depletion by humic acid films and submicron aerosol particles. Journal of Geophysical Research, 2009, 114, .	3.3	37
115	Photoenhanced uptake of NO₂ on mineral dust: Laboratory experiments and model simulations. Geophysical Research Letters, 2008, 35, .	1.5	200
116	Interaction of gaseous elemental mercury with snow surfaces: laboratory investigation. Environmental Research Letters, 2008, 3, 045009.	2.2	26
117	Measuring the specific surface area of snow with X-ray tomography and gas adsorption: comparison and implications for surface smoothness. Atmospheric Chemistry and Physics, 2008, 8, 1261-1275.	1.9	95
118	Changes of fatty acid aerosol hygroscopicity induced by ozonolysis under humid conditions. Atmospheric Chemistry and Physics, 2008, 8, 4683-4690.	1.9	41
119	The effect of fatty acid surfactants on the uptake of nitric acid to deliquesced NaCl aerosol. Atmospheric Chemistry and Physics, 2008, 8, 5127-5141.	1.9	44
120	Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions â€“ Part 1: General equations, parameters, and terminology. Atmospheric Chemistry and Physics, 2007, 7, 5989-6023.	1.9	262
121	Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions â€“ Part 2: Exemplary practical applications and numerical simulations. Atmospheric Chemistry and Physics, 2007, 7, 6025-6045.	1.9	84
122	Light induced conversion of nitrogen dioxide into nitrous acid on submicron humic acid aerosol. Atmospheric Chemistry and Physics, 2007, 7, 4237-4248.	1.9	234
123	An overview of snow photochemistry: evidence, mechanisms and impacts. Atmospheric Chemistry and Physics, 2007, 7, 4329-4373.	1.9	554
124	Bromine Enrichment in the Near-Surface Region of Br-Doped NaCl Single Crystals Diagnosed by Rutherford Backscattering Spectrometry. Journal of Physical Chemistry A, 2007, 111, 4312-4321.	1.1	16
125	The Effect of an Organic Surfactant on the Liquidâ^'Vapor Interface of an Electrolyte Solution. Journal of Physical Chemistry C, 2007, 111, 13497-13509.	1.5	115
126	The Uptake of Acidic Gases on Ice. Chemical Reviews, 2006, 106, 1375-1444.	23.0	190

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127	Effect of humidity on nitric acid uptake to mineral dust aerosol particles. Atmospheric Chemistry and Physics, 2006, 6, 2147-2160.	1.9	125
128	Photosensitized reduction of nitrogen dioxide on humic acid as a source of nitrous acid. Nature, 2006, 440, 195-198.	13.7	469
129	Chemical investigations of isotope separation on line target units for carbon and nitrogen beams. Review of Scientific Instruments, 2006, 77, 03A708.	0.6	5
130	Photoenhanced uptake of gaseous NO2 on solid organic compounds: a photochemical source of HONO?. Faraday Discussions, 2005, 130, 195.	1.6	337
131	Nitrogen dioxide multiphase chemistry: Uptake kinetics on aqueous solutions containing phenolic compounds. Physical Chemistry Chemical Physics, 2005, 7, 2513.	1.3	89
132	Atmospheric Pressure Coated-Wall Flow-Tube Study of Acetone Adsorption on Ice. Journal of Physical Chemistry A, 2005, 109, 4531-4539.	1.1	43
133	Generation of Submicron Arizona Test Dust Aerosol: Chemical and Hygroscopic Properties. Aerosol Science and Technology, 2005, 39, 452-460.	1.5	95
134	First detection of nitrogen from NOx in tree rings: a 15N/14N study near a motorway. Atmospheric Environment, 2004, 38, 2779-2787.	1.9	103
135	The partitioning of acetone to different types of ice and snow between 198 and 223 K. Geophysical Research Letters, 2004, 31, .	1.5	39
136	Correction to â€œThe partitioning of acetone to different types of ice and snow between 198 and 223 Kâ€• Geophysical Research Letters, 2004, 31, .	1.5	3
137	An atmospheric pressure chemical ionization mass spectrometer (APCI-MS) combined with a chromatographic technique to measure the adsorption enthalpy of acetone on ice. International Journal of Mass Spectrometry, 2003, 226, 279-290.	0.7	19
138	Effects of reversible adsorption and Langmuirâ€“Hinshelwood surface reactions on gas uptake by atmospheric particles. Physical Chemistry Chemical Physics, 2003, 5, 351-356.	1.3	153
139	Partitioning of reactive nitrogen (NO_y) and dependence on meteorological conditions in the lower free troposphere. Atmospheric Chemistry and Physics, 2003, 3, 779-796.	1.9	161
140	Reaction Kinetics of NO2 with Resorcinol and 2,7-Naphthalenediol in the Aqueous Phase at Different pH. Journal of Physical Chemistry A, 2002, 106, 12045-12050.	1.1	33
141	The impact of multiphase reactions of NO₂ with aromatics: a modelling approach. Atmospheric Chemistry and Physics, 2002, 2, 215-226.	1.9	14
142	Accommodation coefficient of HOBr on deliquescent sodium bromide aerosol particles. Atmospheric Chemistry and Physics, 2002, 2, 121-131.	1.9	39
143	The adsorption of nitrogen oxides on crystalline ice. Atmospheric Chemistry and Physics, 2002, 2, 235-247.	1.9	72
144	Uptake of HNO₃ to deliquescent sea-salt particles: a study using the short-lived radioactive isotope tracer ¹³N. Atmospheric Chemistry and Physics, 2002, 2, 249-257.	1.9	64

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145	Significance of Semivolatile Diesel Exhaust Organics for Secondary HONO Formation. Environmental Science & Technology, 2002, 36, 677-682.	4.6	135
146	The reaction of NO2 with solid anthrarobin (1,2,10-trihydroxy-anthracene). Physical Chemistry Chemical Physics, 2002, 4, 3684-3690.	1.3	51
147	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2002, 254, 201-208.	0.7	5
148	Heterogeneous Reaction of NO2on Diesel Soot Particles. Environmental Science & Technology, 2001, 35, 2191-2199.	4.6	162
149	Formation of hono from the reaction of NO2 with diesel soot. Journal of Aerosol Science, 2000, 31, 1035.	1.8	5
150	Summertime NOyspeciation at the Jungfraujoch, 3580 m above sea level, Switzerland. Journal of Geophysical Research, 2000, 105, 6655-6667.	3.3	110
151	Estimating the uptake of traffic-derived NO 2 from 15 N abundance in Norway spruce needles. Oecologia, 1999, 118, 124-131.	0.9	177
152	NOy speciation with a combined wet effluent diffusion denuder â€“ aerosol collector coupled to ion chromatography. Atmospheric Environment, 1999, 33, 1131-1140.	1.9	79
153	Adsorption of NO2 on carbon aerosol particles in the low ppb range. Atmospheric Environment, 1999, 33, 2815-2822.	1.9	30
154	The effect of sampling conditions on the reactivity of diesel soot particles towards NO2. Journal of Aerosol Science, 1999, 30, S873-S874.	1.8	0
155	On the NO2+ soot reaction in the atmosphere. Journal of Geophysical Research, 1999, 104, 1729-1736.	3.3	76
156	Heterogeneous formation of nitrous acid (HONO) on soot aerosol particles. Journal of Geophysical Research, 1999, 104, 13825-13832.	3.3	126
157	Heterogeneous production of nitrous acid on soot in polluted air masses. Nature, 1998, 395, 157-160.	13.7	383
158	NO2 -induced nitrate reductase activity in needles of Norway spruce (Picea abies) under laboratory and field conditions. Physiologia Plantarum, 1998, 102, 596-604.	2.6	5
159	Nitrous acid formation on soot particles: Surface chemistry and the effect of humidity. Journal of Aerosol Science, 1998, 29, S1031-S1032.	1.8	2
160	Continuous automated measurement of the soluble fraction of atmospheric aerosols. Journal of Aerosol Science, 1997, 28, S155-S156.	1.8	2
161	Adsorption and reaction of NO2 with carbon aerosol particles at different humidities and ozone concentrations. Journal of Aerosol Science, 1997, 28, S339-S340.	1.8	0
162	Chemical reactions on aerosol particle surfaces: Concept and methods. Journal of Aerosol Science, 1996, 27, S651-S652.	1.8	4

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163	Interaction of radioactively labelled NO2 with diesel and iron oxide aerosols. Journal of Aerosol Science, 1996, 27, S669-S670.	1.8	1
164	Heterogeneous Chemical Processing of13NO2by Monodisperse Carbon Aerosols at Very Low Concentrations. The Journal of Physical Chemistry, 1996, 100, 15487-15493.	2.9	60
165	Uptake and assimilation of atmospheric NO2 â€" N by spruce needles (Picea abies): A field study. Water, Air, and Soil Pollution, 1995, 85, 1497-1502.	1.1	15
166	Tracing uptake and assimilation of NO2in spruce needles with13N. Journal of Experimental Botany, 1995, 46, 1685-1691.	2.4	17
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