Yinon Rudich

List of Publications by Year
in descending order

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262	24,676	9428	11282
papers	citations	76 h-index	141 g-index

343	343	343	18712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Atmospheric Aging on Soot Particle Toxicity in Lung Cell Models at the Airâ€“Liquid Interface: Differential Toxicological Impacts of Biogenic and Anthropogenic Secondary Organic Aerosols (SOAs). Environmental Health Perspectives, 2022, 130, 27003.	2.8	44
2	Are reactive oxygen species (ROS) a suitable metric to predict toxicity of carbonaceous aerosol particles?. Atmospheric Chemistry and Physics, 2022, 22, 1793-1809.	1.9	30
3	Molecular Analysis of Secondary Brown Carbon Produced from the Photooxidation of Naphthalene. Environmental Science & Technology, 2022, 56, 3340-3353.	4.6	22
4	Nocturnal Atmospheric Oxidative Processes in the Indoâ€Gangetic Plain and Their Variation During the COVIDâ€19 Lockdowns. Geophysical Research Letters, 2022, 49, .	1.5	6
5	Optical Properties of Secondary Organic Aerosol Produced by Photooxidation of Naphthalene under NOx Condition. Environmental Science & Technology, 2022, 56, 4816-4827.	4.6	20
6	pH modifies the oxidative potential and peroxide content of biomass burning HULIS under dark aging. Science of the Total Environment, 2022, 834, 155365.	3.9	13
7	On the Complementarity and Informative Value of Different Electron Ionization Mass Spectrometric Techniques for the Chemical Analysis of Secondary Organic Aerosols. ACS Earth and Space Chemistry, 2022, 6, 1358-1374.	1.2	4
8	Accurate observation of black and brown carbon in atmospheric fine particles via a versatile aerosol concentration enrichment system (VACES). Science of the Total Environment, 2022, 837, 155817.	3.9	4
9	Terrestrial and marine influence on atmospheric bacterial diversity over the north Atlantic and Pacific Oceans. Communications Earth & Environment, 2022, 3, .	2.6	13
10	Gelatin Stabilizes Nebulized Proteins in Pulmonary Drug Delivery against COVID-19. ACS Biomaterials Science and Engineering, 2022, 8, 2553-2563.	2.6	9
11	Evolution of light absorption properties during photochemical aging of straw open burning aerosols. Science of the Total Environment, 2022, 838, 156431.	3.9	4
12	Chemical composition and morphological analysis of atmospheric particles from an intensive bonfire burning festival. Environmental Science Atmospheres, 2022, 2, 616-633.	0.9	1
13	Exposure to naphthalene and Î²-pinene-derived secondary organic aerosol induced divergent changes in transcript levels of BEAS-2B cells. Environment International, 2022, 166, 107366.	4.8	18
14	Climate Change and Weather Extremes in the Eastern Mediterranean and Middle East. Reviews of Geophysics, 2022, 60, .	9.0	131
15	Comprehensive detection of nitrated aromatic compounds in fine particulate matter using gas chromatography and tandem mass spectrometry coupled with an electron capture negative ionization source. Journal of Hazardous Materials, 2021, 407, 124794.	6.5	20
16	Chemical Composition and Molecular-Specific Optical Properties of Atmospheric Brown Carbon Associated with Biomass Burning. Environmental Science & Technology, 2021, 55, 2511-2521.	4.6	58
17	Cytotoxicity and chemical composition of women's personal PM_{2.5} exposures from rural China. Environmental Science Atmospheres, 2021, 1, 359-371.	0.9	2
18	Optical Properties of Secondary Organic Aerosol Produced by Nitrate Radical Oxidation of Biogenic Volatile Organic Compounds. Environmental Science & Technology, 2021, 55, 2878-2889.	4.6	35

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19	Size-resolved atmospheric ice-nucleating particles during East Asian dust events. Atmospheric Chemistry and Physics, 2021, 21, 3491-3506.	1.9	12
20	Toxicity of Water- and Organic-Soluble Wood Tar Fractions from Biomass Burning in Lung Epithelial Cells. Chemical Research in Toxicology, 2021, 34, 1588-1603.	1.7	17
21	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. Environmental Science & Technology, 2021, 55, 7786-7793.	4.6	12
22	Correcting micro-aethalometer absorption measurements for brown carbon aerosol. Science of the Total Environment, 2021, 777, 146143.	3.9	7
23	SARS-CoV-2 variant prediction and antiviral drug design are enabled by RBD in vitro evolution. Nature Microbiology, 2021, 6, 1188-1198.	5.9	314
24	The Toxic Effect of Water-Soluble Particulate Pollutants from Biomass Burning on Alveolar Lung Cells. Atmosphere, 2021, 12, 1023.	1.0	3
25	The Response of Airborne Mycobiome to Dust Storms in the Eastern Mediterranean. Journal of Fungi (Basel, Switzerland), 2021, 7, 802.	1.5	6
26	Above us only sky. Communications Earth & Environment, 2021, 2, .	2.6	1
27	Diel cycle of sea spray aerosol concentration. Nature Communications, 2021, 12, 5476.	5.8	5
28	Secondary organic aerosols produced from photochemical oxidation of secondarily evaporated biomass burning organic gases: Chemical composition, toxicity, optical properties, and climate effect. Environment International, 2021, 157, 106801.	4.8	11
29	Organic Iodine Compounds in Fine Particulate Matter from a Continental Urban Region: Insights into Secondary Formation in the Atmosphere. Environmental Science & Technology, 2021, 55, 1508-1514.	4.6	9
30	Scattering and absorption cross sections of atmospheric gases in the ultravioletâ€“visible wavelength range (307â€“725â€‰nm). Atmospheric Chemistry and Physics, 2021, 21, 14927-14940.	1.9	13
31	Size-Resolved Community Structure of Bacteria and Fungi Transported by Dust in the Middle East. Frontiers in Microbiology, 2021, 12, 744117.	1.5	12
32	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO₃ Radical Reactions. Environmental Science & Technology, 2020, 54, 1395-1405.	4.6	96
33	Isomeric Identification of Particle-Phase Organic Nitrates through Gas Chromatography and Time-of-Flight Mass Spectrometry Coupled with an Electron Capture Negative Ionization Source. Environmental Science & Technology, 2020, 54, 707-713.	4.6	17
34	Tara Pacific Expeditionâ€™s Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. Bulletin of the American Meteorological Society, 2020, 101, E536-E554.	1.7	9
35	A Closer Look at the Role of the Cyprus Low on Dust Events in the Negev Desert. Atmosphere, 2020, 11, 1020.	1.0	8
36	On-chip analysis of atmospheric ice-nucleating particles in continuous flow. Lab on A Chip, 2020, 20, 2889-2910.	3.1	24

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37	Laboratory Insights into the Diel Cycle of Optical and Chemical Transformations of Biomass Burning Brown Carbon Aerosols. Environmental Science & Technology, 2020, 54, 11827-11837.	4.6	28
38	Airborne microplastic particles detected in the remote marine atmosphere. Communications Earth & Environment, 2020, 1, .	2.6	131
39	Large global variations in measured airborne metal concentrations driven by anthropogenic sources. Scientific Reports, 2020, 10, 21817.	1.6	17
40	Stochastic nucleation processes and substrate abundance explain time-dependent freezing in supercooled droplets. Npj Climate and Atmospheric Science, 2020, 3, 2.	2.6	30
41	Mechanisms of lung toxicity induced by biomass burning aerosols. Particle and Fibre Toxicology, 2020, 17, 4.	2.8	39
42	Links between airborne microbiome, meteorology, and chemical composition in northwestern Turkey. Science of the Total Environment, 2020, 725, 138227.	3.9	23
43	Early detection of smoldering in silos: Organic material emissions as precursors. Fire Safety Journal, 2020, 114, 103009.	1.4	9
44	Particulate Matter Toxicity Is Nrf2 and Mitochondria Dependent: The Roles of Metals and Polycyclic Aromatic Hydrocarbons. Chemical Research in Toxicology, 2020, 33, 1110-1120.	1.7	78
45	Marine Aerosols: Measurements by the Tara Pacific Expedition. Bulletin of the American Meteorological Society, 2020, 101, 499-504.	1.7	0
46	Hydrophobic Organic Components of Ambient Fine Particulate Matter (PM_{2.5}) Associated with Inflammatory Cellular Response. Environmental Science & Technology, 2019, 53, 10479-10486.	4.6	48
47	Spatially Shaped Laser Pulses for the Simultaneous Detection of Polycyclic Aromatic Hydrocarbons as well as Positive and Negative Inorganic Ions in Single Particle Mass Spectrometry. Analytical Chemistry, 2019, 91, 10282-10288.	3.2	21
48	Connecting the Oxidative Potential of Secondary Organic Aerosols with Reactive Oxygen Species in Exposed Lung Cells. Environmental Science & Technology, 2019, 53, 13949-13958.	4.6	55
49	Ice Nucleation Properties of Ice-binding Proteins from Snow Fleas. Biomolecules, 2019, 9, 532.	1.8	13
50	Size-dependent ice nucleation by airborne particles during dust events in the eastern Mediterranean. Atmospheric Chemistry and Physics, 2019, 19, 11143-11158.	1.9	29
51	Chemical Composition and Toxicity of Particles Emitted from a Consumer-Level 3D Printer Using Various Materials. Environmental Science & Technology, 2019, 53, 12054-12061.	4.6	71
52	A comprehensive characterization of ice nucleation by three different types of cellulose particles immersed in water. Atmospheric Chemistry and Physics, 2019, 19, 4823-4849.	1.9	48
53	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. ACS Earth and Space Chemistry, 2019, 3, 748-759.	1.2	16
54	Nrf2 protects against diverse PM2.5 components-induced mitochondrial oxidative damage in lung cells. Science of the Total Environment, 2019, 669, 303-313.	3.9	62

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55	Dynamic changes in optical and chemical properties of tar ball aerosols by atmospheric photochemical aging. Atmospheric Chemistry and Physics, 2019, 19, 139-163.	1.9	81
56	Contrasting Behavior of Antifreeze Proteins: Ice Growth Inhibitors and Ice Nucleation Promoters. Journal of Physical Chemistry Letters, 2019, 10, 966-972.	2.1	67
57	Evolution of the Complex Refractive Index of Secondary Organic Aerosols during Atmospheric Aging. Environmental Science & Technology, 2018, 52, 3456-3465.	4.6	40
58	Exposure to air pollution interacts with obesogenic nutrition to induce tissue-specific response patterns. Environmental Pollution, 2018, 239, 532-543.	3.7	19
59	Seasonal variations in fine particle composition from Beijing prompt oxidative stress response in mouse lung and liver. Science of the Total Environment, 2018, 626, 147-155.	3.9	46
60	Effects on IL-1Î² signaling activation induced by water and organic extracts of fine particulate matter (PM2.5) inÂvitro. Environmental Pollution, 2018, 237, 592-600.	3.7	90
61	Changes in oxidative potential of soil and fly ash after reaction with gaseous nitric acid. Atmospheric Environment, 2018, 173, 306-315.	1.9	9
62	Identification of secondary aerosol precursors emitted by an aircraft turbofan. Atmospheric Chemistry and Physics, 2018, 18, 7379-7391.	1.9	14
63	The Role of Secondary Ice Processes in Midlatitude Continental Clouds. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,762.	1.2	13
64	The Fifth International Workshop on Ice Nucleation phase 2 (FIN-02): laboratory intercomparison of ice nucleation measurements. Atmospheric Measurement Techniques, 2018, 11, 6231-6257.	1.2	82
65	Coal fly ash: linking immersion freezing behavior and physicochemical particle properties. Atmospheric Chemistry and Physics, 2018, 18, 13903-13923.	1.9	27
66	Global Sources of Fine Particulate Matter: Interpretation of PM_{2.5} Chemical Composition Observed by SPARTAN using a Global Chemical Transport Model. Environmental Science & Technology, 2018, 52, 11670-11681.	4.6	68
67	The Welzmann Supercooled Droplets Observation on aÂMicroarray (WISDOM) and application for ambient dust. Atmospheric Measurement Techniques, 2018, 11, 233-248.	1.2	57
68	Secondary Organic Aerosol Formation From Isoprene Epoxides in the Pearl River Delta, South China: IEPOXâ€•and HMMLâ€Derived Tracers. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6999-7012.	1.2	27
69	Infection Dynamics of a Bloom-Forming Alga and Its Virus Determine Airborne Coccolith Emission from Seawater. IScience, 2018, 6, 327-335.	1.9	14
70	Exposure of Lung Epithelial Cells to Photochemically Aged Secondary Organic Aerosol Shows Increased Toxic Effects. Environmental Science and Technology Letters, 2018, 5, 424-430.	3.9	83
71	Environmental conditions regulate the impact of plants on cloud formation. Nature Communications, 2017, 8, 14067.	5.8	62
72	The Essential Role for Laboratory Studies in Atmospheric Chemistry. Environmental Science & Technology, 2017, 51, 2519-2528.	4.6	75

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73	Origin-Dependent Variations in the Atmospheric Microbiome Community in Eastern Mediterranean Dust Storms. Environmental Science & Technology, 2017, 51, 6709-6718.	4.6	101
74	Broadband optical properties of biomassâ€burning aerosol and identification of brown carbon chromophores. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5441-5456.	1.2	96
75	The Potential Role of Criegee Intermediates in Nighttime Atmospheric Chemistry. A Modeling Study. ACS Earth and Space Chemistry, 2017, 1, 288-298.	1.2	9
76	Molecular Chemistry of Atmospheric Brown Carbon Inferred from a Nationwide Biomass Burning Event. Environmental Science & Technology, 2017, 51, 11561-11570.	4.6	215
77	Atmospheric chemistry processes: general discussion. Faraday Discussions, 2017, 200, 353-378.	1.6	0
78	The air we breathe: Past, present, and future: general discussion. Faraday Discussions, 2017, 200, 501-527.	1.6	1
79	New tools for atmospheric chemistry: general discussion. Faraday Discussions, 2017, 200, 663-691.	1.6	0
80	Characterization of Light-Absorbing Oligomers from Reactions of Phenolic Compounds and Fe(III). ACS Earth and Space Chemistry, 2017, 1, 637-646.	1.2	43
81	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. Atmospheric Chemistry and Physics, 2017, 17, 2103-2162.	1.9	307
82	Effect of sea breeze circulation on aerosol mixing state and radiative properties in a desert setting. Atmospheric Chemistry and Physics, 2017, 17, 11331-11353.	1.9	17
83	Mitochondriaâ€mediated oxidative stress induced by desert dust in rat alveolar macrophages. GeoHealth, 2017, 1, 4-16.	1.9	20
84	Calibration of a multi-pass photoacoustic spectrometer cell using light-absorbing aerosols. Atmospheric Measurement Techniques, 2017, 10, 1203-1213.	1.2	37
85	A new approach for retrieving the UVâ€“vis optical properties of ambient aerosols. Atmospheric Measurement Techniques, 2016, 9, 3477-3490.	1.2	33
86	Broadband cavity-enhanced absorption spectroscopy in the ultraviolet spectral region for measurements of nitrogen dioxide and formaldehyde. Atmospheric Measurement Techniques, 2016, 9, 41-52.	1.2	44
87	Enhanced Volatile Organic Compounds emissions and organic aerosol mass increase the oligomer content of atmospheric aerosols. Scientific Reports, 2016, 6, 35038.	1.6	80
88	Spatial boundaries of Aerosol Robotic Network observations over the Mediterranean basin. Geophysical Research Letters, 2016, 43, 2259-2266.	1.5	8
89	Cloud condensation nuclei activity, droplet growth kinetics, and hygroscopicity of biogenic and anthropogenic secondary organic aerosol (SOA). Atmospheric Chemistry and Physics, 2016, 16, 1105-1121.	1.9	43
90	Variation in global chemical composition of PM_{2.5}: emerging results from SPARTAN. Atmospheric Chemistry and Physics, 2016, 16, 9629-9653.	1.9	123

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91	Air-sampled Filter Analysis for Endotoxins and DNA Content. Journal of Visualized Experiments, 2016, , .	0.2	0
92	Air quality and climate change: Designing new win-win policies for Europe. Environmental Science and Policy, 2016, 65, 48-57.	2.4	60
93	ROS-generating/ARE-activating capacity of metals in roadway particulate matter deposited in urban environment. Environmental Research, 2016, 146, 252-262.	3.7	54
94	Size-Resolved Identification, Characterization, and Quantification of Primary Biological Organic Aerosol at a European Rural Site. Environmental Science & Technology, 2016, 50, 3425-3434.	4.6	57
95	Effect of Dust Storms on the Atmospheric Microbiome in the Eastern Mediterranean. Environmental Science & Technology, 2016, 50, 4194-4202.	4.6	90
96	Hygroscopic Characteristics of Alkylaminium Carboxylate Aerosols. Environmental Science & Technology, 2016, 50, 2292-2300.	4.6	18
97	Repeated exposures to roadside particulate matter extracts suppresses pulmonary defense mechanisms, resulting in lipid and protein oxidative damage. Environmental Pollution, 2016, 210, 227-237.	3.7	57
98	Impact of urban air pollution on the allergenicity of Aspergillus fumigatus conidia: Outdoor exposure study supported by laboratory experiments. Science of the Total Environment, 2016, 541, 365-371.	3.9	50
99	Effect of aerosol vertical distribution on aerosol-radiation interaction: A theoretical prospect. Heliyon, 2015, 1, e00036.	1.4	62
100	Sizeâ€dependent hygroscopicity parameter (Îº) and chemical composition of secondary organic cloud condensation nuclei. Geophysical Research Letters, 2015, 42, 10,920.	1.5	31
101	Particulate matter, air quality and climate: lessons learned and future needs. Atmospheric Chemistry and Physics, 2015, 15, 8217-8299.	1.9	641
102	Viscous organic aerosol particles in the upper troposphere: diffusivity-controlled water uptake and ice nucleation?. Atmospheric Chemistry and Physics, 2015, 15, 13599-13613.	1.9	103
103	Role of Chemistry in Earthâ€™s Climate. Chemical Reviews, 2015, 115, 3679-3681.	23.0	41
104	Infection of phytoplankton by aerosolized marine viruses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6643-6647.	3.3	79
105	Volatility of Atmospherically Relevant Alkylaminium Carboxylate Salts. Journal of Physical Chemistry A, 2015, 119, 4336-4346.	1.1	16
106	Single Exposure to near Roadway Particulate Matter Leads to Confined Inflammatory and Defense Responses: Possible Role of Metals. Environmental Science & Technology, 2015, 49, 8777-8785.	4.6	101
107	SPARTAN: a global network to evaluate and enhance satellite-based estimates of ground-level particulate matter for global health applications. Atmospheric Measurement Techniques, 2015, 8, 505-521.	1.2	71
108	Co-variability of smoke and fire in the Amazon basin. Atmospheric Environment, 2015, 109, 97-104.	1.9	29

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109	Optical Properties of Secondary Organic Aerosols and Their Changes by Chemical Processes. Chemical Reviews, 2015, 115, 4400-4439.	23.0	311
110	Physical Chemistry of Climate Metrics. Chemical Reviews, 2015, 115, 3682-3703.	23.0	28
111	A retrospective cross-sectional study of traffic-related air pollution and asthma prevalence among young adults in Israel. , 2015, , .		2
112	Decoupling atmospheric and oceanic factors affecting aerosol loading over a cluster of mesoscale North Atlantic eddies. Geophysical Research Letters, 2014, 41, 4075-4081.	1.5	13
113	Marine aerosol as a possible source for endotoxins in coastal areas. Science of the Total Environment, 2014, 499, 311-318.	3.9	36
114	Urban PM source apportionment mapping using microscopic chemical imaging. Science of the Total Environment, 2014, 488-489, 456-460.	3.9	3
115	Combining real-time PCR and next-generation DNA sequencing to provide quantitative comparisons of fungal aerosol populations. Atmospheric Environment, 2014, 84, 113-121.	1.9	114
116	Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. Physical Chemistry Chemical Physics, 2014, 16, 10629-10642.	1.3	98
117	The possible association between exposure to air pollution and the risk for congenital malformations. Environmental Research, 2014, 135, 173-180.	3.7	47
118	Low Cytotoxicity of Inorganic Nanotubes and Fullerene-Like Nanostructures in Human Bronchial Epithelial Cells: Relation to Inflammatory Gene Induction and Antioxidant Response. Environmental Science & Technology, 2014, 48, 3457-3466.	4.6	78
119	Decoupling Physical from Biological Processes to Assess the Impact of Viruses on a Mesoscale Algal Bloom. Current Biology, 2014, 24, 2041-2046.	1.8	110
120	New Directions: Fundamentals of atmospheric chemistry: Keeping a three-legged stool balanced. Atmospheric Environment, 2014, 84, 390-391.	1.9	32
121	Suppression of new particle formation from monoterpene oxidation by NO_x. Atmospheric Chemistry and Physics, 2014, 14, 2789-2804.	1.9	63
122	Optical extinction of highly porous aerosol following atmospheric freeze drying. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6768-6787.	1.2	16
123	Radiative signature of absorbing aerosol over the eastern Mediterranean basin. Atmospheric Chemistry and Physics, 2014, 14, 7213-7231.	1.9	57
124	Evolution of the complex refractive index in the UV spectral region in ageing secondary organic aerosol. Atmospheric Chemistry and Physics, 2014, 14, 5793-5806.	1.9	60
125	Changes in atmospheric <scp><scp>CO₂</scp></scp> influence the allergenicity of <scp>A</scp>spergillus fumigatus. Global Change Biology, 2013, 19, 2381-2388.	4.2	24
126	Thermochemical, Cloud Condensation Nucleation Ability, and Optical Properties of Alkyl Aminium Sulfate Aerosols. Journal of Physical Chemistry C, 2013, 117, 22412-22421.	1.5	23

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127	Close Examination of the Principle of Global Per-Capita Allocation of the Earthâ€™s Ability to Absorb Greenhouse Gas. Theoretical Inquiries in Law, 2013, 14, .	0.1	4
128	Introduction of Ron Naaman. Journal of Physical Chemistry C, 2013, 117, 22171-22171.	1.5	0
129	Formation of highly porous aerosol particles by atmospheric freeze-drying in ice clouds. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20414-20419.	3.3	67
130	Fluxes of Fine Particles Over a Semi-Arid Pine Forest: Possible Effects of a Complex Terrain. Aerosol Science and Technology, 2013, 47, 906-915.	1.5	17
131	Secondary aerosol formation from stress-induced biogenic emissions and possible climate feedbacks. Atmospheric Chemistry and Physics, 2013, 13, 8755-8770.	1.9	96
132	Editorial: Review Articles for Journal of Geophysical Research â€“ Atmospheres are Welcome. Journal of Geophysical Research D: Atmospheres, 2013, 118, vi.	1.2	0
133	Broadband measurements of aerosol extinction in the ultraviolet spectral region. Atmospheric Measurement Techniques, 2013, 6, 861-877.	1.2	105
134	Alternative pathway for atmospheric particles growth. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6840-6844.	3.3	91
135	An Approach for Faster Retrieval of Aerosolsâ€™ Complex Refractive Index Using Cavity Ring-Down Spectroscopy. Aerosol Science and Technology, 2012, 46, 1140-1150.	1.5	37
136	Absorbing aerosols at high relative humidity: linking hygroscopic growth to optical properties. Atmospheric Chemistry and Physics, 2012, 12, 5511-5521.	1.9	91
137	Annual distribution of allergenic fungal spores in atmospheric particulate matter in the Eastern Mediterranean; a comparative study between ergosterol and quantitative PCR analysis. Atmospheric Chemistry and Physics, 2012, 12, 2681-2690.	1.9	52
138	TiO₂nanoparticles induce insulin resistance in liver-derived cells both directly and via macrophage activation. Nanotoxicology, 2012, 6, 804-812.	1.6	22
139	Tribute to A. R. Ravishankara. Journal of Physical Chemistry A, 2012, 116, 5733-5734.	1.1	0
140	Role of Interfacial Water in the Heterogeneous Uptake of Glyoxal by Mixed Glycine and Ammonium Sulfate Aerosols. Journal of Physical Chemistry A, 2012, 116, 5948-5957.	1.1	55
141	Irreversible impacts of heat on the emissions of monoterpenes, sesquiterpenes, phenolic BVOC and green leaf volatiles from several tree species. Biogeosciences, 2012, 9, 5111-5123.	1.3	84
142	Changes in the optical properties of benzo[a]pyrene-coated aerosols upon heterogeneous reactions with NO2 and NO3. Physical Chemistry Chemical Physics, 2011, 13, 6484.	1.3	55
143	Sensitive Detection and Identification of DNA and RNA Using a Patterned Capillary Tube. Analytical Chemistry, 2011, 83, 9418-9423.	3.2	6
144	Simultaneous retrieval of the complex refractive indices of the core and shell of coated aerosol particles from extinction measurements using simulated annealing. Applied Optics, 2011, 50, 4393.	2.1	8

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145	Chemical, physical, and optical evolution of biomass burning aerosols: a case study. Atmospheric Chemistry and Physics, 2011, 11, 1491-1503.	1.9	122
146	The optical, physical and chemical properties of the products of glyoxal uptake on ammonium sulfate seed aerosols. Atmospheric Chemistry and Physics, 2011, 11, 9697-9707.	1.9	84
147	Ergosterol, arabitol and mannitol as tracers for biogenic aerosols in the eastern Mediterranean. Atmospheric Chemistry and Physics, 2011, 11, 829-839.	1.9	107
148	How Different Calculations of the Refractive Index Affect Estimates of the Radiative Forcing Efficiency of Ammonium Sulfate Aerosols. Journals of the Atmospheric Sciences, 2011, 68, 1845-1852.	0.6	26
149	Humidity driven nanoscale chemical separation in complex organic matter. Environmental Chemistry, 2011, 8, 450.	0.7	13
150	The chemical and microphysical properties of secondary organic aerosols from Holm Oak emissions. Atmospheric Chemistry and Physics, 2010, 10, 7253-7265.	1.9	55
151	Transport of North African dust from the BodÃ©lÃ© depression to the Amazon Basin: a case study. Atmospheric Chemistry and Physics, 2010, 10, 7533-7544.	1.9	124
152	Relationships between carbonyl sulfide (COS) and CO₂ during leaf gas exchange. New Phytologist, 2010, 186, 869-878.	3.5	110
153	Organic aerosol components observed in Northern Hemispheric datasets from Aerosol Mass Spectrometry. Atmospheric Chemistry and Physics, 2010, 10, 4625-4641.	1.9	908
154	Effect of intrinsic organic carbon on the optical properties of fresh diesel soot. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6699-6704.	3.3	116
155	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
156	Photofunctional Self-Assembled Nanostructures Formed by Perylene Diimideâ"Gold Nanoparticle Hybridsâ€. Journal of Physical Chemistry B, 2010, 114, 14389-14396.	1.2	12
157	Interaction of internally mixed aerosols with light. Physical Chemistry Chemical Physics, 2010, 12, 21-31.	1.3	62
158	Measuring atmospheric composition change. Atmospheric Environment, 2009, 43, 5351-5414.	1.9	160
159	Atmospheric composition change â€" global and regional air quality. Atmospheric Environment, 2009, 43, 5268-5350.	1.9	714
160	Complex Refractive Indices of Aerosols Retrieved by Continuous Wave-Cavity Ring Down Aerosol Spectrometer. Analytical Chemistry, 2009, 81, 1762-1769.	3.2	86
161	Hydration-Influenced Sorption of Organic Compounds by Model and Atmospheric Humic-Like Substances (HULIS). Environmental Science & Technology, 2009, 43, 1811-1817.	4.6	9
162	Effective broadband refractive index retrieval by a white light optical particle counter. Physical Chemistry Chemical Physics, 2009, 11, 7943.	1.3	28

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163	Validation of urban NO₂ concentrations and their diurnal and seasonal variations observed from the SCIAMACHY and OMI sensors using in situ surface measurements in Israeli cities. Atmospheric Chemistry and Physics, 2009, 9, 3867-3879.	1.9	205
164	The formation, properties and impact of secondary organic aerosol: current and emerging issues. Atmospheric Chemistry and Physics, 2009, 9, 5155-5236.	1.9	3,486
165	Photochemical production of aerosols from real plant emissions. Atmospheric Chemistry and Physics, 2009, 9, 4387-4406.	1.9	133
166	The complex refractive index of atmospheric and model humic-like substances (HULIS) retrieved by a cavity ring down aerosol spectrometer (CRD-AS). Faraday Discussions, 2008, 137, 279-295.	1.6	255
167	Estimation of transboundary transport of pollution aerosols by remote sensing in the eastern Mediterranean. Journal of Geophysical Research, 2008, 113, .	3.3	26
168	Enrichment of surfaceâ€active compounds in coalescing cloud drops. Geophysical Research Letters, 2008, 35, .	1.5	16
169	Atmospheric HULIS enhance pollutant degradation by promoting the dark Fenton reaction. Geophysical Research Letters, 2008, 35, .	1.5	34
170	Aerosol Inorganic Composition at a Tropical Site: Discrepancies Between Filter-Based Sampling and a Semi-Continuous Method. Aerosol Science and Technology, 2008, 42, 255-269.	1.5	10
171	CCN Activity and Hygroscopic Growth of Organic Aerosols Following Reactive Uptake of Ammonia. Environmental Science & Technology, 2008, 42, 793-799.	4.6	60
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