

Photochemical reactions in the tropospheric aqueous p

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Citation Report

#	ARTICLE	IF	CITATIONS
1	An Empirical, Quantitative Approach to Predict the Reactivity of Some Substituted Aromatic Compounds Towards Reactive Radical Species (Cl [•] , Br [•] , [•] NO ₂ , SO ₃ [•] , SO ₄ [•]) in Aqueous Solution (3 pp). Environmental Science and Pollution Research, 2006, 13, 212-214.	2.7	21
2	Effect of selected organic and inorganic snow and cloud components on the photochemical generation of nitrite by nitrate irradiation. Chemosphere, 2007, 68, 2111-2117.	4.2	22
3	Photoinduced transformation processes of 2,4-dichlorophenol and 2,6-dichlorophenol on nitrate irradiation. Chemosphere, 2007, 69, 1548-1554.	4.2	32
4	On the effect of pH in aromatic photonitration upon nitrate photolysis. Chemosphere, 2007, 66, 650-656.	4.2	29
5	On the photolysis of simple anions and neutral molecules as sources of O [•] /OH, SO _x [•] and Cl in aqueous solution. Physical Chemistry Chemical Physics, 2007, 9, 3935-3964.	1.3	170
6	Uptake and UV-Photooxidation of Gas-Phase Polyaromatic Hydrocarbons on the Surface of Atmospheric Water Films. 2. Effects of Dissolved Surfactants on Naphthalene Photooxidation. Journal of Physical Chemistry A, 2007, 111, 4289-4296.	1.1	22
7	Light absorption by soluble chemical species in Arctic and Antarctic snow. Journal of Geophysical Research, 2007, 112, .	3.3	34
8	Aqueous-phase asymmetric transfer hydrogenation of ketones ? a greener approach to chiral alcohols. Chemical Communications, 2007, , 2449.	2.2	328
9	Evidence of Health Impacts of Sulfate-and Nitrate-Containing Particles in Ambient Air. Inhalation Toxicology, 2007, 19, 419-449.	0.8	160
10	Photodegradation of Xenobiotic Compounds Relevant to Estuarine Waters. Annali Di Chimica, 2007, 97, 135-139.	0.6	12
11	A Model to Predict the Steady-State Concentration of Hydroxyl Radicals in the Surface Layer of Natural Waters. Annali Di Chimica, 2007, 97, 685-698.	0.6	14
12	Spectrophotometric Characterisation of Surface Lakewater Samples: Implications for the Quantification of Nitrate and the Properties of Dissolved Organic Matter. Annali Di Chimica, 2007, 97, 1107-1116.	0.6	30
13	Modelling photochemical reactions in atmospheric water droplets: An assessment of the importance of surface processes. Atmospheric Environment, 2007, 41, 3303-3314.	1.9	16
14	Assessing the steady-state [[•] NO ₂] in environmental samples. Environmental Science and Pollution Research, 2007, 14, 241-243.	2.7	18
15	Photochemical processes involving nitrite in surface water samples. Aquatic Sciences, 2007, 69, 71-85.	0.6	111
16	Pro-inflammatory potential of wood smoke and traffic-derived particles in a monocytic cell line. Toxicology, 2008, 247, 123-132.	2.0	83
17	Phenol transformation induced by UVA photolysis of the complex FeCl ₂ ·. Environmental Chemistry Letters, 2008, 6, 29-34.	8.3	18
18	On the photochemical oxidation of benzene and its relevance at environmental level. Rapid Communications in Mass Spectrometry, 2008, 22, 257-260.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Formation of Organobrominated Compounds in the Presence of Bromide under Simulated Atmospheric Aerosol Conditions. <i>ChemSusChem</i> , 2008, 1, 197-204.	3.6	29
20	Interactions of ozone with organic surface films in the presence of simulated sunlight: impact on wettability of aerosols. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2964.	1.3	52
21	Transformation of phenolic compounds upon UVA irradiation of anthraquinone-2-sulfonate. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 321-327.	1.6	46
22	Contribution of Carbonyl Photochemistry to Aging of Atmospheric Secondary Organic Aerosol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8337-8344.	1.1	61
23	Heterogeneous light-induced ozone processing on the organic coatings in the atmosphere. <i>Atmospheric Environment</i> , 2009, 43, 1683-1692.	1.9	38
24	Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere. <i>Atmospheric Environment</i> , 2009, 43, 2321-2327.	1.9	44
25	Health effects of residential wood smoke particles: the importance of combustion conditions and physicochemical particle properties. <i>Particle and Fibre Toxicology</i> , 2009, 6, 29.	2.8	273
26	Photochemistry of Adsorbed Nitrate on Aluminum Oxide Particle Surfaces. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7818-7825.	1.1	73
27	Bicarbonate-enhanced transformation of phenol upon irradiation of hematite, nitrate, and nitrite. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 91-100.	1.6	33
28	DRIFTS studies on the photodegradation of tannic acid as a model for HULIS in atmospheric aerosols. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7838.	1.3	32
29	Photochemistry of Secondary Organic Aerosol Formed from Oxidation of Monoterpenes. <i>ACS Symposium Series</i> , 2009, , 91-109.	0.5	1
30	Heterogeneous ozonation kinetics of 4-phenoxyphenol in the presence of photosensitizer. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1545-1554.	1.9	38
31	Seasonal variations of concentrations and optical properties of water soluble HULIS collected in urban environments. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4085-4095.	1.9	121
33	Ionic species associated with PM2.5 in the City of Guadalajara, MÃ©xico during 2007. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 281-293.	1.3	10
34	Long-term phenol, cresols and BTEX monitoring in urban air. <i>Environmental Monitoring and Assessment</i> , 2010, 164, 93-100.	1.3	18
35	Oxygenated polycyclic aromatic hydrocarbons in atmospheric particulate matter: Molecular characterization and occurrence. <i>Atmospheric Environment</i> , 2010, 44, 1831-1846.	1.9	273
36	Light-induced heterogeneous ozone processing on organic coated particles: Kinetics and condensed-phase products. <i>Atmospheric Environment</i> , 2010, 44, 3286-3294.	1.9	17
37	Evidence of the water-cage effect on the photolysis of NO ₃ [•] and FeOH ₂ ⁺ . Implications of this effect and of H ₂ O ₂ surface accumulation on photochemistry at the air-water interface of atmospheric droplets. <i>Atmospheric Environment</i> , 2010, 44, 4859-4866.	1.9	71

#	ARTICLE	IF	CITATIONS
38	An overview of possible processes able to account for the occurrence of nitro-PAHs in Antarctic particulate matter. <i>Microchemical Journal</i> , 2010, 96, 213-217.	2.3	18
39	Ultrafast photochemistry of methyl hydroperoxide on ice particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6600-6604.	3.3	19
40	Photoenhanced degradation of veratraldehyde upon the heterogeneous ozone reactions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7603.	1.3	21
41	Organic dye photocatalyzed $\hat{\pm}$ -oxyamination through irradiation with visible light. <i>Green Chemistry</i> , 2010, 12, 953.	4.6	138
42	DRIFTS studies on the photosensitized transformation of gallic acid by iron(III) chloride as a model for HULIS in atmospheric aerosols. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6507.	1.3	21
43	Phenol transformation photosensitized by quinoid compounds. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11213.	1.3	21
44	Chemical, physical, and optical evolution of biomass burning aerosols: a case study. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1491-1503.	1.9	122
46	Fighting global warming: The potential of photocatalysis against CO ₂ , CH ₄ , N ₂ O, CFCs, tropospheric O ₃ , BC and other major contributors to climate change. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2011, 12, 1-19.	5.6	177
47	Applications of optical spectroscopy and stable isotope analyses to organic aerosol source discrimination in an urban area. <i>Atmospheric Environment</i> , 2011, 45, 1960-1969.	1.9	66
48	Surface and structural characterization of multi-walled carbon nanotubes following different oxidative treatments. <i>Carbon</i> , 2011, 49, 24-36.	5.4	631
49	Quantum chemical calculations on solvation effects for selected photoreactive aromatic organic molecules of atmospheric relevance. <i>Computational and Theoretical Chemistry</i> , 2011, 965, 346-352.	1.1	4
50	Alternative pathway for atmospheric particles growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6840-6844.	3.3	91
51	Emerging Areas in Atmospheric Photochemistry. <i>Topics in Current Chemistry</i> , 2012, 339, 1-53.	4.0	18
52	A comparison of the chemical sinks of atmospheric organics in the gas and aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8205-8222.	1.9	34
53	Size, source and chemical composition as determinants of toxicity attributable to ambient particulate matter. <i>Atmospheric Environment</i> , 2012, 60, 504-526.	1.9	866
54	Water-soluble carbene complexes as catalysts for the hydrogenation of acetophenone under hydrogen pressure. <i>Journal of Organometallic Chemistry</i> , 2012, 703, 56-62.	0.8	42
55	Key role of organic carbon in the sunlight-enhanced atmospheric aging of soot by O ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21250-21255.	3.3	66
56	Ice growth from supercooled aqueous solutions of reactive oxygen species. <i>Theoretical Chemistry Accounts</i> , 2013, 132, 1.	0.5	7

#	ARTICLE	IF	CITATIONS
57	Measurement of humic-like substances in aerosols: A review. <i>Environmental Pollution</i> , 2013, 181, 301-314.	3.7	138
58	Chemical reactivity and long-range transport potential of polycyclic aromatic hydrocarbons – a review. <i>Chemical Society Reviews</i> , 2013, 42, 9333.	18.7	556
59	Cyclometalated iridium complexes for transfer hydrogenation of carbonyl groups in water. <i>Green Chemistry</i> , 2013, 15, 629.	4.6	77
60	Ultrafast photoinduced dynamics of halogenated cyclopentadienes: observation of geminate charge-transfer complexes in solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6673.	1.3	5
61	Photodegradation of nonylphenol by simulated sunlight. <i>Marine Pollution Bulletin</i> , 2013, 66, 47-52.	2.3	41
62	Inter-annual and seasonal variability in PM10 samples monitored in the city of Turin (Italy) from 2002 to 2005. <i>Microchemical Journal</i> , 2013, 107, 76-85.	2.3	19
63	Reductive degradation of oxygenated polycyclic aromatic hydrocarbons using an activated magnesium/co-solvent system. <i>Chemosphere</i> , 2013, 91, 1273-1280.	4.2	12
64	Role(s) of adsorbed water in the surface chemistry of environmental interfaces. <i>Chemical Communications</i> , 2013, 49, 3071.	2.2	192
65	Phototransformation of 4-phenoxyphenol sensitised by 4-carboxybenzophenone: Evidence of new photochemical pathways in the bulk aqueous phase and on the surface of aerosol deliquescent particles. <i>Atmospheric Environment</i> , 2013, 81, 569-578.	1.9	24
66	Photosensitised heterogeneous oxidation kinetics of biomass burning aerosol surrogates by ozone using an irradiated rectangular channel flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6507-6522.	1.9	6
67	Direct photolysis of carbonyl compounds dissolved in cloud and fog-droplets. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 9461-9477.	1.9	44
68	On the Primary Reaction Pathways in the Photochemistry of Nitro-Polycyclic Aromatic Hydrocarbons. <i>Modern Chemistry & Applications</i> , 2013, 01, .	0.2	14
69	Volatile organic compounds in Arctic snow: concentrations and implications for atmospheric processes. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2592-2603.	1.7	15
70	Indirect Photochemistry in Sunlit Surface Waters: Photoinduced Production of Reactive Transient Species. <i>Chemistry - A European Journal</i> , 2014, 20, 10590-10606.	1.7	325
71	Effects of climate change on surface-water photochemistry: a review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11770-11780.	2.7	15
72	A time-resolved study of the multiphase chemistry of excited carbonyls: Imidazole-2-carboxaldehyde and halides. <i>Comptes Rendus Chimie</i> , 2014, 17, 801-807.	0.2	31
73	Secondary Organic Aerosol Production from Aqueous Reactions of Atmospheric Phenols with an Organic Triplet Excited State. <i>Environmental Science & Technology</i> , 2014, 48, 1049-1057.	4.6	130
74	Classification of clouds sampled at the puy de Dôme (France) based on 10 yr of monitoring of their physicochemical properties. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1485-1506.	1.9	92

#	ARTICLE	IF	CITATIONS
75	A criterion for environmental assessment using Birnbaum's Saunders attribute control charts. <i>Environmetrics</i> , 2015, 26, 463-476.	0.6	50
76	Heterogeneous Photochemistry in the Atmosphere. <i>Chemical Reviews</i> , 2015, 115, 4218-4258.	23.0	497
77	Heterogeneous oxidation of nitrite anion by gas-phase ozone in an aqueous droplet levitated by laser tweezers (optical trap): is there any evidence for enhanced surface reaction?. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2734-2741.	1.3	18
78	Effect of phenolic compounds on photodegradation of anthracene and benzo[a]anthracene in media of different polarity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 309, 55-64.	2.0	10
79	Passive measurement of NO ₂ and application of GIS to generate spatially-distributed air monitoring network in urban environment. <i>Urban Climate</i> , 2015, 14, 396-413.	2.4	18
80	CHEMISTRY OF THE ATMOSPHERE Principles of Chemical Change. , 2015, , 429-436.		0
81	Study of C ₂ –C ₅ Non-methane Hydrocarbons and Their Ozone Formation Potential at Bhubaneswar, an Eastern Coastal Site in India. <i>Mapan - Journal of Metrology Society of India</i> , 2015, 30, 195-202.	1.0	8
82	Review of the bulk and surface chemistry of iron in atmospherically relevant systems containing humic-like substances. <i>RSC Advances</i> , 2015, 5, 45785-45811.	1.7	68
83	Iron(III)-induced activation of chloride from artificial sea-salt aerosol. <i>Environmental Chemistry</i> , 2015, 12, 461.	0.7	15
84	Electron Transfer and Charge Storage in Thin Films of Nanoparticles. , 2015, , 1-62.		3
85	Fenton-like oxidation of small aromatic acids from biomass burning in water and in the absence of light: Implications for atmospheric chemistry. <i>Chemosphere</i> , 2015, 119, 786-793.	4.2	17
86	Applications of Liquid Chromatographic Techniques in the Chemical Characterization of Atmospheric Aerosols. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 322-348.	0.5	7
87	2, 4-Dichloro-6-nitrophenol, a photonitration product of 2, 4-dichlorophenol, caused anti-androgenic potency in Chinese rare minnows (<i>Gobiocypris rarus</i>). <i>Environmental Pollution</i> , 2016, 216, 591-598.	3.7	24
88	Heterogeneous Photochemical Conversion of NO ₂ to HONO on the Humic Acid Surface under Simulated Sunlight. <i>Environmental Science & Technology</i> , 2016, 50, 5017-5023.	4.6	88
89	Fenton-like oxidation of small aromatic acids from biomass burning in atmospheric water and in the absence of light: Identification of intermediates and reaction pathways. <i>Chemosphere</i> , 2016, 154, 599-603.	4.2	16
90	Quantum Chemical Calculations Resolved Identification of Methylnitrocatechols in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2016, 50, 5526-5535.	4.6	47
91	Vanillic and syringic acids from biomass burning: Behaviour during Fenton-like oxidation in atmospheric aqueous phase and in the absence of light. <i>Journal of Hazardous Materials</i> , 2016, 313, 201-208.	6.5	23
92	Nitration of pollen aeroallergens by nitrate ion in conditions simulating the liquid water phase of atmospheric particles. <i>Science of the Total Environment</i> , 2016, 573, 1589-1597.	3.9	16

#	ARTICLE	IF	CITATIONS
93	Photochemical Reactions in Sunlit Surface Waters. Lecture Notes in Quantum Chemistry II, 2016, , 343-376.	0.3	5
94	Real-Time Studies of Iron Oxalate-Mediated Oxidation of Glycolaldehyde as a Model for Photochemical Aging of Aqueous Tropospheric Aerosols. Environmental Science & Technology, 2016, 50, 12241-12249.	4.6	42
95	Photoactivated Production of Secondary Organic Species from Isoprene in Aqueous Systems. Journal of Physical Chemistry A, 2016, 120, 9042-9048.	1.1	23
96	Aqueous-phase story of isoprene – A mini-review and reaction with HONO. Atmospheric Environment, 2016, 130, 163-171.	1.9	19
97	Concentrations of a triplet excited state are enhanced in illuminated ice. Environmental Sciences: Processes and Impacts, 2017, 19, 12-21.	1.7	9
98	Effects of inorganic seed aerosols on the particulate products of aged 1,3,5-trimethylbenzene secondary organic aerosol. Atmospheric Environment, 2017, 152, 490-502.	1.9	21
99	Photochemical reaction between biphenyl and N(III) in the atmospheric aqueous phase. Chemosphere, 2017, 167, 462-468.	4.2	11
100	Characterization of the ambient air content of parent polycyclic aromatic hydrocarbons in the Fort McKay region (Canada). Chemosphere, 2017, 174, 371-379.	4.2	23
101	Developmental toxicity and thyroid hormone-disrupting effects of 2,4-dichloro-6-nitrophenol in Chinese rare minnow (<i>Gobiocypris rarus</i>). Aquatic Toxicology, 2017, 185, 40-47.	1.9	26
102	The Role of Water in Organic Aerosol Multiphase Chemistry: Focus on Partitioning and Reactivity. , 2017, , 95-184.		9
103	Oxidation of Substituted Catechols at the Air–Water Interface: Production of Carboxylic Acids, Quinones, and Polyphenols. Environmental Science & Technology, 2017, 51, 4951-4959.	4.6	67
104	Photochemical reaction between triclosan and nitrous acid in the atmospheric aqueous environment. Atmospheric Environment, 2017, 157, 38-48.	1.9	14
105	Formation of coronene:water complexes: FTIR study in argon matrices and theoretical characterisation. Physical Chemistry Chemical Physics, 2017, 19, 8516-8529.	1.3	17
106	Enhanced photochemical conversion of NO ₂ to HONO on humic acids in the presence of benzophenone. Environmental Pollution, 2017, 231, 979-986.	3.7	24
107	Profiling quinones in ambient air samples collected from the Athabasca region (Canada). Chemosphere, 2017, 189, 55-66.	4.2	20
108	Micro-structural analysis of individual aerosol coarse particles during different seasons at an eastern coastal site in India. Atmospheric Pollution Research, 2017, 8, 196-207.	1.8	9
109	Occurrence and Potential Sources of Quinones Associated with PM _{2.5} in Guadalajara, Mexico. Atmosphere, 2017, 8, 140.	1.0	11
110	Photochemical transformation of dimethyl phthalate (DMP) with N(III)(H ₂ ONO ⁺ /HONO/NO ₂ [•]) in the atmospheric aqueous environment. Photochemical and Photobiological Sciences, 2018, 17, 332-341.	1.6	8

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111	Aqueous-Phase Secondary Organic Aerosol Formation Via Reactions with Organic Triplet Excited States—a Short Review. <i>Current Pollution Reports</i> , 2018, 4, 8-12.	3.1	19
112	Characterization of single particle aerosols by elastic light scattering at multiple wavelengths. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 208, 188-195.	1.1	5
113	Spectral changes induced by pH variation of aqueous extracts derived from biomass burning aerosols: Under dark and in presence of simulated sunlight irradiation. <i>Atmospheric Environment</i> , 2018, 185, 1-6.	1.9	16
114	Relationship of particulate matter and ozone with 3-nitrotyrosine in the atmosphere. <i>Environmental Pollution</i> , 2018, 236, 948-952.	3.7	12
115	Environmental Water Pollution, Endocrine Interference and Ecotoxicity of 4-tert-Octylphenol: A Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2018, 248, 81-109.	0.7	16
116	An Overview of Dynamic Heterogeneous Oxidations in the Troposphere. <i>Environments - MDPI</i> , 2018, 5, 104.	1.5	34
117	Photochemical oxidation of di-n-butyl phthalate in atmospheric hydrometeors by hydroxyl radicals from nitrous acid. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31091-31100.	2.7	8
118	Cross-Dehydrogenating Coupling of Aldehydes with Amines/R-OTBS Ethers by Visible-Light Photoredox Catalysis: Synthesis of Amides, Esters, and Ureas. <i>Organic Letters</i> , 2018, 20, 5861-5865.	2.4	59
119	Dynamic Oxidative Potential of Atmospheric Organic Aerosol under Ambient Sunlight. <i>Environmental Science & Technology</i> , 2018, 52, 7496-7504.	4.6	40
120	Direct evidence for surface long-lived superoxide radicals photo-generated in TiO ₂ and other metal oxide suspensions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18978-18985.	1.3	37
121	Photochemistry of Atmospheric Particles. , 2018, , 553-562.		3
122	A comprehensive study on the surface chemistry of particulate matter collected from Jeddah, Saudi Arabia. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 271-283.	1.4	2
123	Formation and Evolution of aqSOA from Aqueous-Phase Reactions of Phenolic Carbonyls: Comparison between Ammonium Sulfate and Ammonium Nitrate Solutions. <i>Environmental Science & Technology</i> , 2018, 52, 9215-9224.	4.6	68
124	PAHs in fine particles over Xi'an, a typical northwestern city in China: sources, distribution, and controlling factors. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1262-1272.	1.7	5
125	Effect of oxidized and fluorinated MWCNTs on mechanical, thermal and tribological properties of fluoroelastomer/carbon black/MWCNT hybrid nanocomposite. <i>Materials Research Express</i> , 2018, 5, 065318.	0.8	8
126	Hydrophobic Organic Components of Ambient Fine Particulate Matter (PM _{2.5}) Associated with Inflammatory Cellular Response. <i>Environmental Science & Technology</i> , 2019, 53, 10479-10486.	4.6	48
127	Size-resolved measurements of PM _{2.5} water-soluble elements in Iasi, north-eastern Romania: Seasonality, source apportionment and potential implications for human health. <i>Science of the Total Environment</i> , 2019, 695, 133839.	3.9	37
128	Photochemical reaction kinetics and mechanistic investigations of nitrous acid with sulfamethazine in tropospheric water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26134-26145.	2.7	7

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129	Photodegradation of Oxytetracycline in the Presence of Dissolved Organic Matter and Chloride Ions: Importance of Reactive Chlorine Species. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	8
130	Impact of photochemical ageing on Polycyclic Aromatic Hydrocarbons (PAH) and oxygenated PAH (Oxy-PAH/OH-PAH) in logwood stove emissions. <i>Science of the Total Environment</i> , 2019, 686, 382-392.	3.9	32
131	Size distribution of airborne particle-bound PAHs and o-PAHs and their implications for dry deposition. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1184-1192.	1.7	6
132	Oxygen Isotopes ($\delta^{18}\text{O}$) Trace Photochemical Hydrocarbon Oxidation at the Sea Surface. <i>Geophysical Research Letters</i> , 2019, 46, 6745-6754.	1.5	18
133	The aging behaviors of chromophoric biomass burning brown carbon during dark aqueous hydroxyl radical oxidation processes in laboratory studies. <i>Atmospheric Environment</i> , 2019, 205, 9-18.	1.9	30
134	Aqueous Reactions of Sulfate Radical-Anions with Nitrophenols in Atmospheric Context. <i>Atmosphere</i> , 2019, 10, 795.	1.0	9
135	Monitoring urban environmental pollution by bivariate control charts: New methodology and case study in Santiago, Chile. <i>Environmetrics</i> , 2019, 30, e2551.	0.6	32
136	Beyond the obvious: Environmental health implications of polar polycyclic aromatic hydrocarbons. <i>Environment International</i> , 2019, 123, 543-557.	4.8	245
137	Oxidation of benzoic acid from biomass burning in atmospheric waters. <i>Environmental Pollution</i> , 2019, 244, 693-704.	3.7	7
138	Analysis of polycyclic aromatic hydrocarbons (PAHs) and their polar derivatives in soils of an industrial heritage city of Australia. <i>Science of the Total Environment</i> , 2020, 699, 134303.	3.9	46
139	Transformation and degradation of polycyclic aromatic hydrocarbons (PAHs) in urban road surfaces: Influential factors, implications and recommendations. <i>Environmental Pollution</i> , 2020, 257, 113510.	3.7	56
140	Anthropogenic and biogenic hydrophobic VOCs detected in clouds at the puy de Dôme station using Stir Bar Sorptive Extraction: Deviation from the Henry's law prediction. <i>Atmospheric Research</i> , 2020, 237, 104844.	1.8	12
141	Identification and quantification of phenanthrene ortho-quinones in human urine and their association with lipid peroxidation. <i>Environmental Pollution</i> , 2020, 266, 115342.	3.7	6
142	Elucidating the formation pathway of photo-generated asphaltenes from light Louisiana sweet crude oil after exposure to natural sunlight in the Gulf of Mexico. <i>Organic Geochemistry</i> , 2020, 150, 104126.	0.9	12
143	Photoinduced Uptake and Oxidation of SO_2 on Beijing Urban $\text{PM}_{2.5}$. <i>Environmental Science & Technology</i> , 2020, 54, 14868-14876.	4.6	24
144	Five-Membered Heterocycles as Potential Photosensitizers in the Tropospheric Aqueous Phase: Photophysical Properties of Imidazole-2-carboxaldehyde, 2-Furaldehyde, and 2-Acetylfuran. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10029-10039.	1.1	10
145	Ionic Strength Effect Alters the Heterogeneous Ozone Oxidation of Methoxyphenols in Going from Cloud Droplets to Aerosol Deliquescent Particles. <i>Environmental Science & Technology</i> , 2020, 54, 12898-12907.	4.6	22
146	Non-linear relationships between seasonal exposure to polycyclic aromatic hydrocarbons and urinary 8-hydroxy-2'-deoxyguanosine levels among Chinese young students. <i>Chemosphere</i> , 2020, 251, 126352.	4.2	12

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147	Revisiting the $\pi\pi^*$ transition of the nitrite ion at the air/water interface: A combined experimental and theoretical study. <i>Chemical Physics Letters</i> , 2020, 751, 137516.	1.2	3
148	Molecular composition and photochemical evolution of water-soluble organic carbon (WSOC) extracted from field biomass burning aerosols using high-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6115-6128.	1.9	27
149	Light-Enhanced Heterogeneous Conversion of NO_2 to HONO on Solid Films Consisting of Fluorene and Fluorene/ Na_2SO_4 : An Impact on Urban and Indoor Atmosphere. <i>Environmental Science & Technology</i> , 2020, 54, 11079-11086.	4.6	25
150	Application of multivariate data techniques in photochemical study of polycyclic aromatic hydrocarbons (PAHs) and transformed PAH products in road dust. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110478.	2.9	12
151	Secondary organic aerosol formation from O_3 -initiated oxidation of 4-ethylguaiacol in atmospheric aqueous-phase. <i>Science of the Total Environment</i> , 2020, 723, 137953.	3.9	20
152	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosol†. <i>Environmental Pollution</i> , 2021, 268, 115906.	3.7	49
153	Ionic strength effect on the formation of organonitrate compounds through photochemical degradation of vanillin in liquid water of aerosols. <i>Atmospheric Environment</i> , 2021, 246, 118140.	1.9	20
154	Quenching of ketone triplet excited states by atmospheric halides. <i>Environmental Science Atmospheres</i> , 2021, 1, 31-44.	0.9	9
155	Ionic Strength Effect Triggers Brown Carbon Formation through Heterogeneous Ozone Processing of Ortho-Vanillin. <i>Environmental Science & Technology</i> , 2021, 55, 4553-4564.	4.6	21
156	Interparticle Delivery and Detection of Volatile Singlet Oxygen at Air/Solid Interfaces. <i>Environmental Science & Technology</i> , 2021, 55, 3559-3567.	4.6	9
157	Carbon Nanotube Purification. <i>Carbon Nanostructures</i> , 2017, , 55-73.	0.1	2
158	Nanobiohybrid Preparation. <i>Carbon Nanostructures</i> , 2017, , 105-128.	0.1	1
160	On the question of studying dust-like formations in urban ecosystems. <i>Dokuchaev Soil Bulletin</i> , 2020, , 241-269.	0.1	3
161	Diurnal Variations of Particle-bound PAHs at a Traffic Site in Xiamen, China. <i>Aerosol and Air Quality Research</i> , 2010, 10, 497-506.	0.9	18
162	Polycyclic Aromatic Hydrocarbons in the Atmosphere of Two Subtropical Cities in Southeast China: Seasonal Variation and Gas/Particle Partitioning. <i>Aerosol and Air Quality Research</i> , 2014, 14, 1232-1246.	0.9	32
163	Light-Absorbing Products Form during the Aqueous Phase Reaction of Phenolic Compounds in the Presence of Nitrate and Nitrite with UV Illumination. <i>Open Journal of Air Pollution</i> , 2012, 01, 13-21.	0.4	16
172	Electron Transfer and Charge Storage in Thin Films of Nanoparticles. , 2016, , 869-939.		0
173	Carbon Nanotube Functionalizations. <i>Carbon Nanostructures</i> , 2017, , 75-104.	0.1	0

#	ARTICLE	IF	CITATIONS
174	Aqueous secondary organic aerosol formation from the direct photosensitized oxidation of vanillin in the absence and presence of ammonium nitrate. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 273-293.	1.9	34
175	Planetary Minerals Catalyze Conversion of a Polycyclic Aromatic Hydrocarbon to a Prebiotic Quinone: Implications for Origins of Life. <i>Astrobiology</i> , 2022, 22, 197-209.	1.5	1
176	Single-particle characterization of polycyclic aromatic hydrocarbons in background air in northern Europe. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1495-1514.	1.9	12
178	Molecular Characterization of Water-Soluble Brown Carbon Chromophores in Snowpack from Northern Xinjiang, China. <i>Environmental Science & Technology</i> , 2022, 56, 4173-4186.	4.6	17
179	Water Clusters in Interaction with Corannulene in a Rare Gas Matrix: Structures, Stability and IR Spectra. <i>Photochem</i> , 2022, 2, 237-262.	1.3	4
180	Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1115-1125.	1.2	6
181	Cytotoxicity and oxidative stress induced by atmospheric mono-nitrophenols in human lung cells. <i>Environmental Pollution</i> , 2022, 301, 119010.	3.7	6
182	Impacts and Responses of Particulate Matter Pollution on Vegetation. , 2022, , 229-264.		4
183	Unveiling the pH-Dependent Yields of H_2O_2 and OH by Aqueous-Phase Ozonolysis of <i>m</i> -Cresol in the Atmosphere. <i>Environmental Science & Technology</i> , 2022, 56, 7618-7628.	4.6	1
184	Optical and chemical properties and oxidative potential of aqueous-phase products from OH and NO_3 -initiated photooxidation of eugenol. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7793-7814.	1.9	6
185	Effects of Chemical Reactions on the Oxidative Potential of Humic Acid, a Model Compound of Atmospheric Humic-like Substances. <i>Atmosphere</i> , 2022, 13, 976.	1.0	1
186	Variation of Aerosol Optical Depth Measured by Sun Photometer at a Rural Site near Beijing during the 2017–2019 Period. <i>Remote Sensing</i> , 2022, 14, 2908.	1.8	2
187	Exposure to Air Pollution from Road Traffic and Incidence of Respiratory Diseases in the City of Meknes, Morocco. <i>Pollutants</i> , 2022, 2, 306-327.	1.0	7
188	Assessing temporal correlation in environmental risk factors to design efficient area-specific COVID-19 regulations: Delhi based case study. <i>Scientific Reports</i> , 2022, 12, .	1.6	11
189	History of Carbon Nanotubes. , 2022, , 1-22.		0
190	Kinetics and Mechanisms of Aqueous-Phase Reactions of Triplet-State Imidazole-2-carboxaldehyde and 3,4-Dimethoxybenzaldehyde with $\text{I}^{\pm}, \text{I}^2$ -Unsaturated Carbonyl Compounds. <i>Journal of Physical Chemistry A</i> , 2022, 126, 8727-8740.	1.1	6
191	History of Carbon Nanotubes. , 2022, , 3-24.		0