

# Christian George

## List of Publications by Year in descending order

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279  
papers

16,481  
citations

22099

59  
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22764

112  
g-index

323  
all docs

323  
docs citations

323  
times ranked

16016  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Heterogeneous Photochemistry in the Atmosphere. <i>Chemical Reviews</i> , 2015, 115, 4218-4258.	23.0	497
3	Photosensitized reduction of nitrogen dioxide on humic acid as a source of nitrous acid. <i>Nature</i> , 2006, 440, 195-198.	13.7	469
4	An overview of current issues in the uptake of atmospheric trace gases by aerosols and clouds. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10561-10605.	1.9	352
5	Photoenhanced uptake of gaseous NO <sub>2</sub> on solid organic compounds: a photochemical source of HONO?. <i>Faraday Discussions</i> , 2005, 130, 195.	1.6	337
6	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) – integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13061-13143.	1.9	278
7	Production and decay of ClNO <sub>2</sub> from the reaction of gaseous N <sub>2</sub> O <sub>5</sub> with NaCl solution: Bulk and aerosol experiments. <i>Journal of Geophysical Research</i> , 1997, 102, 3795-3804.	3.3	275
8	Transition Metals in Atmospheric Liquid Phases: Sources, Reactivity, and Sensitive Parameters. <i>Chemical Reviews</i> , 2005, 105, 3388-3431.	23.0	267
9	Inter-comparison of source apportionment models for the estimation of wood burning aerosols during wintertime in an Alpine city (Grenoble, France). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5295-5314.	1.9	261
10	Characterization of aerosol chemical composition with aerosol mass spectrometry in Central Europe: an overview. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10453-10471.	1.9	261
11	Light changes the atmospheric reactivity of soot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6605-6609.	3.3	252
12	Oxytocin enhances the experience of attachment security. <i>Psychoneuroendocrinology</i> , 2009, 34, 1417-1422.	1.3	240
13	Light induced conversion of nitrogen dioxide into nitrous acid on submicron humic acid aerosol. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4237-4248.	1.9	234
14	Mucosal immunity and tolerance: relevance to vaccine development. <i>Immunological Reviews</i> , 1999, 170, 197-222.	2.8	224
15	Photoenhanced uptake of NO <sub>2</sub> on mineral dust: Laboratory experiments and model simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	200
16	CAPRAM 2.4 (MODAC mechanism): An extended and condensed tropospheric aqueous phase mechanism and its application. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	186
17	Atmospheric photochemistry at a fatty acid-coated air-water interface. <i>Science</i> , 2016, 353, 699-702.	6.0	133
18	Polluted dust promotes new particle formation and growth. <i>Scientific Reports</i> , 2014, 4, 6634.	1.6	121

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19	Photoinduced oxidation of sea salt halides by aromatic ketones: a source of halogenated radicals. Atmospheric Chemistry and Physics, 2009, 9, 4229-4237.	1.9	118
20	Mineral dust photochemistry induces nucleation events in the presence of SO <sub>2</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20842-20847.	3.3	113
21	Investigation of the Uptake Rate of Ozone and Methyl Hydroperoxide by Water Surfaces. Journal of Physical Chemistry A, 1997, 101, 4943-4949.	1.1	107
22	Unravelling New Processes at Interfaces: Photochemical Isoprene Production at the Sea Surface. Environmental Science & Technology, 2015, 49, 13199-13205.	4.6	104
23	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
24	Nitrogen dioxide removal and nitrous acid formation on titanium oxide surfaces – an air quality remediation process?. Physical Chemistry Chemical Physics, 2010, 12, 8991.	1.3	102
25	Heterogeneous Interconversion Reactions of BrNO <sub>2</sub> , ClNO <sub>2</sub> , Br <sub>2</sub> , and Cl <sub>2</sub> . Journal of Physical Chemistry A, 1998, 102, 1329-1337.	1.1	101
26	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
27	Multiphase Chemistry of N <sub>2</sub> O <sub>5</sub> , ClNO <sub>2</sub> , and BrNO <sub>2</sub> . Journal of Physical Chemistry A, 1998, 102, 3942-3952.	1.1	100
28	Study of the Uptake of N <sub>2</sub> O <sub>5</sub> by Water and NaCl Solutions. The Journal of Physical Chemistry, 1994, 98, 8780-8784.	2.9	98
29	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	1.4	98
30	Glyoxal Induced Atmospheric Photosensitized Chemistry Leading to Organic Aerosol Growth. Environmental Science & Technology, 2014, 48, 3218-3227.	4.6	97
31	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. Journal of the American Chemical Society, 2015, 137, 8348-8351.	6.6	97
32	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO <sub>3</sub> Radical Reactions. Environmental Science & Technology, 2020, 54, 1395-1405.	4.6	96
33	Mass transfer at the air/water interface: Mass accommodation coefficients of SO <sub>2</sub> , HNO <sub>3</sub> , NO <sub>2</sub> and NH <sub>3</sub> . Journal of Atmospheric Chemistry, 1993, 16, 1-21.	1.4	95
34	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
35	Uptake Rate Measurements of Methanesulfonic Acid and Glyoxal by Aqueous Droplets. Journal of Physical Chemistry A, 1998, 102, 593-600.	1.1	91
36	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

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37	Nitrogen dioxide multiphase chemistry: Uptake kinetics on aqueous solutions containing phenolic compounds. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2513.	1.3	89
38	Molecular characterization of atmospheric particulate organosulfates in three megacities at the middle and lower reaches of the Yangtze River. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2285-2298.	1.9	89
39	Towards a better understanding of the origins, chemical composition and aging of oxygenated organic aerosols: case study of a Mediterranean industrialized environment, Marseille. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7875-7894.	1.9	87
40	Photosensitized production of functionalized and unsaturated organic compounds at the air-sea interface. <i>Scientific Reports</i> , 2015, 5, 12741.	1.6	86
41	Photochemistry of mineral dust surface as a potential atmospheric renoxification process. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	85
42	Chemical Characteristics of Organic Aerosols in Shanghai: A Study by Ultrahigh-Performance Liquid Chromatography Coupled With Orbitrap Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,703.	1.2	82
43	Suppression and azimuthal anisotropy of prompt and nonprompt $\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2017, 77, 252.	1.4	82
44	Heterogeneous Catalysis: A Key Tool toward Sustainability. <i>ChemCatChem</i> , 2012, 4, 1897-1906.	1.8	81
45	Organic aerosol formation photo-enhanced by the formation of secondary photosensitizers in aerosols. <i>Faraday Discussions</i> , 2013, 165, 123.	1.6	80
46	Photocatalytic de-pollution in the Leopold II tunnel in Brussels: NO <sub>x</sub> abatement results. <i>Building and Environment</i> , 2015, 84, 125-133.	3.0	78
47	Photosensitized Heterogeneous Chemistry of Ozone on Organic Films. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1268-1276.	1.1	75
48	The Essential Role for Laboratory Studies in Atmospheric Chemistry. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2519-2528.	4.6	75
49	Photoenhanced Reaction of Ozone with Chlorophyll at the Seawater Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2071-2077.	1.5	73
50	Photoenhanced Uptake of NO <sub>2</sub> by Pyrene Solid Films. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9503-9508.	1.1	71
51	Colloidal Cu <sub>2</sub> x(SySe1-y) alloy nanocrystals with controllable crystal phase: synthesis, plasmonic properties, cation exchange and electrochemical lithiation. <i>Journal of Materials Chemistry</i> , 2012, 22, 13023.	6.7	70
52	Photochemistry of Atmospheric Dust: Ozone Decomposition on Illuminated Titanium Dioxide. <i>Environmental Science &amp; Technology</i> , 2009, 43, 7437-7442.	4.6	67
53	Sea-Surface Chemistry and Its Impact on the Marine Boundary Layer. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10385-10389.	4.6	66
54	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14821-14839.	1.9	66

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55	Experimental determination of HONO mass accommodation coefficients using two different techniques. <i>Journal of Atmospheric Chemistry</i> , 1994, 18, 149-169.	1.4	65
56	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3114-3120.	4.6	65
57	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11041-11048.	4.6	64
58	Photoreactivity of NO <sub>2</sub> on mineral dusts originating from different locations of the Sahara desert. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1312.	1.3	63
59	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Long-Chain Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10336-10339.	7.2	63
60	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	63
61	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	62
62	Reactive Uptake of Ozone by Chlorophyll at Aqueous Surfaces. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1138-1143.	4.6	60
63	Interfacial photochemistry at the ocean surface is a global source of organic vapors and aerosols. <i>Nature Communications</i> , 2018, 9, 2101.	5.8	60
64	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 578.	1.4	57
65	SO <sub>2</sub> Uptake on Oleic Acid: A New Formation Pathway of Organosulfur Compounds in the Atmosphere. <i>Environmental Science and Technology Letters</i> , 2016, 3, 67-72.	3.9	56
66	Photooxidation of Halides by Chlorophyll at the Air-Salt Water Interface. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8591-8595.	1.1	54
67	Humic acid in ice: Photo-enhanced conversion of nitrogen dioxide into nitrous acid. <i>Atmospheric Environment</i> , 2010, 44, 5443-5450.	1.9	54
68	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $s = 8$ TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	54
69	Evolution of organic and inorganic components of aerosol during a Saharan dust episode observed in the French Alps. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 2499-2512.	1.9	53
70	Measurement of prompt and nonprompt $J/\psi$ production in $p$ - $p$ and $p$ -Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2017, 77, 269.	1.4	53
71	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. <i>Science of the Total Environment</i> , 2017, 593-594, 462-469.	3.9	53
72	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

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73	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017, 77, 459.	1.4	52
74	Measurements of the $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross section and the $\sigma(\text{pp} \rightarrow \text{ZZ})/\sigma(\text{pp} \rightarrow \text{ZZ})$ branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018, 78, 165.	1.4	52
75	Uptake study of ClONO <sub>2</sub> and BrONO <sub>2</sub> by Halide containing droplets. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1291-1299.	1.9	51
76	Effect of Diesel Oxidation Catalysts on the Diesel Particulate Filter Regeneration Process. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10591-10597.	4.6	50
77	Photosensitized Formation of Secondary Organic Aerosols above the Air/Water Interface. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8678-8686.	4.6	50
78	Ozone Formation from Illuminated Titanium Dioxide Surfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 8234-8235.	6.6	49
79	Heterogeneous photochemistry of imidazole-2-carboxaldehyde: HO <sub>2</sub> radical formation and aerosol growth. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11823-11836.	1.9	48
80	Observation of Y(1S) pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	48
81	Oxidation of Atmospheric Humic Like Substances by Ozone: A Kinetic and Structural Analysis Approach. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5238-5244.	4.6	47
82	Construction of a photocatalytic de-polluting field site in the Leopold II tunnel in Brussels. <i>Journal of Environmental Management</i> , 2015, 155, 136-144.	3.8	47
83	Photoenhanced NO <sub>2</sub> Loss on Simulated Urban Grime. <i>ChemPhysChem</i> , 2010, 11, 3956-3961.	1.0	46
84	Fate of ClNO <sub>2</sub> over aqueous solutions containing iodide. <i>Geophysical Research Letters</i> , 1995, 22, 1505-1508.	1.5	45
85	Reactivity of selected volatile organic compounds (VOCs) toward the sulfate radical (SO <sub>4</sub> <sup>•-</sup> ). <i>International Journal of Chemical Kinetics</i> , 2001, 33, 539-547.	1.0	45
86	Particle-Phase Photosensitized Radical Production and Aerosol Aging. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7680-7688.	4.6	45
87	UV photochemistry of carboxylic acids at the air-sea boundary: A relevant source of glyoxal and other oxygenated VOC in the marine atmosphere. <i>Geophysical Research Letters</i> , 2017, 44, 1079-1087.	1.5	44
88	Kinetics of mass transfer of carbonyl fluoride, trifluoroacetyl fluoride, and trifluoroacetyl chloride at the air/water interface. <i>The Journal of Physical Chemistry</i> , 1994, 98, 10857-10862.	2.9	43
89	Increased steady state uptake of ozone on soot due to UV/Vis radiation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
90	Interfacial photochemistry of biogenic surfactants: a major source of abiotic volatile organic compounds. <i>Faraday Discussions</i> , 2017, 200, 59-74.	1.6	42

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91	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. National Science Review, 2021, 8, nwa304.	4.6	42
92	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
93	Measurement of the $\sigma(\text{t}\bar{\text{t}})$ production cross section using events in the $\text{e}\mu\text{e}\nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
94	Photocatalytic abatement results from a model street canyon. Environmental Science and Pollution Research, 2015, 22, 18185-18196.	2.7	39
95	On-road vehicle emissions of glyoxal and methylglyoxal from tunnel tests in urban Guangzhou, China. Atmospheric Environment, 2016, 127, 55-60.	1.9	38
96	Formation of Light-Absorbing Organosulfates during Evaporation of Secondary Organic Material Extracts in the Presence of Sulfuric Acid. ACS Earth and Space Chemistry, 2019, 3, 947-957.	1.2	38
97	Light-induced ozone depletion by humic acid films and submicron aerosol particles. Journal of Geophysical Research, 2009, 114, .	3.3	37
98	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
99	Fatty Acid Surfactant Photochemistry Results in New Particle Formation. Scientific Reports, 2017, 7, 12693.	1.6	37
100	Enhanced spectral analysis of C-TOF Aerosol Mass Spectrometer data: Iterative residual analysis and cumulative peak fitting. International Journal of Mass Spectrometry, 2011, 306, 1-8.	0.7	36
101	Secondary organic aerosol formation from photo-oxidation of toluene with NO <sub>x</sub> and SO <sub>2</sub> : Chamber simulation with purified air versus urban ambient air as matrix. Atmospheric Environment, 2017, 150, 67-76.	1.9	36
102	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
103	Direct Kinetic Study of the Reaction of Cl <sup>-</sup> Radical Anions with Ethanol at the Air-Water Interface. Journal of Physical Chemistry A, 2003, 107, 2497-2504.	1.1	35
104	Photoenhanced ozone loss on solid pyrene films. Physical Chemistry Chemical Physics, 2009, 11, 7876.	1.3	35
105	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
106	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
107	Heterogeneous photochemistry of gaseous NO <sub>2</sub> on solid fluoranthene films: A source of gaseous nitrous acid (HONO) in the urban environment. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 273, 23-28.	2.0	34
108	Organosulfur Compounds Formed from Heterogeneous Reaction between SO <sub>2</sub> and Particulate-Bound Unsaturated Fatty Acids in Ambient Air. Environmental Science and Technology Letters, 2019, 6, 318-322.	3.9	34

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109	Chemical transformation of bromine chloride at the air/water interface. <i>Journal of Aerosol Science</i> , 2001, 32, 893-911.	1.8	33
110	Reaction Kinetics of NO <sub>2</sub> with Resorcinol and 2,7-Naphthalenediol in the Aqueous Phase at Different pH. <i>Journal of Physical Chemistry A</i> , 2002, 106, 12045-12050.	1.1	33
111	Uptake of Hydrogen Halides by Water Droplets. <i>Journal of Physical Chemistry A</i> , 2000, 104, 72-76.	1.1	32
112	Rate constants for the OH reactions with oxygenated organic compounds in aqueous solution. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 309-326.	1.0	32
113	New Directions: Fundamentals of atmospheric chemistry: Keeping a three-legged stool balanced. <i>Atmospheric Environment</i> , 2014, 84, 390-391.	1.9	32
114	Impact of photocatalytic remediation of pollutants on urban air quality. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	32
115	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ s = 13 TeV pp collisions. <i>European Physical Journal C</i> , 2017, 77, 327.	1.4	32
116	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
117	In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4219-4235.	1.9	31
118	On-road measurements of NMVOCs and NO <sub>x</sub> : Determination of light-duty vehicles emission factors from tunnel studies in Brussels city center. <i>Atmospheric Environment</i> , 2015, 122, 799-807.	1.9	31
119	Investigation of Humic Substance Photosensitized Reactions via Carbon and Hydrogen Isotope Fractionation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 233-242.	4.6	31
120	Use of natural iron oxide as heterogeneous catalyst in photo-Fenton-like oxidation of chlorophenylurea herbicide in aqueous solution: Reaction monitoring and degradation pathways. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 317, 140-150.	2.0	31
121	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
122	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 751.	1.4	30
123	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_{\mathcal{T}}$ variable. <i>European Physical Journal C</i> , 2017, 77, 294.	1.4	29
124	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	29
125	Bed flow photoreactor experiments to assess the photocatalytic nitrogen oxides abatement under simulated atmospheric conditions. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 161-172.	10.8	29
126	Search for lepton flavour violating decays of the Higgs boson to $\tau\mu$ , and $e\tau$ , in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	29



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127	Kinetics of the tropospheric formaldehyde loss onto mineral dust and urban surfaces. <i>Atmospheric Environment</i> , 2010, 44, 5468-5475.	1.9	28
128	Kinetics and Product Formation during the Photooxidation of Butanol on Atmospheric Mineral Dust. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5191-5198.	4.6	28
129	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. <i>Nature Communications</i> , 2021, 12, 300.	5.8	28
130	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	27
131	A laser flash photolysis study of the decay of $\text{SO}_4^{\bullet-}$ and $\text{Cl}_2^{\bullet-}$ radical anions in the presence of $\text{Cl}^-$ in aqueous solutions. <i>Chemosphere</i> , 2002, 47, 385-393.	4.2	26
132	Rapid Dissolution of Soluble Uranyl Phases in Arid, Mine-Impacted Catchments near Church Rock, NM. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3951-3957.	4.6	26
133	Significant light induced ozone loss on biomass burning aerosol: Evidence from chemistry-transport modeling based on new laboratory studies. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	26
134	Photodissociation of particulate nitrate as a source of daytime tropospheric $\text{Cl}_2$ . <i>Nature Communications</i> , 2022, 13, 939.	5.8	26
135	Kinetics and mechanism of the photocatalytic degradation of acetic acid in absence or presence of $\text{O}_2$ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 339, 80-88.	2.0	25
136	Well-defined palladium-ceria interfacial electronic effects trigger CO oxidation. <i>Chemical Communications</i> , 2018, 54, 10140-10143.	2.2	25
137	Cl-Orbitrap: An Analytical Instrument To Study Atmospheric Reactive Organic Species. <i>Analytical Chemistry</i> , 2019, 91, 9419-9423.	3.2	25
138	Formation features of nitrous acid in the offshore area of the East China Sea. <i>Science of the Total Environment</i> , 2019, 682, 138-150.	3.9	25
139	Online Aerosol Chemical Characterization by Extractive Electrospray Ionization-Ultrahigh-Resolution Mass Spectrometry (EESI-Orbitrap). <i>Environmental Science &amp; Technology</i> , 2020, 54, 3871-3880.	4.6	25
140	Uptake of Nitrosyl Chloride (NOCl) by Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9359-9366.	1.1	24
141	Superoxide and Nitrous Acid Production from Nitrate Photolysis Is Enhanced by Dissolved Aliphatic Organic Matter. <i>Environmental Science and Technology Letters</i> , 2021, 8, 53-58.	3.9	24
142	Red sky at night: Long-wavelength photochemistry in the atmosphere. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5321-5326.	4.6	23
143	Heterogeneous uptake of $\text{NO}_2$ on Arizona Test Dust under UV-A irradiation: An aerosol flow tube study. <i>Aeolian Research</i> , 2014, 15, 45-51.	1.1	23
144	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23

#	ARTICLE	IF	CITATIONS
145	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23
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147	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
148	Search for $t\bar{t}\hat{A}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
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159	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	19
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165	Emerging Areas in Atmospheric Photochemistry. <i>Topics in Current Chemistry</i> , 2012, 339, 1-53.	4.0	18
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184	Measurement of the $t \bar{t} \mathbf{\overline{\mathit{t}}}$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
185	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
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226	Production of Peroxy Radicals from the Photochemical Reaction of Fatty Acids at the Air-Water Interface. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1247-1253.	1.2	9
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231	Suppression of anthropogenic secondary organic aerosol formation by isoprene. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	9
232	Multiphase Chemistry of Ozone on Fulvic Acids Solutions. <i>Environmental Science &amp; Technology</i> , 2008, 42, 9165-9170.	4.6	8
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264	Indoor heterogeneous photochemistry of molds and their contribution to HONO formation. Indoor Air, 2022, 32, .	2.0	3
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267	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
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269	Phase Transformations of Liquid Drops Containing Mineral Dust and Organic Compound (Citric Acid). Crystal Growth and Design, 2019, 19, 4619-4624.	1.4	2
270	Atmospheric Nitrous Acid Measurement in the French Landes Forest. ACS Earth and Space Chemistry, 2022, 6, 25-33.	1.2	2



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274	Atmospheric chemistry and the biosphere: general discussion. <i>Faraday Discussions</i> , 2017, 200, 195-228.	1.6	1
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276	The Atmosphere: An Incredible Playground for Physical Chemists. <i>ChemPhysChem</i> , 2010, 11, 3775-3777.	1.0	0
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