

# Christian George

## List of Publications by Citations

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283  
papers

12,690  
citations

53  
h-index

104  
g-index

323  
ext. papers

14,584  
ext. citations

6.8  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
283	The formation, properties and impact of secondary organic aerosol: current and emerging issues. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5155-5236	6.8	2861
282	Photosensitized reduction of nitrogen dioxide on humic acid as a source of nitrous acid. <i>Nature</i> , <b>2006</b> , 440, 195-8	50.4	382
281	Heterogeneous photochemistry in the atmosphere. <i>Chemical Reviews</i> , <b>2015</b> , 115, 4218-58	68.1	381
280	An overview of current issues in the uptake of atmospheric trace gases by aerosols and clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 10561-10605	6.8	296
279	Photoenhanced uptake of gaseous NO <sub>2</sub> on solid organic compounds: a photochemical source of HONO?. <i>Faraday Discussions</i> , <b>2005</b> , 130, 195-210; discussion 241-64, 519-24	3.6	279
278	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> , <b>2011</b> , 11, 13061-13143	6.8	231
277	Characterization of aerosol chemical composition with aerosol mass spectrometry in Central Europe: an overview. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 10453-10471	6.8	225
276	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> , <b>1997</b> , 102, 3795-3804		225
275	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> , <b>2010</b> , 10, 5295-5314	6.8	216
274	Transition metals in atmospheric liquid phases: sources, reactivity, and sensitive parameters. <i>Chemical Reviews</i> , <b>2005</b> , 105, 3388-431	68.1	215
273	Light changes the atmospheric reactivity of soot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 6605-9	11.5	206
272	Oxytocin enhances the experience of attachment security. <i>Psychoneuroendocrinology</i> , <b>2009</b> , 34, 1417-225		204
271	Light induced conversion of nitrogen dioxide into nitrous acid on submicron humic acid aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 4237-4248	6.8	193
270	Mucosal immunity and tolerance: relevance to vaccine development. <i>Immunological Reviews</i> , <b>1999</b> , 170, 197-222	11.3	192
269	Photoenhanced uptake of NO <sub>2</sub> on mineral dust: Laboratory experiments and model simulations. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	176
268	CAPRAM 2.4 (MODAC mechanism): An extended and condensed tropospheric aqueous phase mechanism and its application. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		152
267	Polluted dust promotes new particle formation and growth. <i>Scientific Reports</i> , <b>2014</b> , 4, 6634	4.9	104

266	Mineral dust photochemistry induces nucleation events in the presence of SO <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20842-7	11.5	101
265	Photoinduced oxidation of sea salt halides by aromatic ketones: a source of halogenated radicals. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 4229-4237	6.8	99
264	Atmospheric photochemistry at a fatty acid-coated air-water interface. <i>Science</i> , <b>2016</b> , 353, 699-702	33.3	95
263	Nitrogen dioxide removal and nitrous acid formation on titanium oxide surfaces--an air quality remediation process?. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 8991-8	3.6	91
262	Investigation of the Uptake Rate of Ozone and Methyl Hydroperoxide by Water Surfaces. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 4943-4949	2.8	91
261	Study of the Uptake of N <sub>2</sub> O <sub>5</sub> by Water and NaCl Solutions. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 8780-8784		88
260	Heterogeneous Interconversion Reactions of BrNO <sub>2</sub> , ClNO <sub>2</sub> , Br <sub>2</sub> , and Cl <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 1329-1337	2.8	86
259	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> . <i>Journal of Atmospheric Chemistry</i> , <b>1993</b> , 16, 1-21	3.2	86
258	Multiphase Chemistry of N <sub>2</sub> O <sub>5</sub> , ClNO <sub>2</sub> , and BrNO <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 3942-3952.8		85
257	Uptake Rate Measurements of Methanesulfonic Acid and Glyoxal by Aqueous Droplets. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 593-600	2.8	84
256	Glyoxal induced atmospheric photosensitized chemistry leading to organic aerosol growth. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3218-27	10.3	81
255	Alternative pathway for atmospheric particles growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6840-4	11.5	78
254	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	77
253	Nitrogen dioxide multiphase chemistry: uptake kinetics on aqueous solutions containing phenolic compounds. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 2513-8	3.6	77
252	Unravelling New Processes at Interfaces: Photochemical Isoprene Production at the Sea Surface. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13199-205	10.3	75
251	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8348-51	16.4	74
250	Searches for invisible decays of the Higgs boson in pp collisions at ( $\sqrt{s}$ ) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	74
249	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> , <b>2013</b> , 13, 7875-7894	6.8	72

248	Photochemistry of mineral dust surface as a potential atmospheric renoxification process. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	71
247	Heterogeneous Catalysis: A Key Tool toward Sustainability. <i>ChemCatChem</i> , <b>2012</b> , 4, 1897-1906	5.2	69
246	Photoenhanced Reaction of Ozone with Chlorophyll at the Seawater Surface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 2071-2077	3.8	69
245	Photosensitized production of functionalized and unsaturated organic compounds at the air-sea interface. <i>Scientific Reports</i> , <b>2015</b> , 5, 12741	4.9	66
244	Colloidal Cu <sub>2</sub> (S <sub>2</sub> Se <sub>1-x</sub> ) alloy nanocrystals with controllable crystal phase: synthesis, plasmonic properties, cation exchange and electrochemical lithiation. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13023		65
243	Photosensitized heterogeneous chemistry of ozone on organic films. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 1268-76	2.8	65
242	Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	64
241	Organic aerosol formation photo-enhanced by the formation of secondary photosensitizers in aerosols. <i>Faraday Discussions</i> , <b>2013</b> , 165, 123-34	3.6	64
240	Photocatalytic de-pollution in the Leopold II tunnel in Brussels: NO <sub>x</sub> abatement results. <i>Building and Environment</i> , <b>2015</b> , 84, 125-133	6.5	59
239	Photochemistry of atmospheric dust: ozone decomposition on illuminated titanium dioxide. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 7437-42	10.3	59
238	Photoenhanced uptake of NO <sub>2</sub> by pyrene solid films. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 9503-8	2.8	59
237	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> , <b>2016</b> , 16, 2285-2298	6.8	58
236	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 252	4.2	58
235	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO Radical Reactions. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1395-1405	10.3	56
234	The Essential Role for Laboratory Studies in Atmospheric Chemistry. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2519-2528	10.3	55
233	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 710	4.2	54
232	Sea-surface chemistry and its impact on the marine boundary layer. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10385-9	10.3	54
231	Reactive uptake of ozone by chlorophyll at aqueous surfaces. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 1138-43	10.3	53

230	Experimental determination of HONO mass accommodation coefficients using two different techniques. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 18, 149-169	3.2	52
229	Photoreactivity of NO <sub>2</sub> on mineral dusts originating from different locations of the Sahara desert. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 1312-9	3.6	51
228	Humic acid in ice: Photo-enhanced conversion of nitrogen dioxide into nitrous acid. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5443-5450	5.3	51
227	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> , <b>2017</b> , 122, 11,703-11,722	4.4	47
226	Photooxidation of halides by chlorophyll at the air-salt water interface. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 8591-5	2.8	47
225	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	46
224	Evolution of organic and inorganic components of aerosol during a Saharan dust episode observed in the French Alps. <i>Atmospheric Chemistry and Physics</i> , <b>2004</b> , 4, 2499-2512	6.8	46
223	Interactions of ozone with organic surface films in the presence of simulated sunlight: impact on wettability of aerosols. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 2964-71	3.6	45
222	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11041-11048	10.3	44
221	Effect of diesel oxidation catalysts on the diesel particulate filter regeneration process. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10591-7	10.3	43
220	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Long-Chain Alkenes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10336-9	16.4	42
219	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14821-14839	6.8	42
218	Fate of ClNO <sub>2</sub> over aqueous solutions containing iodide. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 1505-1508	4.9	42
217	Ozone formation from illuminated titanium dioxide surfaces. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8234-5	16.4	41
216	Uptake study of ClONO <sub>2</sub> and BrONO <sub>2</sub> by Halide containing droplets. <i>Atmospheric Chemistry and Physics</i> , <b>2004</b> , 4, 1291-1299	6.8	41
215	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 462-469	10.2	40
214	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> , <b>2018</b> , 2018, 1	5.4	40
213	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> , <b>2016</b> , 3, 67-72	11	40

212	Reactivity of selected volatile organic compounds (VOCs) toward the sulfate radical (SO <sub>4</sub> • <sup>-</sup> ). <i>International Journal of Chemical Kinetics</i> , <b>2001</b> , 33, 539-547	1.4	40
211	Kinetics of mass transfer of carbonyl fluoride, trifluoroacetyl fluoride, and trifluoroacetyl chloride at the air/water interface. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 10857-10862		38
210	Oxidation of atmospheric humic like substances by ozone: a kinetic and structural analysis approach. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5238-44	10.3	36
209	Photoenhanced NO <sub>2</sub> loss on simulated urban grime. <i>ChemPhysChem</i> , <b>2010</b> , 11, 3956-61	3.2	36
208	Construction of a photocatalytic de-polluting field site in the Leopold II tunnel in Brussels. <i>Journal of Environmental Management</i> , <b>2015</b> , 155, 136-44	7.9	35
207	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3114-3120	10.3	35
206	Search for third-generation scalar leptons and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	35
205	Increased steady state uptake of ozone on soot due to UV/Vis radiation. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		35
204	Interfacial photochemistry at the ocean surface is a global source of organic vapors and aerosols. <i>Nature Communications</i> , <b>2018</b> , 9, 2101	17.4	35
203	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> , <b>2017</b> , 44, 1079-1087	4.9	34
202	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	34
201	Photocatalytic abatement results from a model street canyon. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 18185-96	5.1	33
200	Direct Kinetic Study of the Reaction of Cl <sub>2</sub> • <sup>-</sup> Radical Anions with Ethanol at the Air/Water Interface. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 2497-2504	2.8	33
199	Photosensitized Formation of Secondary Organic Aerosols above the Air/Water Interface. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8678-86	10.3	32
198	Chemical transformation of bromine chloride at the air/water interface. <i>Journal of Aerosol Science</i> , <b>2001</b> , 32, 893-911	4.3	32
197	Heterogeneous photochemistry of imidazole-2-carboxaldehyde: HO• and •OH radical formation and aerosol growth. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11823-11836	6.8	31
196	Enhanced spectral analysis of C-TOF Aerosol Mass Spectrometer data: Iterative residual analysis and cumulative peak fitting. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 306, 1-8	1.9	31
195	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. <i>Atmospheric Environment</i> , <b>2017</b> , 150, 67-76	5.3	29

194	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4.2	29
193	Observation of $Y(1S)$ pair production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
192	Photoenhanced ozone loss on solid pyrene films. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 7876-84	3.6	29
191	Light-induced ozone depletion by humic acid films and submicron aerosol particles. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		29
190	Uptake of Hydrogen Halides by Water Droplets. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 72-76	2.8	29
189	Rate constants for the OH reactions with oxygenated organic compounds in aqueous solution. <i>International Journal of Chemical Kinetics</i> , <b>2009</b> , 41, 309-326	1.4	28
188	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> , <b>2002</b> , 106, 12045-12050	2.8	28
187	Heterogeneous photochemistry of gaseous NO <sub>2</sub> on solid fluoranthene films: A source of gaseous nitrous acid (HONO) in the urban environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 273, 23-28	4.7	27
186	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 269	4.2	26
185	Investigation of humic substance photosensitized reactions via carbon and hydrogen isotope fractionation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 233-42	10.3	26
184	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> , <b>2016</b> , 317, 140-150	4.7	26
183	On-road vehicle emissions of glyoxal and methylglyoxal from tunnel tests in urban Guangzhou, China. <i>Atmospheric Environment</i> , <b>2016</b> , 127, 55-60	5.3	26
182	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. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	26
181	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> , <b>2017</b> , 2017, 1	5.4	25
180	Rapid dissolution of soluble uranyl phases in arid, mine-impacted catchments near Church Rock, NM. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3951-7	10.3	25
179	Impact of photocatalytic remediation of pollutants on urban air quality. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 1	5.8	25
178	Interfacial photochemistry of biogenic surfactants: a major source of abiotic volatile organic compounds. <i>Faraday Discussions</i> , <b>2017</b> , 200, 59-74	3.6	24
177	Particle-Phase Photosensitized Radical Production and Aerosol Aging. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7680-7688	10.3	24

176	A time-resolved study of the multiphase chemistry of excited carbonyls: Imidazole-2-carboxaldehyde and halides. <i>Comptes Rendus Chimie</i> , <b>2014</b> , 17, 801-807	2.7	24
175	Kinetics of the tropospheric formaldehyde loss onto mineral dust and urban surfaces. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5468-5475	5.3	24
174	The formation, properties and impact of secondary organic aerosol: current and emerging issues		24
173	Fatty Acid Surfactant Photochemistry Results in New Particle Formation. <i>Scientific Reports</i> , <b>2017</b> , 7, 126939	4.9	23
172	Formation of Light-Absorbing Organosulfates during Evaporation of Secondary Organic Material Extracts in the Presence of Sulfuric Acid. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 947-957	3.2	23
171	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> , <b>2015</b> , 122, 799-807	5.3	23
170	New Directions: Fundamentals of atmospheric chemistry: Keeping a three-legged stool balanced. <i>Atmospheric Environment</i> , <b>2014</b> , 84, 390-391	5.3	23
169	In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4219-4235	6.8	23
168	Significant light induced ozone loss on biomass burning aerosol: Evidence from chemistry-transport modeling based on new laboratory studies. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	23
167	A laser flash photolysis study of the decay of SO <sub>4</sub> <sup>-</sup> and Cl <sub>2</sub> <sup>-</sup> radical anions in the presence of Cl <sup>-</sup> in aqueous solutions. <i>Chemosphere</i> , <b>2002</b> , 47, 385-93	8.4	23
166	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 172	4.2	22
165	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 236	4.2	21
164	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , <b>2017</b> , 77, 294	4.2	21
163	Bed flow photoreactor experiments to assess the photocatalytic nitrogen oxides abatement under simulated atmospheric conditions. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 231, 161-172	21.8	21
162	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. <i>European Physical Journal C</i> , <b>2017</b> , 77, 578	4.2	21
161	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> , <b>2017</b> , 2017, 1	5.4	21
160	Red sky at night: long-wavelength photochemistry in the atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5321-6	10.3	21
159	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> , <b>2017</b> , 2017, 1	5.4	20



158	Search for resonant and nonresonant Higgs boson pair production in the ( $\overline{b}b$ ) final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
157	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> , <b>2017</b> , 2017, 1	5.4	19
156	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
155	Search for lepton flavour violating decays of the Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
154	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
153	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
152	Uptake of Nitrosyl Chloride (NOCl) by Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 9359-9366	2.8	18
151	Organosulfur Compounds Formed from Heterogeneous Reaction between SO <sub>2</sub> and Particulate-Bound Unsaturated Fatty Acids in Ambient Air. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 318-322	11	17
150	Heterogeneous uptake of NO <sub>2</sub> on Arizona Test Dust under UV-A irradiation: An aerosol flow tube study. <i>Aeolian Research</i> , <b>2014</b> , 15, 45-51	3.9	17
149	Search for ( $\overline{t}t$ ) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	17
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40	Decrease in sulfate aerosol light backscattering by reactive uptake of isoprene epoxydiols. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5927-5935	3.6	3
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16	Contribution of Vehicle Emission and NO Surface Conversion to Nitrous Acid (HONO) in Urban Environments: Implications from Tests in a Tunnel. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15616-15624	10.3	1
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14	Production of Peroxy Radicals from the Photochemical Reaction of Fatty Acids at the Air/Water Interface. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 1247-1253	3.2	1
13	Orbitool: a software tool for analyzing online Orbitrap mass spectrometry data. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 2377-2387	4	1
12	Elucidating an Atmospheric Brown Carbon Species-Toward Supplanting Chemical Intuition with Exhaustive Enumeration and Machine Learning. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 8447-8457	10.3	1
11	Seawater Analysis by Ambient Mass Spectrometry-Based Seaomics and Implications on Secondary Organic Aerosol Formation <b>2019</b> ,		1
10	Indoor heterogeneous photochemistry of furfural drives emissions of nitrous acid. <i>Indoor Air</i> , <b>2021</b> , 31, 682-692	5.4	1
9	The Toxic Effect of Water-Soluble Particulate Pollutants from Biomass Burning on Alveolar Lung Cells. <i>Atmosphere</i> , <b>2021</b> , 12, 1023	2.7	1
8	Atmospheric Nitrous Acid Measurement in the French Landes Forest. <i>ACS Earth and Space Chemistry</i> , <b>2022</b> , 6, 25-33	3.2	1
7	Alterations in the surface properties of sea spray aerosols introduced by the presence of sterols. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 1161-1169	10.2	0
6	Naphthalene-Derived Secondary Organic Aerosols Interfacial Photosensitizing Properties. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093465	4.9	0
5	Evolution of light absorption properties during photochemical aging of straw open burning aerosols. <i>Science of the Total Environment</i> , <b>2022</b> , 838, 156431	10.2	0
4	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	
3	A commentary on the process of peer review and pathology data locking. <i>Experimental and Toxicologic Pathology</i> , <b>2011</b> , 63, 197-8		
2	The Reaction Between Malonic Acid And The Nitrate Radical As An Example For Compound Processing In Clouds. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2008</b> , 123-134	0.3	
1	Verbessert Photokatalyse die Luftqualität?. <i>Nachrichten Aus Der Chemie</i> , <b>2016</b> , 64, 613-616	0.1	