

Hamish Gordon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

4,580
citations

36
h-index

66
g-index

134
ext. papers

5,389
ext. citations

7.7
avg, IF

3.94
L-index

#	Paper	IF	Citations
101	Modeled and observed properties related to the direct aerosol radiative effect of biomass burning aerosol over the southeastern Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1-46	6.8	3
100	Synergistic HNO-HSO-NH upper tropospheric particle formation.. <i>Nature</i> , 2022 , 605, 483-489	50.4	5
99	Large contribution to secondary organic aerosol from isoprene cloud chemistry. <i>Science Advances</i> , 2021 , 7,	14.3	10
98	Impact of Urban Pollution on Organic-Mediated New-Particle Formation and Particle Number Concentration in the Amazon Rainforest. <i>Environmental Science & Technology</i> , 2021 , 55, 4357-4367	10.3	2
97	Cloud adjustments dominate the overall negative aerosol radiative effects of biomass burning aerosols in UKESM1 climate model simulations over the south-eastern Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 17-33	6.8	5
96	The Cloud Aerosol Radiation Interaction and Forcing: Year 2017 (CLARIFY-2017) measurement campaign. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1049-1084	6.8	22
95	Constraints on global aerosol number concentration, SO ₂ and condensation sink in UKESM1 using ATom measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 4979-5014	6.8	2
94	The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14275-14291	6.8	8
93	Size-dependent influence of NO on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020 , 6, eaay4945	14.3	28
92	Molecular understanding of new-particle formation from alpha-pinene between 10 °C and 25 °C 2020 ,		1
91	Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7359-7372	6.8	21
90	The significant role of biomass burning aerosols in clouds and radiation in the South-eastern Atlantic Ocean 2020 ,		1
89	CRI-HOM: A novel chemical mechanism for simulating highly oxygenated organic molecules (HOMs) in global chemistry-aerosol-climate models. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10889-10910	6.8	10
88	Development of aerosol activation in the double-moment Unified Model and evaluation with CLARIFY measurements. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10997-11024	6.8	2
87	Modeling the smoky troposphere of the southeast Atlantic: a comparison to ORACLES airborne observations from September of 2016. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11491-11526	6.8	16
86	Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11809-11821	6.8	16
85	Untangling causality in midlatitude aerosol-cloud adjustments. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4085-4103	6.8	12

84	Molecular understanding of new-particle formation from α -pinene between 0 and +25 °C. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9183-9207	6.8	32
83	High concentration of ultrafine particles in the Amazon free troposphere produced by organic new particle formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25344-25351	11.5	20
82	Molecular understanding of the suppression of new-particle formation by isoprene 2020 ,		1
81	The hemispheric contrast in cloud microphysical properties constrains aerosol forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18998-19006	11.5	20
80	Formation of Highly Oxygenated Organic Molecules from α -Pinene Ozonolysis: Chemical Characteristics, Mechanism, and Kinetic Model Development. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 873-883	3.2	23
79	Impact of El Niño/Southern Oscillation on the interannual variability of methane and tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8669-8686	6.8	20
78	New Particle Formation in the Atmosphere: From Molecular Clusters to Global Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7098-7146	4.4	95
77	Untangling causality in midlatitude aerosol-cloud adjustments 2019 ,		1
76	Enhanced growth rate of atmospheric particles from sulfuric acid 2019 ,		1
75	Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9122-9127	11.5	73
74	Large simulated radiative effects of smoke in the south-east Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15261-15289	6.8	42
73	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018 , 4, eaau5363	14.3	105
72	Causes and importance of new particle formation in the present-day and preindustrial atmospheres. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 8739-8760	4.4	119
71	Aerosols in the Pre-industrial Atmosphere. <i>Current Climate Change Reports</i> , 2017 , 3, 1-15	9	65
70	The role of ions in new particle formation in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15181-15197	6.8	32
69	Global atmospheric particle formation from CERN CLOUD measurements. <i>Science</i> , 2016 , 354, 1119-1124	33.3	207
68	Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6495-6509	6.8	51
67	Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1693-1712	6.8	35

66	Phase transition observations and discrimination of small cloud particles by light polarization in expansion chamber experiments. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3651-3664	6.8	11
65	Observation of viscosity transition in α -pinene secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4423-4438	6.8	47
64	Experimental particle formation rates spanning tropospheric sulfuric acid and ammonia abundances, ion production rates, and temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 12,377	4.4	54
63	The role of low-volatility organic compounds in initial particle growth in the atmosphere. <i>Nature</i> , 2016 , 533, 527-31	50.4	388
62	Ion-induced nucleation of pure biogenic particles. <i>Nature</i> , 2016 , 533, 521-6	50.4	377
61	Reduced anthropogenic aerosol radiative forcing caused by biogenic new particle formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12053-12058	11.5	79
60	Addendum: Observation of double charm production involving open charm in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
59	Search for CP violation in the decay $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
58	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
57	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
56	Search for CP violation in $D^0 \rightarrow \mu^+ \mu^-$ and $(D_s^+ \rightarrow K^+ \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
55	Production of J/ψ and (Υ) mesons in pp collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
54	Measurement of the $B^0 \rightarrow K^+ e^- e^+$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
53	Limits on neutral Higgs boson production in the forward region in pp collisions at (\sqrt{s})=7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	4
52	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	78
51	Measurement of CP observables in $B^0 \rightarrow DK^0$ with $D \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
50	Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at (\sqrt{s})=7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
49	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63

48	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=2.76;\text{TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	28
47	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
46	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
45	Model-independent search for CP violation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19
44	Branching fraction and CP asymmetry of the decays $B^+-K_S^0$ and $B^+-K_S^0K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
43	Measurement of the relative rate of prompt χ_0 , χ_1 and χ_2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
42	Study of D J meson decays to $D^+\pi^0$ and $D^*\pi$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
41	First observation of the decay $(B_c^+ \rightarrow \{J \text{ left/ } \{\psi \{K^+\}\} \text{ right.}\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
40	Searches for $(B_{(s)}^0 \rightarrow \{J \text{ left/ } \{\psi p\} \text{ right.}\} \overline{p})$ and $B^+ - iJ/\psi (\overline{p}) \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
39	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
38	Measurement of B meson production cross-sections in proton-proton collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
37	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
36	Measurement of / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
35	First observation of the decay $(B_s^0 \rightarrow \phi \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
34	Search for the rare decay $(K_{\text{charm}}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
33	A study of the Z production cross-section in pp collisions at $(\sqrt{s}=7,\text{TeV})$ using tau final states. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
32	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
31	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31

30	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
29	First measurement of the CP-violating phase in $B_s(0) \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
28	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \mu^+ \mu^-$ and $B^0 \rightarrow K^+ K^- \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
27	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
26	Charged particle tracking with the Timepix ASIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 661, 31-49	1.2	41
25	Measurement of charged particle multiplicities in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
24	Observation of $X(3872)$ production in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
23	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
22	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
21	Measurement of the B^0 production cross-section in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
20	Observation of double charm production involving open charm in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
19	Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
18	Measurement of the fraction of $\chi(1S)$ originating from $B(1P)$ decays in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
17	First observation of the decay $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
16	Evidence for CP violation in time-integrated $D^0 \rightarrow h^- h^+$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
15	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
14	Measurement of relative branching fractions of decays to (2) and 1 mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
13	Measurement of prompt hadron production ratios in pp collisions at ($\sqrt{s} = 0.9 \text{ TeV}$ and 7 TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23

12	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	22
11	Inclusive W and Z production in the forward region at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
10	Observation of double charm production involving open charm in pp collisions at ($\sqrt{s} = 7, \text{TeV}$) 2012 , 2012, 1		2
9	Measurement of J/ψ production in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
8	Measurement of V_0 production ratios in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
7	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
6	Modeling the smoky troposphere of the southeast Atlantic: a comparison to ORACLES airborne observations from September of 2016		5
5	Overview: The CLoud-Aerosol-Radiation Interaction and Forcing: Year-2017 (CLARIFY-2017) measurement campaign		4
4	Observation of viscosity transition in β -pinene secondary organic aerosol		4
3	Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of β -pinene		2
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1	The driving factors of new particle formation and growth in the polluted boundary layer		3