

Hamish Gordon

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

6,379
citations

53794

45
h-index

66911

78
g-index

134
all docs

134
docs citations

134
times ranked

8619
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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. | 4.9 | 22 |
| 2 | Synergistic HNO ₃ –H ₂ SO ₄ –NH ₃ upper tropospheric particle formation. <i>Nature</i> , 2022, 605, 483-489. | 27.8 | 26 |
| 3 | 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. | 4.9 | 13 |
| 4 | The CLoud–Aerosol–Radiation Interaction and Forcing: Year 2017 (CLARIFY-2017) measurement campaign. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1049-1084. | 4.9 | 57 |
| 5 | 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. | 4.9 | 16 |
| 6 | Large contribution to secondary organic aerosol from isoprene cloud chemistry. <i>Science Advances</i> , 2021, 7, . | 10.3 | 24 |
| 7 | 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. | 10.0 | 12 |
| 8 | Delhi Model with Chemistry and aerosol framework (DM^2Chem) for high-resolution fog forecasting. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 3957-3978. | 2.7 | 7 |
| 9 | The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14275-14291. | 4.9 | 38 |
| 10 | 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. | 7.1 | 51 |
| 11 | Size-dependent influence of NO _x on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945. | 10.3 | 61 |
| 12 | Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7359-7372. | 4.9 | 58 |
| 13 | 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. | 7.1 | 49 |
| 14 | 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. | 4.9 | 19 |
| 15 | 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. | 4.9 | 7 |
| 16 | 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. | 4.9 | 32 |
| 17 | Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11809-11821. | 4.9 | 49 |
| 18 | Untangling causality in midlatitude aerosol–cloud adjustments. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4085-4103. | 4.9 | 25 |

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|----|--|------|-----------|
| 19 | Molecular understanding of new-particle formation from α -pinene between \sim 50 and +25°C. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9183-9207. | 4.9 | 68 |
| 20 | 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. | 4.9 | 33 |
| 21 | New Particle Formation in the Atmosphere: From Molecular Clusters to Global Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7098-7146. | 3.3 | 185 |
| 22 | 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. | 2.7 | 52 |
| 23 | Large simulated radiative effects of smoke in the south-east Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15261-15289. | 4.9 | 61 |
| 24 | Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018, 4, eaau5363. | 10.3 | 164 |
| 25 | 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. | 7.1 | 118 |
| 26 | 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. | 3.3 | 198 |
| 27 | Aerosols in the Pre-industrial Atmosphere. <i>Current Climate Change Reports</i> , 2017, 3, 1-15. | 8.6 | 84 |
| 28 | The role of ions in new particle formation in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15181-15197. | 4.9 | 50 |
| 29 | 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. | 3.3 | 71 |
| 30 | The role of low-volatility organic compounds in initial particle growth in the atmosphere. <i>Nature</i> , 2016, 533, 527-531. | 27.8 | 540 |
| 31 | Ion-induced nucleation of pure biogenic particles. <i>Nature</i> , 2016, 533, 521-526. | 27.8 | 528 |
| 32 | 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. | 7.1 | 107 |
| 33 | Global atmospheric particle formation from CERN CLOUD measurements. <i>Science</i> , 2016, 354, 1119-1124. | 12.6 | 289 |
| 34 | Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6495-6509. | 4.9 | 71 |
| 35 | Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1693-1712. | 4.9 | 47 |
| 36 | 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. | 4.9 | 11 |

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|----|--|-----|-----------|
| 37 | Observation of viscosity transition in α -pinene secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4423-4438. | 4.9 | 55 |
| 38 | Search for CP violation in $D^{\pm} \rightarrow K^0 K^{\pm}$ and $D_s^{\pm} \rightarrow K^0 K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 13 |
| 39 | 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. | 4.7 | 34 |
| 40 | Search for CP violation in the decay $D \rightarrow K^0 K^{\pm}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 585-595. | 4.1 | 19 |
| 41 | Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 103 |
| 42 | Search for CP violation in $D \rightarrow K^+ K^-$ and $D_s^+ \rightarrow K^0 K^+$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 14 |
| 43 | 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. | 4.7 | 65 |
| 44 | Measurement of the $B^0 \rightarrow K^+ K^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 28 |
| 45 | 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. | 4.7 | 7 |
| 46 | Measurement of the fragmentation fraction f_s^d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 89 |
| 47 | Measurement of CP observables in $B^0 \rightarrow DK^+$ with $D \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 6 |
| 48 | 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. | 4.7 | 53 |
| 49 | Differential branching fraction and angular analysis of the $B \rightarrow K^+ K^-$ decay. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 72 |
| 50 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 4.7 | 30 |
| 51 | Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2421. | 3.9 | 25 |
| 52 | Measurements of the branching fractions of $B^+ \rightarrow p \bar{K}^0$ decays. <i>European Physical Journal C</i> , 2013, 73, 2462. | 3.9 | 24 |
| 53 | Model-independent search for CP violation in $D \rightarrow K^0 K^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 624-633. | 4.1 | 22 |
| 54 | Branching fraction and CP asymmetry of the decays $D \rightarrow K^0 K^{\pm}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 634-638. | 4.1 | 12 |

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|----|---|-----|-----------|
| 55 | Measurement of the relative rate of prompt $\bar{c}0$, $\bar{c}1$ and $\bar{c}2$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 36 |
| 56 | Study of D J meson decays to $D + \bar{\psi}\psi$, $D + \bar{\psi}\psi$ and $D + \bar{\psi}\psi$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 82 |
| 57 | First observation of the decay $B_c^+ \rightarrow \psi(3700)^0 \psi(3700)^0$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 41 |
| 58 | Searches for $B_{(s)}^0 \rightarrow \psi(3700)^0 \psi(3700)^0$ and $B_c^+ \rightarrow \psi(3700)^0 \psi(3700)^0$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 7 |
| 59 | Differential branching fraction and angular analysis of the decay $B_c^+ \rightarrow \psi(3700)^0 \psi(3700)^0$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 111 |
| 60 | Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 50 |
| 61 | Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1. | 3.9 | 137 |
| 62 | Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631. | 3.9 | 117 |
| 63 | First observation of the decay $B_{(s)}^0 \rightarrow \psi(3700)^0 \psi(3700)^0$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 9 |
| 64 | Search for the rare decay $K_{(S)}^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 13 |
| 65 | A study of the Z production cross-section in pp collisions at $\sqrt{s}=7$ TeV using tau final states. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 14 |
| 66 | Prompt charm production in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2013, 871, 1-20. | 2.5 | 228 |
| 67 | Measurement of the D^0 production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2013, 710, 882-889. | 4.4 | 138 |
| 68 | Precision Measurement of the B_c^+ Lifetime. Physical Review Letters, 2013, 111, 102003. | 7.8 | 19 |
| 69 | First Measurement of the B_c^+ Lifetime. Physical Review Letters, 2013, 111, 101801. | 7.8 | 101 |
| 70 | Measurement of the B_c^+ production cross-section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 22 |
| 71 | Measurement of the B_c^+ production cross-section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 22 |
| 72 | Measurement of the B_c^+ production cross-section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 22 |

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|----|---|-----|-----------|
| 73 | Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$; $\sqrt{s} = 7$; $\sqrt{s} = 7$. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 103 |
| 74 | Measurement of the isospin asymmetry in $B \rightarrow K^{*0} \pi^{\pm} \pi^{\mp}$ decays. Journal of High Energy Physics, 2012, 2012, 165 | 4.7 | 18 |
| 75 | Measurement of the fraction of $\Upsilon(1S)$ originating from $\Upsilon(1P)$ decays in pp collisions at $\sqrt{s} = 7$, TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 18 |
| 76 | First observation of the decay $B \rightarrow \pi^{\pm} \pi^{\mp} \pi^{\pm} \pi^{\mp}$. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 36 |
| 77 | Evidence for $C \rightarrow P D$ violation in Time-Integrated Rates. Physical Review Letters, 2012, 106, 111602. | 7.8 | 181 |
| 78 | Measurement of $\Upsilon(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100. | 3.9 | 83 |
| 79 | Measurement of relative branching fractions of B decays to $\Upsilon(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118. | 3.9 | 29 |
| 80 | Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV and $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 26 |
| 81 | Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 26 |
| 82 | Inclusive W and Z production in the forward region at $\sqrt{s} = 7$, TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 71 |
| 83 | Charged particle tracking with the Timepix ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, 31-49. | 1.6 | 50 |
| 84 | Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1. | 3.9 | 30 |
| 85 | Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 153 |
| 86 | Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022. | 3.9 | 58 |
| 87 | Measurement of Υ' production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025. | 3.9 | 106 |
| 88 | Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$; $\sqrt{s} = 7$; $\sqrt{s} = 7$. , 2012, 2012, 1. | | 2 |
| 89 | Search for $C \rightarrow P D$ violation in $C \rightarrow P D$ decays. Physical Review D, 2011, 84, . | 4.7 | 20 |
| 90 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1. | 3.9 | 238 |

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|----|---|-----|-----------|
| 91 | Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 18 |
| 92 | Studying the Seeds for Clouds at the CERN Research Labs. Frontiers for Young Minds, 0, 5, . | 0.8 | 0 |