# Sandy Harrison

List of Publications by Year
in descending order



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|---|---|---|---|
| 209 papers | 31,537 citations | 5126 86 h-index | 5622 168 g-index |
| 342 all docs | 342 docs citations | 342 times ranked | 29972 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modelling and prediction of wind damage in forest ecosystems of the Sudety Mountains, SW Poland. Science of the Total Environment, 2022, 815, 151972. | 3.9 | 9 |
| 2 | Ecosystem Photosynthesis in Landâ€Surface Models: A Firstâ€Principles Approach Incorporating Acclimation. Journal of Advances in Modeling Earth Systems, 2022, 14, . | 1.3 | 15 |
| 3 | The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. Earth System Science Data, 2022, 14, 1109-1124. | 3.7 | 9 |
| 4 | Leaf morphological traits as adaptations to multiple climate gradients. Journal of Ecology, 2022, 110, 1344-1355. | 1.9 | 18 |
| 5 | Accounting for atmospheric carbon dioxide variations in pollen-based reconstruction of past hydroclimates. Global and Planetary Change, 2022, 211, 103790. | 1.6 | 11 |
| 6 | Global environmental controls on wildfire burnt area, size, and intensity. Environmental Research Letters, 2022, 17, 065004. | 2.2 | 8 |
| 7 | Reconstructing burnt area during the Holocene: an Iberian case study. Climate of the Past, 2022, 18, 1189-1201. | 1.3 | 2 |
| 8 | Assessing anthropogenic influence on fire history during the Holocene in the Iberian Peninsula. Quaternary Science Reviews, 2022, 287, 107562. | 1.4 | 10 |
| 9 | A new method based on surfaceâ€sample pollen data for reconstructing palaeovegetation patterns. Journal of Biogeography, 2022, 49, 1381-1396. | 1.4 | 3 |
| 10 | The timing, duration and magnitude of the 8.2Âka event in global speleothem records. Scientific Reports, 2022, 12, . | 1.6 | 9 |
| 11 | The impact of methodological decisions on climate reconstructions using WA-PLS. Quaternary Research, 2021, 99, 341-356. | 1.0 | 7 |
| 12 | Predictability of leaf traits with climate and elevation: a case study in Gongga Mountain, China. Tree Physiology, 2021, 41, 1336-1352. | 1.4 | 19 |
| 13 | An uncertainty-focused database approach to extract spatiotemporal trends from qualitative and discontinuous lake-status histories. Quaternary Science Reviews, 2021, 258, 106870. | 1.4 | 9 |
| 14 | Mapping past human land use using archaeological data: A new classification for global land use synthesis and data harmonization. PLoS ONE, 2021, 16, e0246662. | 1.1 | 47 |
| 15 | The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. Climate of the Past, 2021, 17, 1065-1089. | 1.3 | 107 |
| 16 | A dataâ€“model approach to interpreting speleothem oxygen isotope records from monsoon regions. Climate of the Past, 2021, 17, 1119-1138. | 1.3 | 14 |
| 17 | The importance of antecedent vegetation and drought conditions as global drivers of burnt area. Biogeosciences, 2021, 18, 3861-3879. | 1.3 | 18 |
| 18 | Ecoâ€evolutionary optimality as a means to improve vegetation and landâ€surface models. New Phytologist, 2021, 231, 2125-2141. | 3.5 | 71 |

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|---|---|---|---|
| 19 | Coordination of plant hydraulic and photosynthetic traits: confronting optimality theory with field measurements. New Phytologist, 2021, 232, 1286-1296. | 3.5 | 26 |
| 20 | High-resolution marine data and transient simulations support orbital forcing of ENSO amplitude since the mid-Holocene. Quaternary Science Reviews, 2021, 268, 107125. | 1.4 | 20 |
| 21 | Modelling Human-Fire Interactions: Combining Alternative Perspectives and Approaches. Frontiers in Environmental Science, 2021, 9, . | 1.5 | 11 |
| 22 | Climate influence on the 2019 fires in Amazonia. Science of the Total Environment, 2021, 794, 148718. | 3.9 | 14 |
| 23 | Optimality-based modelling of climate impacts on global potential wheat yield. Environmental Research Letters, 2021, 16, 114013. | 2.2 | 5 |
| 24 | Understanding and modelling wildfire regimes: an ecological perspective. Environmental Research Letters, 2021, 16, 125008. | 2.2 | 34 |
| 25 | Simulating streamflow in the Upper Halda Basin of southeastern Bangladesh using SWAT model. Hydrological Sciences Journal, 2020, 65, 138-151. | 1.2 | 25 |
| 26 | TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188. | 4.2 | 1,038 |
| 27 | An improved statistical approach for reconstructing past climates from biotic assemblages. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200346. | 1.0 | 8 |
| 28 | The climatic space of European pollen taxa. Ecology, 2020, 101, e03055. | 1.5 | 5 |
| 29 | Organizing principles for vegetation dynamics. Nature Plants, 2020, 6, 444-453. | 4.7 | 95 |
| 30 | Global ecosystems and fire: Multiâ€model assessment of fireâ€induced treeâ€cover and carbon storage reduction. Global Change Biology, 2020, 26, 5027-5041. | 4.2 | 55 |
| 31 | P-model v1.0: an optimality-based light use efficiency model for simulating ecosystem gross primary production. Geoscientific Model Development, 2020, 13, 1545-1581. | 1.3 | 86 |
| 32 | A new multivariable benchmark for Last Glacial Maximum climate simulations. Climate of the Past, 2020, 16, 699-712. | 1.3 | 17 |
| 33 | Development and testing scenarios for implementing land use and land cover changes during the Holocene in Earth system model experiments. Geoscientific Model Development, 2020, 13, 805-824. | 1.3 | 36 |
| 34 | Extending a first-principles primary production model to predict wheat yields. Agricultural and Forest Meteorology, 2020, 287, 107932. | 1.9 | 17 |
| 35 | A Method for Generating Coherent Spatially Explicit Maps of Seasonal Paleoclimates From Siteâ€Based Reconstructions. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001630. | 1.3 | 3 |
| 36 | Vegetation biomass change in China in the 20th century: an assessment based on a combination of multi-model simulations and field observations. Environmental Research Letters, 2020, 15, 094026. | 2.2 | 6 |

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|---|---|---|---|
| 37 | Large-scale features and evaluation of the PMIP4-CMIP6 <i>midHolocene</i> simulations. Climate of the Past, 2020, 16, 1847-1872. | 1.3 | 94 |
| 38 | SISALv2: a comprehensive speleothem isotope database with multiple ageâ€“depth models. Earth System Science Data, 2020, 12, 2579-2606. | 3.7 | 53 |
| 39 | Quantitative assessment of fire and vegetation properties in simulations with fire-enabled vegetation models from the Fire Model Intercomparison Project. Geoscientific Model Development, 2020, 13, 3299-3318. | 1.3 | 63 |
| 40 | SISAL: Bringing Added Value to Speleothem Research. Quaternary, 2019, 2, 7. | 1.0 | 17 |
| 41 | Evaluating model outputs using integrated global speleothem records of climate change since the last glacial. Climate of the Past, 2019, 15, 1557-1579. | 1.3 | 37 |
| 42 | Recent global and regional trends in burned area and their compensating environmental controls. Environmental Research Communications, 2019, 1, 051005. | 0.9 | 55 |
| 43 | Multidecadal variability in Atlas cedar growth in Northwest Africa during the last 850 years: Implications for dieback and conservation of an endangered species. Dendrochronologia, 2019, 56, 125599. | 1.0 | 7 |
| 44 | Emergent relationships with respect to burned area in global satellite observations and fire-enabled vegetation models. Biogeosciences, 2019, 16, 57-76. | 1.3 | 85 |
| 45 | Response of simulated burned area to historical changes in environmental and anthropogenic factors: a comparison of seven fire models. Biogeosciences, 2019, 16, 3883-3910. | 1.3 | 32 |
| 46 | Quantifying leafâ€trait covariation and its controls across climates and biomes. New Phytologist, 2019, 221, 155-168. | 3.5 | 60 |
| 47 | The China Plant Trait Database: toward a comprehensive regional compilation of functional traits for land plants. Ecology, 2018, 99, 500-500. | 1.5 | 67 |
| 48 | Functional trait variation related to gap dynamics in tropical moist forests: A vegetation modelling perspective. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 35, 52-64. | 1.1 | 9 |
| 49 | Allocation Mechanisms of Non-Structural Carbohydrates of Robinia pseudoacacia L. Seedlings in Response to Drought and Waterlogging. Forests, 2018, 9, 754. | 0.9 | 12 |
| 50 | Frost and leafâ€size gradients in forests: global patterns and experimental evidence. New Phytologist, 2018, 219, 565-573. | 3.5 | 26 |
| 51 | Global energetics and local physics as drivers of past, present and future monsoons. Nature Geoscience, 2018, 11, 392-400. | 5.4 | 100 |
| 52 | The PMIP4 contribution to CMIP6 â€“ Part 1: Overview and over-arching analysis plan. Geoscientific Model Development, 2018, 11, 1033-1057. | 1.3 | 164 |
| 53 | The biomass burning contribution to climateâ€“carbon-cycle feedback. Earth System Dynamics, 2018, 9, 663-677. | 2.7 | 24 |
| 54 | Pollenâ€derived biomes in the Eastern Mediterraneanâ€“Black Seaâ€“Caspianâ€Corridor. Journal of Biogeography, 2018, 45, 484-499. | 1.4 | 28 |

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|---|---|---|---|
| 55 | The SISAL database: a global resource to document oxygen and carbon isotope records from speleothems. Earth System Science Data, 2018, 10, 1687-1713. | 3.7 | 62 |
| 56 | Global mapping of potential natural vegetation: an assessment of machine learning algorithms for estimating land potential. PeerJ, 2018, 6, e5457. | 0.9 | 94 |
| 57 | Changes in biomass allocation buffer low CO2 effects on tree growth during the last glaciation. Scientific Reports, 2017, 7, 43087. | 1.6 | 1 |
| 58 | Underlying causes of Eurasian midcontinental aridity in simulations of midâ€Holocene climate. Geophysical Research Letters, 2017, 44, 9020-9028. | 1.5 | 18 |
| 59 | Biophysical homoeostasis of leaf temperature: A neglected process for vegetation and landâ€surface modelling. Global Ecology and Biogeography, 2017, 26, 998-1007. | 2.7 | 50 |
| 60 | The PMIP4 contribution to CMIP6 â€“ Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. Geoscientific Model Development, 2017, 10, 4035-4055. | 1.3 | 137 |
| 61 | The Fire Modeling Intercomparison Project (FireMIP), phase 1: experimental and analytical protocols with detailed model descriptions. Geoscientific Model Development, 2017, 10, 1175-1197. | 1.3 | 159 |
| 62 | The PMIP4 contribution to CMIP6 â€“ Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. Geoscientific Model Development, 2017, 10, 3979-4003. | 1.3 | 171 |
| 63 | The ACER pollen and charcoal database: aÂglobal resource to document vegetation and fire response to abrupt climate changes during the last glacial period. Earth System Science Data, 2017, 9, 679-695. | 3.7 | 38 |
| 64 | Role of zooplankton dynamics for Southern Ocean phytoplankton biomass and global biogeochemical cycles. Biogeosciences, 2016, 13, 4111-4133. | 1.3 | 84 |
| 65 | Climate-driven expansion of blanket bogs in Britain during the Holocene. Climate of the Past, 2016, 12, 129-136. | 1.3 | 21 |
| 66 | The status and challenge of global fire modelling. Biogeosciences, 2016, 13, 3359-3375. | 1.3 | 274 |
| 67 | Evaluation of a modern-analogue methodology for reconstructing Australian palaeoclimate from pollen. Review of Palaeobotany and Palynology, 2016, 226, 65-77. | 0.8 | 22 |
| 68 | What have we learnt from palaeoclimate simulations?. Journal of Quaternary Science, 2016, 31, 363-385. | 1.1 | 51 |
| 69 | A model analysis of climate and CO 2 controls on tree growth and carbon allocation in a semi-arid woodland. Ecological Modelling, 2016, 342, 175-185. | 1.2 | 5 |
| 70 | Links between tropical Pacific seasonal, interannual and orbital variability during theÂHolocene. Nature Geoscience, 2016, 9, 168-173. | 5.4 | 105 |
| 71 | Terrestrial biosphere changes over the last 120â€¯kyr. Climate of the Past, 2016, 12, 51-73. | 1.3 | 43 |
| 72 | Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. Geoscientific Model Development, 2015, 8, 3621-3637. | 1.3 | 95 |

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| 73 | Responses of leaf traits to climatic gradients: adaptive variation versus compositional shifts. Biogeosciences, 2015, 12, 5339-5352. | 1.3 | 49 |
| 74 | Drought and resprouting plants. New Phytologist, 2015, 206, 583-589. | 3.5 | 133 |
| 75 | Evaluation of CMIP5 palaeo-simulations to improve climate projections. Nature Climate Change, 2015, 5, 735-743. | 8.1 | 198 |
| 76 | Evaluation of the realism of climate reconstruction using the Coexistence Approach with modern pollen samples from the Qinghaiâ€“Tibetan Plateau. Review of Palaeobotany and Palynology, 2015, 219, 172-182. | 0.8 | 9 |
| 77 | Energy-balance mechanisms underlying consistent large-scale temperature responses in warm and cold climates. Climate Dynamics, 2015, 44, 3111-3127. | 1.7 | 14 |
| 78 | Climate versus carbon dioxide controls on biomass burning: a model analysis of the glacialâ€“interglacial contrast. Biogeosciences, 2014, 11, 6017-6027. | 1.3 | 9 |
| 79 | Simulation of tree-ring widths with a model for primary production, carbon allocation, and growth. Biogeosciences, 2014, 11, 6711-6724. | 1.3 | 42 |
| 80 | Evaluation of modern and mid-Holocene seasonal precipitation of the Mediterranean and northern Africa in the CMIP5 simulations. Climate of the Past, 2014, 10, 551-568. | 1.3 | 61 |
| 81 | Implication of methodological uncertainties for mid-Holocene sea surface temperature reconstructions. Climate of the Past, 2014, 10, 2237-2252. | 1.3 | 23 |
| 82 | Causal relationships versus emergent patterns in the global controls of fire frequency. Biogeosciences, 2014, 11, 5087-5101. | 1.3 | 114 |
| 83 | Using palaeo-climate comparisons to constrain future projections in CMIP5. Climate of the Past, 2014, 10, 221-250. | 1.3 | 193 |
| 84 | Improved simulation of fireâ€“vegetation interactions in the Land surface Processes and eXchanges dynamic global vegetation model (LPX-Mv1). Geoscientific Model Development, 2014, 7, 2411-2433. | 1.3 | 28 |
| 85 | Enhanced Australian carbon sink despite increased wildfire during the 21st century. Environmental Research Letters, 2014, 9, 104015. | 2.2 | 24 |
| 86 | Climate model benchmarking with glacial and mid-Holocene climates. Climate Dynamics, 2014, 43, 671-688. | 1.7 | 172 |
| 87 | A new data set of soil mineralogy for dust-cycle modeling. Atmospheric Chemistry and Physics, 2014, 14, 3801-3816. | 1.9 | 166 |
| 88 | Volatile isoprenoid emissions from plastid to planet. New Phytologist, 2013, 197, 49-57. | 3.5 | 142 |
| 89 | Global biomass burning: a synthesis and review of Holocene paleofire records and their controls. Quaternary Science Reviews, 2013, 65, 5-25. | 1.4 | 297 |
| 90 | Consistent largeâ€scale temperature responses in warm and cold climates. Geophysical Research Letters, 2013, 40, 1817-1823. | 1.5 | 38 |

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|---|---|---|---|
| 91 | Precipitation scaling with temperature in warm and cold climates: An analysis of CMIP5 simulations. Geophysical Research Letters, 2013, 40, 4018-4024. | 1.5 | 51 |
| 92 | Stable isotope and modelling evidence for CO<sub>2</sub> as a driver of glacialâ€“interglacial vegetation shifts in southern Africa. Biogeosciences, 2013, 10, 2001-2010. | 1.3 | 31 |
| 93 | A comprehensive benchmarking system for evaluating global vegetation models. Biogeosciences, 2013, 10, 3313-3340. | 1.3 | 119 |
| 94 | Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. Biogeosciences, 2013, 10, 8305-8328. | 1.3 | 11 |
| 95 | Climate-related changes in peatland carbon accumulation during the last millennium. Biogeosciences, 2013, 10, 929-944. | 1.3 | 257 |
| 96 | Relationships between Human Population Density and Burned Area at Continental and Global Scales. PLoS ONE, 2013, 8, e81188. | 1.1 | 72 |
| 97 | Mid-Holocene monsoons: a multi-model analysis of the inter-hemispheric differences in the responses to orbital forcing and ocean feedbacks. Climate Dynamics, 2012, 39, 1457-1487. | 1.7 | 102 |
| 98 | Predictability of biomass burning in response to climate changes. Global Biogeochemical Cycles, 2012, 26, . | 1.9 | 201 |
| 99 | Recent and deep pasts in paleoclimate model intercomparison project. Eos, 2012, 93, 539-539. | 0.1 | 4 |
| 100 | Sensitivity of biogenic isoprene emissions to past, present, and future environmental conditions and implications for atmospheric chemistry. Journal of Geophysical Research, 2012, 117, . | 3.3 | 69 |
| 101 | Large inert carbon pool in the terrestrial biosphere during the Last Glacial Maximum. Nature Geoscience, 2012, 5, 74-79. | 5.4 | 145 |
| 102 | Records from the Past, Lessons for the Future. , 2012, , 403-436. | | 25 |
| 103 | Evaluation of climate models using palaeoclimatic data. Nature Climate Change, 2012, 2, 417-424. | 8.1 | 779 |
| 104 | Modeling fire and the terrestrial carbon balance. Global Biogeochemical Cycles, 2011, 25, n/a-n/a. | 1.9 | 152 |
| 105 | Preferential dust sources: A geomorphological classification designed for use in global dust-cycle models. Journal of Geophysical Research, 2011, 116, . | 3.3 | 125 |
| 106 | Improving assessment and modelling of climate change impacts on global terrestrial biodiversity. Trends in Ecology and Evolution, 2011, 26, 249-259. | 4.2 | 268 |
| 107 | Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under present-day climate conditions. Atmospheric Chemistry and Physics, 2011, 11, 4371-4389. | 1.9 | 121 |
| 108 | TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935. | 4.2 | 2,002 |

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| 109 | Evidence of a universal scaling relationship for leaf CO<sub>2</sub> drawdown along an aridity gradient. New Phytologist, 2011, 190, 169-180. | 3.5 | 119 |
| 110 | Global vegetation and terrestrial carbon cycle changes after the last ice age. New Phytologist, 2011, 189, 988-998. | 3.5 | 245 |
| 111 | Pollen-based continental climate reconstructions at 6 and 21Âka: a global synthesis. Climate Dynamics, 2011, 37, 775-802. | 1.7 | 536 |
| 112 | Ecophysiological and bioclimatic foundations for a global plant functional classification. Journal of Vegetation Science, 2010, 21, 300-317. | 1.1 | 178 |
| 113 | Terrestrial biogeochemical feedbacks in the climate system. Nature Geoscience, 2010, 3, 525-532. | 5.4 | 486 |
| 114 | Corrigendum to "The influence of vegetation, fire spread and fire behaviour on biomass burning and trace gas emissions: results from a process-based model" published in Biogeosciences, 7, 1991-2011, doi:10.5194/bg-7-1991-2010, 2010. Biogeosciences, 2010, 7, 2191-2191. | 1.3 | 5 |
| 115 | The influence of vegetation, fire spread and fire behaviour on biomass burning and trace gas emissions: results from a process-based model. Biogeosciences, 2010, 7, 1991-2011. | 1.3 | 364 |
| 116 | Palaeovegetation in China during the late Quaternary: Biome reconstructions based on a global scheme of plant functional types. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 289, 44-61. | 1.0 | 155 |
| 117 | Millennial-scale climate variability and vegetation changes during the Last Glacial: Concepts and terminology. Quaternary Science Reviews, 2010, 29, 2823-2827. | 1.4 | 284 |
| 118 | Pollen-based biome reconstructions for Latin America at 0, 6000 and 18 000 radiocarbon years ago. Climate of the Past, 2009, 5, 725-767. | 1.3 | 87 |
| 119 | Ecosystem effects of CO<sub>2</sub> concentration: evidence from past climates. Climate of the Past, 2009, 5, 297-307. | 1.3 | 106 |
| 120 | Wildfire responses to abrupt climate change in North America. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2519-2524. | 3.3 | 352 |
| 121 | Plant morphometric traits and climate gradients in northern China: a meta-analysis using quadrat and flora data. Annals of Botany, 2009, 104, 1217-1229. | 1.4 | 26 |
| 122 | Simulations of the impacts of dynamic vegetation on interannual and interdecadal variability of Asian summer monsoon with modern and mid-Holocene orbital forcings. Global and Planetary Change, 2009, 66, 235-252. | 1.6 | 20 |
| 123 | Pollen, plant macrofossil and charcoal records for palaeovegetation reconstruction in the Mediterranean-Black Sea Corridor since the Last Glacial Maximum. Quaternary International, 2009, 197, 12-26. | 0.7 | 25 |
| 124 | Fire in the Earth System. Science, 2009, 324, 481-484. | 6.0 | 2,330 |
| 125 | Sensitivity of direct radiative forcing by mineral dust to particle characteristics. Progress in Physical Geography, 2009, 33, 80-102. | 1.4 | 39 |
| 126 | Modeling and Data Syntheses of Past Climates: Paleoclimate Modelling Intercomparison Project Phase II Workshop; Estes Park, Colorado, 15â€“19 September 2008. Eos, 2009, 90, 93. | 0.1 | 29 |

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|---|---|---|---|
| 127 | Mineral Dust and Climate: Working Group on Dust and Climate Joint INQUA/QUEST Workshop; Villefranche-sur-Mer, France, 19â€“22 October 2008. Eos, 2009, 90, 139. | 0.1 | 0 |
| 128 | Constraining Carbon Cycle Feedback Using Paleodata: Palaeocarbon Modelling Intercomparison Project Kickoff Workshop; Totnes, United Kingdom, 26â€“28 January 2009. Eos, 2009, 90, 140. | 0.1 | 5 |
| 129 | Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. Climate Dynamics, 2008, 30, 887-907. | 1.7 | 590 |
| 130 | Evaluation of coupled oceanâ€“atmosphere simulations of the mid-Holocene using palaeovegetation data from the northern hemisphere extratropics. Climate Dynamics, 2008, 31, 871-890. | 1.7 | 41 |
| 131 | Climate and human influences on globalÂbiomass burning over the past twoÂmillennia. Nature Geoscience, 2008, 1, 697-702. | 5.4 | 686 |
| 132 | Simulations of the impact of orbital forcing and ocean on the Asian summer monsoon during the Holocene. Global and Planetary Change, 2008, 60, 505-522. | 1.6 | 19 |
| 133 | Changes of the equilibrium-line altitude since the Little Ice Age in the Nepalese Himalaya. Annals of Glaciology, 2008, 48, 93-99. | 2.8 | 32 |
| 134 | LATE QUATERNARY PALEOCLIMATE SIMULATIONS AND MODEL COMPARISONS FOR THE EAST ASIAN MONSOON. Monsoon Asia Integrated Regional Study on Global Change, 2008, , 59-74. | 0.0 | 0 |
| 135 | Using the past to constrain the future: how the palaeorecord can improve estimates of global warming. Progress in Physical Geography, 2007, 31, 481-500. | 1.4 | 60 |
| 136 | Plant Functional Types: Are We Getting Any Closer to the Holy Grail?. , 2007, , 149-164. | | 237 |
| 137 | Simulated changes in the relationship between tropical ocean temperatures and the western African monsoon during the mid-Holocene. Climate Dynamics, 2007, 28, 533-551. | 1.7 | 31 |
| 138 | Dynamic Global Vegetation Modeling: Quantifying Terrestrial Ecosystem Responses to Large-Scale Environmental Change. , 2007, , 175-192. | | 222 |
| 139 | Impact of climate variability on present and Holocene vegetation: A model-based study. Ecological Modelling, 2006, 191, 469-486. | 1.2 | 48 |
| 140 | Ecosystem dynamics based on plankton functional types for global ocean biogeochemistry models. Global Change Biology, 2005, 11, 051013014052005-???. | 4.2 | 353 |
| 141 | The Late Quaternary glaciation of Africa: A regional synthesis. Quaternary International, 2005, 138-139, 32-54. | 0.7 | 55 |
| 142 | The depression of tropical snowlines at the last glacial maximum: What can we learn from climate model experiments?. Quaternary International, 2005, 138-139, 202-219. | 0.7 | 30 |
| 143 | Second phase of paleoclimate modelling intercomparison project. Eos, 2005, 86, 264. | 0.1 | 36 |
| 144 | Role of Marine Biology in Glacial-Interglacial CO2 Cycles. Science, 2005, 308, 74-78. | 6.0 | 358 |

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|---|---|---|---|
| 145 | Pollen-based reconstructions of biome distributions for Australia, Southeast Asia and the Pacific (SEAPAC region) at 0, 6000 and 18,000 14C yr BP. Journal of Biogeography, 2004, 31, 1381-1444. | 1.4 | 140 |
| 146 | Evaluation of PMIP coupled ocean-atmosphere simulations of the Mid-Holocene. Developments in Paleoenvironmental Research, 2004, , 515-533. | 7.5 | 38 |
| 147 | Global monsoons in the mid-Holocene and oceanic feedback. Climate Dynamics, 2004, 22, 157-182. | 1.7 | 203 |
| 148 | Synergistic feedbacks between ocean and vegetation on mid- and high-latitude climates during the mid-Holocene. Climate Dynamics, 2004, 22, 223-238. | 1.7 | 117 |
| 149 | Relative importance of climate and land use in determining present and future global soil dust emission. Geophysical Research Letters, 2004, 31, n/a-n/a. | 1.5 | 325 |
| 150 | The role of natural wetlands in the global methane cycle. Eos, 2004, 85, 466-466. | 0.1 | 4 |
| 151 | Reply to comment by N. M. Mahowald et al. on â€œRelative importance of climate and land use in determining present and future global soil dust emissionâ€. Geophysical Research Letters, 2004, 31, . | 1.5 | 11 |
| 152 | Mid-Holocene climates of the Americas: a dynamical response to changed seasonality. Climate Dynamics, 2003, 20, 663-688. | 1.7 | 172 |
| 153 | The impact of sea-ice dynamics on the Arctic climate system. Climate Dynamics, 2003, 20, 741-757. | 1.7 | 47 |
| 154 | Climate and CO2 controls on global vegetation distribution at the last glacial maximum: analysis based on palaeovegetation data, biome modelling and palaeoclimate simulations. Global Change Biology, 2003, 9, 983-1004. | 4.2 | 297 |
| 155 | Controls of dust emissions by vegetation and topographic depressions: An evaluation using dust storm frequency data. Geophysical Research Letters, 2003, 30, . | 1.5 | 123 |
| 156 | Climate change and Arctic ecosystems: 1. Vegetation changes north of 55Â°N between the last glacial maximum, mid-Holocene, and present. Journal of Geophysical Research, 2003, 108, . | 3.3 | 261 |
| 157 | Climate change and Arctic ecosystems: 2. Modeling, paleodata-model comparisons, and future projections. Journal of Geophysical Research, 2003, 108, . | 3.3 | 429 |
| 158 | Confronting a burning question: The Role of fire on Earth. Eos, 2003, 84, 23. | 0.1 | 4 |
| 159 | Contributing to global change science: the ethics, obligations and opportunities of working with palaeoenvironmental databases. Norsk Geografisk Tidsskrift, 2003, 57, 1-8. | 0.3 | 6 |
| 160 | Impact of vegetation and preferential source areas on global dust aerosol: Results from a model study. Journal of Geophysical Research, 2002, 107, AAC 14-1-AAC 14-27. | 3.3 | 453 |
| 161 | Modeling the role of mineral aerosols in global climate cycles. Eos, 2002, 83, 395. | 0.1 | 3 |
| 162 | Comparison of palaeoclimate simulations enhances confidence in models. Eos, 2002, 83, 447. | 0.1 | 58 |

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| 163 | Seasonal and interannual variability of the mineral dust cycle under present and glacial climate conditions. Journal of Geophysical Research, 2002, 107, AAC 2-1. | 3.3 | 138 |
| 164 | Climate Changes During the Holocene Recorded by Lakes from Europe. , 2002, , 191-204. | | 6 |
| 165 | Holocene Palaeoenvironmental Changes in North-West Europe: Climatic Implications and the Human Dimension. , 2002, , 259-298. | | 13 |
| 166 | Modern pollen samples from alpine vegetation on the Tibetan Plateau. Global Ecology and Biogeography, 2001, 10, 503-519. | 2.7 | 138 |
| 167 | Diversity of temperate plants in east Asia. Nature, 2001, 413, 129-130. | 13.7 | 410 |
| 168 | The role of dust in climate changes today, at the last glacial maximum and in the future. Earth-Science Reviews, 2001, 54, 43-80. | 4.0 | 392 |
| 169 | DIRTMAP: the geological record of dust. Earth-Science Reviews, 2001, 54, 81-114. | 4.0 | 441 |
| 170 | Land-Ocean-Atmosphere Interactions and Monsoon Climate Change. , 2001, , 73-86. | | 12 |
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