# Mark B Bush

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 182 papers | 14,340 citations | 20817 60 h-index | 22166 113 g-index |
| 191 all docs | 191 docs citations | 191 times ranked | 11921 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evolution and the latitudinal diversity gradient: speciation, extinction and biogeography. Ecology Letters, 2007, 10, 315-331. | 6.4 | 1,361 |
| 2 | A Long Pollen Record from Lowland Amazonia: Forest and Cooling in Glacial Times. Science, 1996, 274, 85-88. | 12.6 | 719 |
| 3 | 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. | 3.8 | 590 |
| 4 | Amazonian and neotropical plant communities on glacial time-scales: The failure of the aridity and refuge hypotheses. Quaternary Science Reviews, 2000, 19, 141-169. | 3.0 | 504 |
| 5 | Conservation of Biodiversity in a Changing Climate. Conservation Biology, 2002, 16, 264-268. | 4.7 | 367 |
| 6 | Amazonian Speciation: A Necessarily Complex Model. Journal of Biogeography, 1994, 21, 5. | 3.0 | 346 |
| 7 | 48,000 Years of Climate and Forest Change in a Biodiversity Hot Spot. Science, 2004, 303, 827-829. | 12.6 | 312 |
| 8 | Past and future global transformation of terrestrial ecosystems under climate change. Science, 2018, 361, 920-923. | 12.6 | 307 |
| 9 | Upslope migration of Andean trees. Journal of Biogeography, 2011, 38, 783-791. | 3.0 | 306 |
| 10 | Tropical climates at the Last Glacial Maximum: a new synthesis of terrestrial palaeoclimate data. I. Vegetation, lake-levels and geochemistry. Climate Dynamics, 1999, 15, 823-856. | 3.8 | 300 |
| 11 | Introduction: Elevation gradients in the tropics: laboratories for ecosystem ecology and global change research. Global Change Biology, 2010, 16, 3171-3175. | 9.5 | 240 |
| 12 | Late Pleistocene Temperature Depression and Vegetation Change in Ecuadorian Amazonia. Quaternary Research, 1990, 34, 330-345. | 1.7 | 216 |
| 13 | A 14 300â€Yr Paleoecological Profile of a Lowland Tropical Lake in Panama. Ecological Monographs, 1992, 62, 251-275. | 5.4 | 214 |
| 14 | An 85-ka record of climate change in lowland Central America. Quaternary Science Reviews, 2008, 27, 1152-1165. | 3.0 | 211 |
| 15 | Responses of Amazonian ecosystems to climatic and atmospheric carbon dioxide changes since the last glacial maximum. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 499-514. | 4.0 | 206 |
| 16 | Sparse Pre-Columbian Human Habitation in Western Amazonia. Science, 2012, 336, 1429-1431. | 12.6 | 202 |
| 17 | A pollen record of a complete glacial cycle from lowland Panama. Journal of Vegetation Science, 1990, 1, 105-118. | 2.2 | 190 |
| 18 | A 6,000 year history of Amazonian maize cultivation. Nature, 1989, 340, 303-305. | 27.8 | 180 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A vegetation and fire history of Lake Titicaca since the Last Glacial Maximum. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 194, 259-279. | 2.3 | 170 |
| 20 | Distribution and ecology of parent taxa of pollen lodged within the Latin American Pollen Database. Review of Palaeobotany and Palynology, 2002, 121, 1-75. | 1.5 | 168 |
| 21 | Distributional change and conservation on the Andean flank: a palaeoecological perspective. Global Ecology and Biogeography, 2002, 11, 463-473. | 5.8 | 164 |
| 22 | On the interpretation of fossil Poaceae pollen in the lowland humid neotropics. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 177, 5-17. | 2.3 | 148 |
| 23 | Paleoenvironments and Human Occupation in Late-Glacial Panama. Quaternary Research, 1990, 33, 108-116. | 1.7 | 147 |
| 24 | Fire, climate change and biodiversity in Amazonia: a Late-Holocene perspective. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1795-1802. | 4.0 | 142 |
| 25 | Introducing a new (freeware) tool for palynology. Journal of Biogeography, 2007, 34, 377-380. | 3.0 | 138 |
| 26 | Holocene fire and occupation in Amazonia: records from two lake districts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 209-218. | 4.0 | 136 |
| 27 | Tropical Forest Disturbance: Paleoecological Records from Darien, Panama. Ecology, 1994, 75, 1761-1768. | 3.2 | 133 |
| 28 | Unprecedented recent warming of surface temperatures in the eastern tropical Pacific Ocean. Nature Geoscience, 2009, 2, 46-50. | 12.9 | 129 |
| 29 | Amazonian paleoecological histories: one hill, three watersheds. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 214, 359-393. | 2.3 | 127 |
| 30 | A test of Sporormiella representation as a predictor of megaherbivore presence and abundance. Quaternary Research, 2009, 71, 490-496. | 1.7 | 125 |
| 31 | Predicting pre-Columbian anthropogenic soils in Amazonia. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132475. | 2.6 | 125 |
| 32 | Glacial and Postglacial Pollen Records from the Ecuadorian Andes and Amazon. Quaternary Research, 1997, 48, 69-78. | 1.7 | 119 |
| 33 | Temperature depression in the lowland tropics in glacial times. Climatic Change, 1996, 32, 19-33. | 3.6 | 118 |
| 34 | On metapopulations and microrefugia: palaeoecological insights. Journal of Biogeography, 2011, 38, 419-429. | 3.0 | 117 |
| 35 | North Atlantic forcing of Amazonian precipitation during the last ice age. Nature Geoscience, 2012, 5, 817-820. | 12.9 | 116 |
| 36 | Orbital forcing signal in sediments of two Amazonianlakes. Journal of Paleolimnology, 2002, 27, 341-352. | 1.6 | 114 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A 17 000-year history of Andean climate and vegetation change from Laguna de Chochos, Peru. Journal of Quaternary Science, 2005, 20, 703-714. | 2.1 | 111 |
| 38 | A 7000-year pollen record from the Amazon lowlands, Ecuador. Plant Ecology, 1988, 76, 141-154. | 1.2 | 107 |
| 39 | Two histories of environmental change and human disturbance in eastern lowland Amazonia. Holocene, 2000, 10, 543-553. | 1.7 | 104 |
| 40 | Observations on Late Pleistocene cooling and precipitation in the lowland Neotropics. Journal of Quaternary Science, 2004, 19, 677-684. | 2.1 | 103 |
| 41 | Rapid climate change and no-analog vegetation in lowland Central America during the last 86,000 years. Quaternary Science Reviews, 2012, 38, 63-75. | 3.0 | 102 |
| 42 | An analysis of modern pollen rain on an elevational gradient in southern Peru. Journal of Tropical Ecology, 2004, 20, 113-124. | 1.1 | 101 |
| 43 | Title is missing!. Biogeochemistry, 1998, 40, 37-55. | 3.5 | 97 |
| 44 | Anthropogenic influence on Amazonian forests in preâ€history: An ecological perspective. Journal of Biogeography, 2015, 42, 2277-2288. | 3.0 | 95 |
| 45 | Amazonian exploitation revisited: ecological asymmetry and the policy pendulum. Frontiers in Ecology and the Environment, 2007, 5, 457-465. | 4.0 | 92 |
| 46 | Amazonia and the Anthropocene: What was the spatial extent and intensity of human landscape modification in the Amazon Basin at the end of prehistory?. Holocene, 2015, 25, 1588-1597. | 1.7 | 92 |
| 47 | Pollen-based biome reconstructions for Latin America at 0, 6000 and 18 000 radiocarbon years ago. Climate of the Past, 2009, 5, 725-767. | 3.4 | 87 |
| 48 | A regional study of Holocene climate change and human occupation in Peruvian Amazonia. Journal of Biogeography, 2007, 34, 1342-1356. | 3.0 | 84 |
| 49 | Holocene climate change and hydrarch succession in lowland Amazonian Ecuador. Review of Palaeobotany and Palynology, 2002, 120, 73-90. | 1.5 | 83 |
| 50 | Spatial and temporal scales of pre-Columbian disturbance associated with western Amazonian lakes. Holocene, 2012, 22, 131-141. | 1.7 | 80 |
| 51 | A 6900-year history of landscape modification by humans in lowland Amazonia. Quaternary Science Reviews, 2016, 141, 52-64. | 3.0 | 80 |
| 52 | A 24,700-yr paleolimnological history from the Peruvian Andes. Quaternary Research, 2009, 71, 71-82. | 1.7 | 76 |
| 53 | No Differences in Soil Carbon Stocks Across the Tree Line in the Peruvian Andes. Ecosystems, 2010, 13, 62-74. | 3.4 | 75 |
| 54 | Reproductive ecology and pollen representation among neotropical trees. Global Ecology and Biogeography, 2001, 10, 359-367. | 5.8 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Deriving Response Matrices from Central American Modern Pollen Rain. Quaternary Research, 2000, 54, 132-143. | 1.7 | 70 |
| 56 | A multiproxy palaeoecological record of Holocene lake sediments from the Rio TapajÃ³s, eastern Amazonia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 240, 523-535. | 2.3 | 70 |
| 57 | A late Holocene record of arid events from the Cuzco region, Peru. Journal of Quaternary Science, 2003, 18, 491-502. | 2.1 | 68 |
| 58 | Paleoecological perspectives on human adaptation in central Panama. II the Holocene. Geoarchaeology - an International Journal, 1991, 6, 227-250. | 1.5 | 66 |
| 59 | Neotropical Plant Reproductive Strategies and Fossil Pollen Representation. American Naturalist, 1995, 145, 594-609. | 2.1 | 66 |
| 60 | Vegetation and climate change on the Bolivian Altiplano between 108,000 and 18,000 yr ago. Quaternary Research, 2005, 63, 90-98. | 1.7 | 65 |
| 61 | From ice age to modern: a record of landscape change in an Andean cloud forest. Journal of Biogeography, 2010, 37, 1637-1647. | 3.0 | 65 |
| 62 | How deregulation, drought and increasing fire impact Amazonian biodiversity. Nature, 2021, 597, 516-521. | 27.8 | 65 |
| 63 | Modern pollen-rain data from South and Central America: a test of the feasibility of fine-resolution lowland tropical palynology. Holocene, 1991, 1, 162-167. | 1.7 | 63 |
| 64 | Longâ€term drivers of change in Polylepis woodland distribution in the central Andes. Journal of Vegetation Science, 2009, 20, 1041-1052. | 2.2 | 63 |
| 65 | Updated site compilation of the Latin American Pollen Database. Review of Palaeobotany and Palynology, 2015, 223, 104-115. | 1.5 | 63 |
| 66 | Holocene fires, forest stability and human occupation in southâ€western Amazonia. Journal of Biogeography, 2013, 40, 521-533. | 3.0 | 59 |
| 67 | Glacial-interglacial changes in moisture balance and the impact on vegetation in the southern hemisphere tropical Andes (Bolivia/Peru). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 259, 35-50. | 2.3 | 57 |
| 68 | A long history of cloud and forest migration from Lake Consuelo, Peru. Quaternary Research, 2010, 73, 364-373. | 1.7 | 56 |
| 69 | Impacts of climate variability and human colonization on the vegetation of the GalÃ¡pagos Islands. Ecology, 2012, 93, 1853-1866. | 3.2 | 55 |
| 70 | Pollen Dispersal and Representation in a Neotropical Rain Forest. Global Ecology and Biogeography Letters, 1998, 7, 379. | 0.6 | 51 |
| 71 | A 370,000-year record of vegetation and fire history around Lake Titicaca (Bolivia/Peru). Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 305, 201-214. | 2.3 | 51 |
| 72 | Deglaciation and Holocene climate change in the western Peruvian Andes. Quaternary Research, 2006, 66, 87-96. | 1.7 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Holocene changes of Andean alder(Alnus acuminata) in highland Ecuador and Peru. Journal of Quaternary Science, 2004, 19, 685-691. | 2.1 | 47 |
| 74 | Paleoecological perspectives on human adaptation in central Panama. I. The Pleistocene. Geoarchaeology - an International Journal, 1991, 6, 201-226. | 1.5 | 46 |
| 75 | The Last Glacial Maximum: stability and change in a western Amazonian cloud forest. Journal of Quaternary Science, 2005, 20, 693-701. | 2.1 | 45 |
| 76 | Microrefugia, Climate Change, and Conservation of Cedrus atlantica in the Rif Mountains, Morocco. Frontiers in Ecology and Evolution, 2017, 5, . | 2.2 | 45 |
| 77 | The age of the British chalk grassland. Nature, 1987, 329, 434-436. | 27.8 | 43 |
| 78 | Terrestrial biosphere changes over the last 120â€¯kyr. Climate of the Past, 2016, 12, 51-73. | 3.4 | 43 |
| 79 | Re-evaluation of Climate Change in Lowland Central America During the Last Glacial Maximum Using New Sediment Cores from Lake PetÃ©n ItzÃ¡, Guatemala. Developments in Paleoenvironmental Research, 2009, , 113-128. | 8.0 | 42 |
| 80 | Phytolith Assemblages Along a Gradient of Ancient Human Disturbance in Western Amazonia. Frontiers in Ecology and Evolution, 2015, 3, . | 2.2 | 41 |
| 81 | Ecological aspects of plant colonisation of the Krakatau Islands. Geo Journal, 1992, 28, 201. | 3.1 | 38 |
| 82 | The influence of abrupt climate change on the iceâ€age vegetation of the Central American lowlands. Journal of Biogeography, 2012, 39, 497-509. | 3.0 | 38 |
| 83 | The influence of biogeographic and ecological heterogeneity on Amazonian pollen spectra. Journal of Tropical Ecology, 2001, 17, 729-743. | 1.1 | 37 |
| 84 | Contrasting pollen histories of MIS 5e and the Holocene from Lake Titicaca (Bolivia/Peru). Journal of Quaternary Science, 2005, 20, 663-670. | 2.1 | 36 |
| 85 | Ancient Amazonian populations left lasting impacts on forest structure. Ecosphere, 2017, 8, e02035. | 2.2 | 36 |
| 86 | A 7000â€year history of changing plant trait composition in an Amazonian landscape; the role of humans and climate. Ecology Letters, 2019, 22, 925-935. | 6.4 | 36 |
| 87 | A mid-Holocene environmental change in Amazonian savannas. Journal of Biogeography, 2007, 34, 1313-1326. | 3.0 | 35 |
| 88 | Pollen dispersal and representation in a neotropical rain forest. Global Ecology and Biogeography, 1998, 7, 379-392. | 5.8 | 34 |
| 89 | Pollen-vegetation relationships along steep climatic gradients in western Amazonia. Journal of Vegetation Science, 2011, 22, 795-806. | 2.2 | 34 |
| 90 | Millennial-Scale Temperature Change Velocity in the Continental Northern Neotropics. PLoS ONE, 2013, 8, e81958. | 2.5 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Comment on â€œPersistent effects of pre-Columbian plant domestication on Amazonian forest compositionâ€• Science, 2017, 358, . | 12.6 | 34 |
| 92 | Spatiotemporal patterns of pre-Columbian people in Amazonia. Quaternary Research, 2019, 92, 53-69. | 1.7 | 34 |
| 93 | Amazonian paleoecological histories: one hill, three watersheds. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 214, 359-393. | 2.3 | 34 |
| 94 | Millennial-Scale Ecological Changes in Tropical South America Since the Last Glacial Maximum. Developments in Paleoenvironmental Research, 2009, , 283-300. | 8.0 | 33 |
| 95 | Historical fire and bamboo dynamics in western Amazonia. Journal of Biogeography, 2013, 40, 299-309. | 3.0 | 33 |
| 96 | Amazonian conservation in a changing world. Biological Conservation, 1996, 76, 219-228. | 4.1 | 32 |
| 97 | Nonlinear climate change and Andean feedbacks: an imminent turning point?. Global Change Biology, 2010, 16, 3223-3232. | 9.5 | 32 |
| 98 | Pre-Columbian fire regimes in lowland tropical rainforests of southeastern Peru. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 342-343, 73-83. | 2.3 | 32 |
| 99 | Pollen Grain Recognition Using Deep Learning. Lecture Notes in Computer Science, 2016, , 321-330. | 1.3 | 32 |
| 100 | An 11400 year paleoecological history of a British chalk grassland. Journal of Vegetation Science, 1993, 4, 47-66. | 2.2 | 31 |
| 101 | The functional extinction of Andean megafauna. Ecology, 2016, 97, 2533-2539. | 3.2 | 31 |
| 102 | Finding forest management in prehistoric Amazonia. Anthropocene, 2019, 26, 100211. | 3.3 | 30 |
| 103 | Forest development on Rakata, Panjang and Sertung: Contemporary dynamics (1979?1989). Geo Journal, 1992, 28, 185. | 3.1 | 29 |
| 104 | Sporormiella as a tool for detecting the presence of large herbivores in the Neotropics. Biota Neotropica, 2016, 16, . | 1.0 | 29 |
| 105 | Andean microrefugia: testing the Holocene to predict the Anthropocene. New Phytologist, 2016, 212, 510-522. | 7.3 | 29 |
| 106 | Tropical Pacific climate variability over the last 6000Âyears as recorded in Bainbridge Crater Lake, GalÃ¡pagos. Paleoceanography, 2017, 32, 903-922. | 3.0 | 29 |
| 107 | Widespread reforestation before European influence on Amazonia. Science, 2021, 372, 484-487. | 12.6 | 28 |
| 108 | Amazonian conservation: pushing the limits of biogeographical knowledge. Journal of Biogeography, 2007, 34, 1291-1293. | 3.0 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Fire and drought as drivers of early Holocene tree line changes in the Peruvian Andes. Journal of Quaternary Science, 2011, 26, 28-36. | 2.1 | 27 |
| 110 | Two paleoecological histories spanning the period of human settlement in southeastern Brazil. Journal of Quaternary Science, 2013, 28, 144-151. | 2.1 | 27 |
| 111 | The resilience of Amazonian forests. Nature, 2017, 541, 167-168. | 27.8 | 27 |
| 112 | Human disturbance amplifies Amazonian El NiÃ±oâ€“Southern Oscillation signal. Global Change Biology, 2017, 23, 3181-3192. | 9.5 | 27 |
| 113 | Polylepis woodland dynamics during the last 20,000Âyears. Journal of Biogeography, 2018, 45, 1019-1030. | 3.0 | 27 |
| 114 | A simple yet efficient pollen trap for use in vegetation studies. Journal of Vegetation Science, 1992, 3, 275-276. | 2.2 | 26 |
| 115 | Of orogeny, precipitation, precession and parrots. Journal of Biogeography, 2005, 32, 1301-1302. | 3.0 | 26 |
| 116 | Anthropogenic control of late-Holocene landscapes in the Cuzco region, Peru. Holocene, 2012, 22, 1361-1372. | 1.7 | 26 |
| 117 | Climate change and biogeographic connectivity across the Brazilian cerrado. Journal of Biogeography, 2020, 47, 396-407. | 3.0 | 25 |
| 118 | Climate and vegetation change in the lowlands of the Amazon Basin. , 2011, , 61-84. | | 24 |
| 119 | 2,100 years of human adaptation to climate change in the High Andes. Nature Ecology and Evolution, 2020, 4, 66-74. | 7.8 | 24 |
| 120 | Neogene precipitation, vegetation, and elevation history of the Central Andean Plateau. Science Advances, 2020, 6, eaaz4724. | 10.3 | 24 |
| 121 | Environmental determinism and neutrality in vegetation at millennial time scales. Journal of Vegetation Science, 2014, 25, 627-635. | 2.2 | 23 |
| 122 | GalÃ¡pagos History, Restoration, and a Shifted Baseline. Restoration Ecology, 2014, 22, 296-298. | 2.9 | 23 |
| 123 | Colonization and Succession on Krakatau: An Analysis of the Guild of Vining Plants. Biotropica, 1995, 27, 355. | 1.6 | 22 |
| 124 | Quantifying ecological change through discriminant analysis: a paleoecological example from the Peruvian Amazon. Journal of Vegetation Science, 2010, 21, 695. | 2.2 | 21 |
| 125 | Holocene variability of an Amazonian hyperdominant. Journal of Ecology, 2016, 104, 1370-1378. | 4.0 | 20 |
| 126 | Longâ€term ecological legacies in western Amazonia. Journal of Ecology, 2021, 109, 432-446. | 4.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | The collapse of megafaunal populations in southeastern Brazil. Quaternary Research, 2018, 89, 103-118. | 1.7 | 19 |
| 128 | Climate change and the agricultural history of a mid-elevation Andean montane forest. Holocene, 2015, 25, 1522-1532. | 1.7 | 18 |
| 129 | Vegetation responses to late Holocene climate changes in an Andean forest. Quaternary Research, 2018, 89, 60-74. | 1.7 | 18 |
| 130 | Did ciguatera prompt the late Holocene Polynesian voyages of discovery?. Journal of Biogeography, 2009, 36, 1423-1432. | 3.0 | 16 |
| 131 | Fire and climate: contrasting pressures on tropical Andean timberline species. Journal of Biogeography, 2015, 42, 938-950. | 3.0 | 16 |
| 132 | Further evidence for localized, short-term anthropogenic forest alterations across pre-Columbian Amazonia. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4118-E4119. | 7.1 | 16 |
| 133 | A 2000-year history of disturbance and recovery at a sacred site in Peruâ€™s northeastern cloud forest. Holocene, 2017, 27, 1707-1719. | 1.7 | 16 |
| 134 | Andean montane forests and climate change. , 2011, , 35-60. | | 16 |
| 135 | Vegetation and hydrology changes in Eastern Amazonia inferred from a pollen record. Anais Da Academia Brasileira De Ciencias, 2008, 80, 191-203. | 0.8 | 15 |
| 136 | Environmental controls on the distribution and diversity of lentic Chironomidae (Insecta: Diptera) across an altitudinal gradient in tropical South America. Ecology and Evolution, 2016, 6, 91-112. | 1.9 | 15 |
| 137 | The Threat of Multiâ€Year Drought in Western Amazonia. Water Resources Research, 2018, 54, 5890-5904. | 4.2 | 14 |
| 138 | Climate change in the lowlands of the Amazon Basin. , 2007, , 55-76. | | 14 |
| 139 | Early to mid-Holocene human activity exerted gradual influences on Amazonian forest vegetation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200498. | 4.0 | 14 |
| 140 | Scarce fire activity in north and north-western Amazonian forests during the last 10,000 years. Plant Ecology and Diversity, 2021, 14, 143-156. | 2.4 | 14 |
| 141 | Microrefugia and species persistence in the GalÃ¡pagos highlands: a 26,000-year paleoecological perspective. Frontiers in Genetics, 2013, 4, 269. | 2.3 | 13 |
| 142 | Millennial-scale vegetation changes in the tropical Andes using ecological grouping and ordination methods. Climate of the Past, 2016, 12, 697-711. | 3.4 | 13 |
| 143 | Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. Scientific Reports, 2019, 9, 17912. | 3.3 | 13 |
| 144 | 700,000 years of tropical Andean glaciation. Nature, 2022, 607, 301-306. | 27.8 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Vegetation response to climatic changes in western Amazonia over the last 7,600Âyears. Journal of Biogeography, 2019, 46, 2389-2406. | 3.0 | 10 |
| 146 | Andean drought and glacial retreat tied to Greenland warming during the last glacial period. Nature Communications, 2020, 11, 5135. | 12.8 | 10 |
| 147 | Modern pollen assemblages of the Neotropics. Journal of Biogeography, 2021, 48, 231-241. | 3.0 | 10 |
| 148 | A Holocene pollen record of savanna establishment in coastal AmapÃ¡. Anais Da Academia Brasileira De Ciencias, 2008, 80, 341-351. | 0.8 | 9 |
| 149 | Comment on Clement et al . 2015 â€˜The domestication of Amazonia before European conquestâ€™. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151837. | 2.6 | 9 |
| 150 | BUMPER v1.0: a Bayesian user-friendly model for palaeo-environmental reconstruction. Geoscientific Model Development, 2017, 10, 483-498. | 3.6 | 9 |
| 151 | A palaeoecological perspective on the transformation of the tropical Andes by early human activity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200497. | 4.0 | 9 |
| 152 | A biogeographic comment on: Wuster et al. (2005) Tracing an invasion: landbridges, refugia, and the phylogeography of the Neotropical rattlesnake (Serpentes: Viperidae: Crotalus durissus).. Molecular Ecology, 2005, 14, 3615-3617. | 3.9 | 8 |
| 153 | Andean montane forests and climate change. , 2007, , 33-54. | | 8 |
| 154 | Climate influences on water and sediment properties of Genovesa Crater Lake, GalÃ¡pagos. Journal of Paleolimnology, 2014, 52, 331-347. | 1.6 | 8 |
| 155 | Human-induced ecological cascades: Extinction, restoration, and rewilding in the GalÃ¡pagos highlands. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 8 |
| 156 | Last Glacial Maximum in an Andean cloud forest environment (Eastern Cordillera, Bolivia): Comment and Reply. Geology, 2003, 31, e26-e27. | 4.4 | 7 |
| 157 | Four centuries of vegetation change in the mid-elevation Andean forests of Ecuador. Vegetation History and Archaeobotany, 2019, 28, 679-689. | 2.1 | 7 |
| 158 | On the scaling and standardization of charcoal data in paleofire reconstructions. Frontiers of Biogeography, 2021, 13, . | 1.8 | 7 |
| 159 | Environmental Change in the Humid Tropics and MonsoonalRegions. , 0, , 113-140. | | 7 |
| 160 | Predation and the cost of replication: New approaches to malware prevention?. Computers and Security, 2006, 25, 257-264. | 6.0 | 6 |
| 161 | Pollen recognition using a multi-layer hierarchical classifier. , 2016, , . | | 6 |
| 162 | A 12,700-year history of paleolimnological change from an Andean microrefugium. Holocene, 2019, 29, 231-243. | 1.7 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | New and Repeating Tipping Points: The Interplay of Fire, Climate Change, and Deforestation in Neotropical Ecosystems. Annals of the Missouri Botanical Garden, 2020, 105, 393-404. | 1.3 | 6 |
| 164 | Potential distributions of pre-Columbian people in Tropical Andean landscapes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200502. | 4.0 | 6 |
| 165 | Glacial and interglacials in the Neotropics: a 130,000-year diatom record from central Panama. Journal of Paleolimnology, 2017, 58, 497-510. | 1.6 | 5 |
| 166 | Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andesâ€“Amazon elevational gradient. Journal of Vegetation Science, 2021, 32, e12925. | 2.2 | 5 |
| 167 | Ecological resilience in tropical Andean lakes: A paleolimnological perspective. Limnology and Oceanography, 2022, 67, . | 3.1 | 5 |
| 168 | Anak Krakatau and old Krakatau: a reply. Geo Journal, 1993, 29, 417-420. | 3.1 | 4 |
| 169 | In search of the ice age tropics, a tribute to Prof. Daniel Livingstone and Prof. Paul Colinvaux. Quaternary Research, 2018, 89, 1-6. | 1.7 | 4 |
| 170 | When the grass wasn't greener: Megafaunal ecology and paleodroughts. Quaternary Science Reviews, 2021, 266, 107073. | 3.0 | 4 |
| 171 | Biotic Development of Quaternary Amazonia: A Palynological Perspective. , 2011, , 335-345. | | 3 |
| 172 | Automated pollen identification system for forensic geo-historical location applications. , 2013, , . | | 3 |
| 173 | Water quality and spatial and seasonal dynamics in the largest water supply reservoir in Brazil and implications for diatom assemblages. Acta Limnologica Brasiliensia, 0, 33, . | 0.4 | 3 |
| 174 | Classifying Frog Calls Using Gaussian Mixture Models. Lecture Notes in Computer Science, 2015, , 347-354. | 1.3 | 1 |
| 175 | Pollen recognition in optical microscopy by matching multifocal image sequences. , 2016, , . | | 1 |
| 176 | Classifying Pollen Using Robust Sequence Alignment of Sparse Z-Stack Volumes. Lecture Notes in Computer Science, 2016, , 331-340. | 1.3 | 1 |
| 177 | Amazonian exploitation revisited: ecological asymmetry and the policy pendulum. Frontiers in Ecology and the Environment, 2007, 5, 457-465. | 4.0 | 1 |
| 178 | Highlights from the 2005 New Security Paradigms Workshop. , 0, , . | | 0 |
| 179 | Expect The Unexpected: A Paleoecological View Of Rapid Climate Change. , 2009, , . | | 0 |
| 180 | Quaternary Tropical Plant Extinction: A Paleoecological Perspective from the Neotropics. , 2012, , 199-214. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Anak Krakatau and old Krakatau â€" a further comment. Geo Journal, 1994, 33, 491-492. | 3.1 | 0 |
| 182 | Anak Krakatau and old Krakatau -a Further Comment. Geo Journal, 1994, 34, 519-520. | 3.1 | 0 |