# Michael A Ellis

List of Publications by Year
in descending order



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|---|---|---|---|
| 70 papers | 6,194 citations | 147566<br>31 h-index | 102304<br>66 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 7315 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Method to Extract Measurable Indicators of Coastal Cliff Erosion from Topographical Cliff and Beach Profiles: Application to North Norfolk and Suffolk, East England, UK. Journal of Marine Science and Engineering, 2020, 8, 20. | 1.2 | 11 |
| 2 | Communicating Simulation Outputs of Mesoscale Coastal Evolution to Specialist and Non-Specialist Audiences. Journal of Marine Science and Engineering, 2020, 8, 235. | 1.2 | 6 |
| 3 | The chronostratigraphic method is unsuitable for determining the start of the Anthropocene. Progress in Physical Geography, 2019, 43, 334-344. | 1.4 | 29 |
| 4 | Development of an automatic delineation of cliff top and toe on very irregular planform coastlines (CliffMetrics v1.0). Geoscientific Model Development, 2018, 11, 4317-4337. | 1.3 | 16 |
| 5 | A Quantitative Assessment of the Annual Contribution of Platform Downwearing to Beach Sediment Budget: Happisburgh, England, UK. Journal of Marine Science and Engineering, 2018, 6, 113. | 1.2 | 12 |
| 6 | Past changes in the North Atlantic storm track driven by insolation and sea-ice forcing. Geology, 2017, 45, 335-338. | 2.0 | 30 |
| 7 | Unusual morphologies and the occurrence of pseudomorphs after ikaite (CaCO<sub>3</sub>Â·6H<sub>2</sub>O) in fast growing, hyperalkaline speleothems. Mineralogical Magazine, 2017, 81, 565-589. | 0.6 | 29 |
| 8 | Controls on the distribution of cosmogenic <sup>10</sup>Be across shore platforms. Earth Surface Dynamics, 2017, 5, 67-84. | 1.0 | 21 |
| 9 | Coastal Modelling Environment version 1.0: aÂframework for integrating landform-specific component models in order to simulate decadal to centennial morphological changes on complex coasts. Geoscientific Model Development, 2017, 10, 2715-2740. | 1.3 | 17 |
| 10 | Complex coastlines responding to climate change:Âdo shoreline shapes reflect present forcing or â€œrememberâ€•the distant past?. Earth Surface Dynamics, 2016, 4, 871-884. | 1.0 | 15 |
| 11 | Thank you to 2015 reviewers ofEarth's Future. Earth's Future, 2016, 4, 92-93. | 2.4 | 0 |
| 12 | The Anthropocene: a conspicuous stratigraphical signal of anthropogenic changes in production and consumption across the biosphere. Earth's Future, 2016, 4, 34-53. | 2.4 | 66 |
| 13 | Spatio-temporal Variability in the Tipping Points of a Coastal Defense. Journal of Coastal Research, 2016, 75, 1042-1046. | 0.1 | 5 |
| 14 | Recent acceleration in coastal cliff retreat rates on the south coast of Great Britain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13336-13341. | 3.3 | 90 |
| 15 | The effectiveness of beach mega-nourishment, assessed over three management epochs. Journal of Environmental Management, 2016, 184, 400-408. | 3.8 | 29 |
| 16 | Palaeoclimatic implications of high-resolution clay mineral assemblages preceding and across the onset of the Palaeoceneâ€“Eocene Thermal Maximum, North Sea Basin. Clay Minerals, 2016, 51, 793-813. | 0.2 | 40 |
| 17 | Aeolian sediment reconstructions from the Scottish Outer Hebrides: Late Holocene storminess and the role of the North Atlantic Oscillation. Quaternary Science Reviews, 2016, 132, 15-25. | 1.4 | 34 |
| 18 | The Anthropocene is functionally and stratigraphically distinct from the Holocene. Science, 2016, 351, aad2622. | 6.0 | 1,543 |

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|---|---|---|---|
| 19 | An evolving research agenda for humanâ€“coastal systems. Geomorphology, 2016, 256, 81-90. | 1.1 | 75 |
| 20 | Investigating the maximum resolution of ÂµXRF core scanners: A 1800â€‰year storminess reconstruction from the Outer Hebrides, Scotland, UK. Holocene, 2016, 26, 235-247. | 0.9 | 8 |
| 21 | The emergence of topographic steady state in a perpetually dynamic selfâ€organized critical landscape. Water Resources Research, 2015, 51, 4986-5003. | 1.7 | 26 |
| 22 | Exploring the sensitivities of crenulate bay shorelines to wave climates using a new vector-based one-line model. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2586-2608. | 1.0 | 50 |
| 23 | Forecasting the response of Earth's surface to future climatic and land use changes: A review of methods and research needs. Earth's Future, 2015, 3, 220-251. | 2.4 | 98 |
| 24 | When did the Anthropocene begin? A mid-twentieth century boundary level is stratigraphically optimal. Quaternary International, 2015, 383, 196-203. | 0.7 | 546 |
| 25 | Simulating the influences of groundwater on regional geomorphology using a distributed, dynamic, landscape evolution modelling platform. Environmental Modelling and Software, 2015, 74, 1-20. | 1.9 | 13 |
| 26 | Coastal vulnerability of a pinned, soft-cliff coastline â€“ Part I: Assessing the natural sensitivity to wave climate. Earth Surface Dynamics, 2014, 2, 295-308. | 1.0 | 16 |
| 27 | A stratigraphical basis for the Anthropocene?. Geological Society Special Publication, 2014, 395, 1-21. | 0.8 | 130 |
| 28 | Which Anthropocene is it to be? Beyond geology to a moral and public discourse. Earth's Future, 2014, 2, 122-125. | 2.4 | 32 |
| 29 | Coastal vulnerability of a pinned, soft-cliff coastline, II: assessing the influence of sea walls on future morphology. Earth Surface Dynamics, 2014, 2, 233-242. | 1.0 | 10 |
| 30 | Fossil proxies of near-shore sea surface temperatures and seasonality from the late Neogene Antarctic shelf. Die Naturwissenschaften, 2013, 100, 699-722. | 0.6 | 12 |
| 31 | Controls on the magnitude-frequency scaling of an inventory of secular landslides. Earth Surface Dynamics, 2013, 1, 67-78. | 1.0 | 32 |
| 32 | Marine and terrestrial environmental changes in NW Europe preceding carbon release at the Paleoceneâ€“Eocene transition. Earth and Planetary Science Letters, 2012, 353-354, 108-120. | 1.8 | 74 |
| 33 | Reply to comment by Rob Westaway on â€œReview of tufa deposition and palaeohydrological conditions in the White Peak, Derbyshire, UK: implications for Quaternary landscape evolution.â€ Proceedings of the Geologists Association, 2012, 123, 789-790. | 0.6 | 2 |
| 34 | Review of tufa deposition and palaeohydrological conditions in the White Peak, Derbyshire, UK: implications for Quaternary landscape evolution. Proceedings of the Geologists Association, 2012, 123, 117-129. | 0.6 | 12 |
| 35 | iCOASST â€“ INTEGRATING COASTAL SEDIMENT SYSTEMS. Coastal Engineering Proceedings, 2012, 1, 100. | 0.1 | 20 |
| 36 | The Anthropocene: a new epoch of geological time?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 835-841. | 1.6 | 395 |

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|---|---|---|---|
| 37 | The generation of soil over sandstones in a periglacial environment. Applied Geochemistry, 2011, 26, S139-S141. | 1.4 | 0 |
| 38 | The spatial variation of weathering and soil depth across a Triassic sandstone outcrop. Earth Surface Processes and Landforms, 2011, 36, 569-581. | 1.2 | 10 |
| 39 | The Role of Late Quaternary Upper-Crustal Faults in the 12 May 2008 Wenchuan Earthquake. Bulletin of the Seismological Society of America, 2010, 100, 2700-2712. | 1.1 | 25 |
| 40 | Extraordinary denudation in the Sichuan Basin: Insights from lowâ€temperature thermochronology adjacent to the eastern margin of the Tibetan Plateau. Journal of Geophysical Research, 2008, 113, . | 3.3 | 200 |
| 41 | Space Geodesy and the New Madrid Seismic Zone. Eos, 2008, 89, 256-256. | 0.1 | 2 |
| 42 | Active tectonics of the Beichuan and Pengguan faults at the eastern margin of the Tibetan Plateau. Tectonics, 2007, 26, . | 1.3 | 340 |
| 43 | A topographic fingerprint to distinguish alluvial fan formative processes. Geomorphology, 2007, 88, 34-45. | 1.1 | 52 |
| 44 | Tectonic geomorphology of the southeastern Mississippi Embayment in northern Mississippi, USA. Bulletin of the Geological Society of America, 2006, 118, 1160-1170. | 1.6 | 36 |
| 45 | First-order topography over blind thrusts. , 2006, , . | | 17 |
| 46 | Space geodetic evidence for rapid strain rates in the New Madrid seismic zone of central USA. Nature, 2005, 435, 1088-1090. | 13.7 | 58 |
| 47 | Seismology: Tectonic strain in plate interiors? (Reply). Nature, 2005, 438, E10-E10. | 13.7 | 5 |
| 48 | Earthquake triggering and delaying caused by fault interaction on Xianshuihe fault belt, southwestern China. Acta Seismologica Sinica, 2003, 16, 156-165. | 0.2 | 9 |
| 49 | Indian earthquake may serve as analog for New Madrid earthquakes. Eos, 2001, 82, 345-350. | 0.1 | 15 |
| 50 | The generation and degradation of marine terraces. Basin Research, 1999, 11, 7-19. | 1.3 | 154 |
| 51 | Development of mountainous topography in the Basin Ranges, USA. Basin Research, 1999, 11, 21-41. | 1.3 | 105 |
| 52 | Landsliding and the evolution of normal-fault-bounded mountains. Journal of Geophysical Research, 1998, 103, 15203-15219. | 3.3 | 214 |
| 53 | Space Geodetic Observations of Nazca-South America Convergence Across the Central Andes. Science, 1998, 279, 358-362. | 6.0 | 235 |
| 54 | Constraints on present-day shortening rate across the central eastern Andes from GPS data. Geophysical Research Letters, 1997, 24, 1031-1034. | 1.5 | 25 |

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|---|---|---|---|
| 55 | Hillslope Evolution by Bedrock Landslides. Science, 1997, 275, 369-372. | 6.0 | 112 |
| 56 | Structural features in a brittleâ€"ductile wax model of continental extension. Nature, 1997, 387, 67-70. | 13.7 | 324 |
| 57 | Fault interaction may generate multiple slip vectors on a single fault surface. Geology, 1994, 22, 1123. | 2.0 | 57 |
| 58 | Topography and tectonics of the central New Madrid seismic zone: Results of numerical experiments using a three-dimensional boundary element program. Journal of Geophysical Research, 1994, 99, 20299-20310. | 3.3 | 99 |
| 59 | Introduction to Special Section on Tectonics and Topography. Journal of Geophysical Research, 1994, 99, 12135-12141. | 3.3 | 44 |
| 60 | Earthquake rate analysis. Tectonophysics, 1993, 218, 1-21. | 0.9 | 14 |
| 61 | The origin of large local uplift in extensional regions. Nature, 1990, 348, 689-693. | 13.7 | 137 |
| 62 | Rightâ€lateral displacements and the Holocene slip rate associated with prehistoric earthquakes along the Southern Panamint Valley Fault Zone: Implications for southern Basin and Range tectonics and Coastal California deformation. Journal of Geophysical Research, 1990, 95, 4857-4872. | 3.3 | 51 |
| 63 | Displacement variation along thrust faults: implications for the development of large faults. Journal of Structural Geology, 1988, 10, 183-192. | 1.0 | 111 |
| 64 | Comments and Reply on "Orogen-parallel extension and oblique tectonics: The relation between stretching lineations and relative plate motions". Geology, 1988, 16, 857. | 2.0 | 3 |
| 65 | Oblique subduction, footwall deformation, and imbrication: A model for the Penokean orogeny in east-central Minnesota. Bulletin of the Geological Society of America, 1988, 100, 1811-1818. | 1.6 | 20 |
| 66 | Lithospheric Strength in Compression: Initiation of Subduction, Flake Tectonics, Foreland Migration of Thrusting, and an Origin of Displaced Terranes. Journal of Geology, 1988, 96, 91-100. | 0.7 | 29 |
| 67 | Orogen-parallel extension and oblique tectonics: The relation between stretching lineations and relative plate motions. Geology, 1987, 15, 1022. | 2.0 | 80 |
| 68 | The determination of progressive deformation histories from antitaxial syntectonic crystal fibres. Journal of Structural Geology, 1986, 8, 701-709. | 1.0 | 50 |
| 69 | Structural morphology and associated strain in the central Cordillera (British Columbia and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf | 2.0 | 15 |
| 70 | Initial paleohydrological observations from the Paleocene-Eocene boundary at Esplugafreda and Berganuy in northern Spain. Rendiconti Online Societa Geologica Italiana, 0, 31, 54-55. | 0.3 | 1 |