

Gareth G Roberts

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,318
citations

394421

19
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

1256
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cretaceous to Recent net continental uplift from paleobiological data: Insights into sub-plate support. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1217-1236. | 3.3 | 7 |
| 2 | Fault Throw and Regional Uplift Histories From Drainage Analysis: Evolution of Southern Italy. <i>Tectonics</i> , 2021, 40, e2020TC006076. | 2.8 | 7 |
| 3 | Scale-Dependent Contributors to River Profile Geometry. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005879. | 2.8 | 11 |
| 4 | Emergent simplicity despite local complexity in eroding fluvial landscapes. <i>Geology</i> , 2021, 49, 1322-1326. | 4.4 | 1 |
| 5 | Source Region Geochemistry From Unmixing Downstream Sedimentary Elemental Compositions. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009838. | 2.5 | 11 |
| 6 | Scale-Dependent Flow Directions of Rivers and the Importance of Subplate Support. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091107. | 4.0 | 2 |
| 7 | Large-Scale Tectonic Forcing of the African Landscape. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006345. | 2.8 | 7 |
| 8 | Extricating dynamic topography from subsidence patterns: Examples from Eastern North America's passive margin. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115840. | 4.4 | 4 |
| 9 | River Sediment Geochemistry as a Conservative Mixture of Source Regions: Observations and Predictions From the Cairngorms, UK. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005700. | 2.8 | 8 |
| 10 | Comparison of methods to estimate sediment flux in ancient sediment routing systems. <i>Earth-Science Reviews</i> , 2020, 207, 103217. | 9.1 | 21 |
| 11 | Major Element Composition of Sediments in Terms of Weathering and Provenance: Implications for Crustal Recycling. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008758. | 2.5 | 21 |
| 12 | Continental-Scale Landscape Evolution: A History of North American Topography. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2689-2722. | 2.8 | 23 |
| 13 | Observation and Simulation of Solid Sedimentary Flux: Examples From Northwest Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4613-4634. | 2.5 | 7 |
| 14 | Timing and periodicity of Phanerozoic marine biodiversity and environmental change. <i>Scientific Reports</i> , 2019, 9, 6116. | 3.3 | 19 |
| 15 | Neogene Epeirogeny of Iberia. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1138-1163. | 2.5 | 21 |
| 16 | The Generation and Scaling of Longitudinal River Profiles. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 137-153. | 2.8 | 21 |
| 17 | Scales of Similarity and Disparity Between Drainage Networks. <i>Geophysical Research Letters</i> , 2019, 46, 3781-3790. | 4.0 | 17 |
| 18 | Holocene uplift and rapid fluvial erosion of Iceland: A record of post-glacial landscape evolution. <i>Earth and Planetary Science Letters</i> , 2019, 505, 118-130. | 4.4 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Continental margin subsidence from shallow mantle convection: Example from West Africa. <i>Earth and Planetary Science Letters</i> , 2018, 481, 350-361. | 4.4 | 13 |
| 20 | A Neogene history of mantle convective support beneath Borneo. <i>Earth and Planetary Science Letters</i> , 2018, 496, 142-158. | 4.4 | 18 |
| 21 | Incipient mantle plume evolution: Constraints from ancient landscapes buried beneath the North Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 973-993. | 2.5 | 22 |
| 22 | Spatial and temporal uplift history of South America from calibrated drainage analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2321-2353. | 2.5 | 38 |
| 23 | Uplift histories of Africa and Australia from linear inverse modeling of drainage inventories. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 894-914. | 2.8 | 80 |
| 24 | The African landscape through space and time. <i>Tectonics</i> , 2014, 33, 898-935. | 2.8 | 89 |
| 25 | A Cenozoic uplift history of Mexico and its surroundings from longitudinal river profiles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4734-4758. | 2.5 | 42 |
| 26 | Cenozoic epeirogeny of the Arabian Peninsula from drainage modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3723-3761. | 2.5 | 36 |
| 27 | Spatial and temporal patterns of Australian dynamic topography from River Profile Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1384-1424. | 3.4 | 81 |
| 28 | An uplift history of Crete, Greece, from inverse modeling of longitudinal river profiles. <i>Geomorphology</i> , 2013, 198, 177-188. | 2.6 | 21 |
| 29 | Geomorphic control on the number of mountain forests. <i>Biogeosciences</i> , 2013, 10, 1693-1705. | 3.3 | 46 |
| 30 | Temporal and spatial evolution of dynamic support from river profiles: A framework for Madagascar. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, . | 2.5 | 64 |
| 31 | An uplift history of the Colorado Plateau and its surroundings from inverse modeling of longitudinal river profiles. <i>Tectonics</i> , 2012, 31, . | 2.8 | 75 |
| 32 | Transient convective uplift of an ancient buried landscape. <i>Nature Geoscience</i> , 2011, 4, 562-565. | 12.9 | 128 |
| 33 | Estimating uplift rate histories from river profiles using African examples. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 187 |
| 34 | Uplift histories from river profiles. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 148 |