

# Gareth G Roberts

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5500538/publications.pdf>

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	Estimating uplift rate histories from river profiles using African examples. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	187
2	Uplift histories from river profiles. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	148
3	Transient convective uplift of an ancient buried landscape. <i>Nature Geoscience</i> , 2011, 4, 562-565.	12.9	128
4	The African landscape through space and time. <i>Tectonics</i> , 2014, 33, 898-935.	2.8	89
5	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
6	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
7	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
8	Temporal and spatial evolution of dynamic support from river profiles: A framework for Madagascar. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	64
9	Geomorphic control on the $\hat{\epsilon}$ of mountain forests. <i>Biogeosciences</i> , 2013, 10, 1693-1705.	3.3	46
10	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
11	Spatial and temporal uplift history of South America from calibrated drainage analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2321-2353.	2.5	38
12	Cenozoic epeirogeny of the Arabian Peninsula from drainage modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3723-3761.	2.5	36
13	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
14	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
15	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
16	An uplift history of Crete, Greece, from inverse modeling of longitudinal river profiles. <i>Geomorphology</i> , 2013, 198, 177-188.	2.6	21
17	Neogene Epeirogeny of Iberia. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1138-1163.	2.5	21
18	The Generation and Scaling of Longitudinal River Profiles. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 137-153.	2.8	21

#	ARTICLE	IF	CITATIONS
19	Comparison of methods to estimate sediment flux in ancient sediment routing systems. <i>Earth-Science Reviews</i> , 2020, 207, 103217.	9.1	21
20	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
21	Timing and periodicity of Phanerozoic marine biodiversity and environmental change. <i>Scientific Reports</i> , 2019, 9, 6116.	3.3	19
22	A Neogene history of mantle convective support beneath Borneo. <i>Earth and Planetary Science Letters</i> , 2018, 496, 142-158.	4.4	18
23	Scales of Similarity and Disparity Between Drainage Networks. <i>Geophysical Research Letters</i> , 2019, 46, 3781-3790.	4.0	17
24	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
25	Scale-Dependent Contributors to River Profile Geometry. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005879.	2.8	11
26	Source Region Geochemistry From Unmixing Downstream Sedimentary Elemental Compositions. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009838.	2.5	11
27	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
28	Observation and Simulation of Solid Sedimentary Flux: Examples From Northwest Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4613-4634.	2.5	7
29	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
30	Fault Throw and Regional Uplift Histories From Drainage Analysis: Evolution of Southern Italy. <i>Tectonics</i> , 2021, 40, e2020TC006076.	2.8	7
31	Large-Scale Tectonic Forcing of the African Landscape. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006345.	2.8	7
32	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
33	Scale-Dependent Flow Directions of Rivers and the Importance of Subplate Support. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091107.	4.0	2
34	Emergent simplicity despite local complexity in eroding fluvial landscapes. <i>Geology</i> , 2021, 49, 1322-1326.	4.4	1