

Stephen S Tooth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/341794/publications.pdf>

Version: 2024-02-01

94
papers

4,014
citations

126907

33
h-index

128289

60
g-index

101
all docs

101
docs citations

101
times ranked

3011
citing authors

#	ARTICLE	IF	CITATIONS
1	Professor Kenneth John Gregory (1938–2020): The career, contributions and legacy of an eminent geographer and fluvial geomorphologist. <i>Earth Surface Processes and Landforms</i> , 2023, 48, 34-46.	2.5	0
2	Significantly enhanced mid Holocene fluvial activity in a globally important, arid-zone wetland: The Okavango Delta, Botswana. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 854-871.	2.5	10
3	How have Cretan rivers responded to late Holocene uplift? A multi-millennial, multi-catchment field experiment to evaluate the applicability of Schumm and Parker's (1973) complex response model. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2178-2197.	2.5	3
4	The Chobe-Zambezi Channel-Floodplain System: Anatomy of a Wetland in a Dryland. <i>World Geomorphological Landscapes</i> , 2022, , 117-130.	0.3	2
5	Visualisation of flooding along an unvegetated, ephemeral river using Google Earth Engine: Implications for assessment of channel-floodplain dynamics in a time of rapid environmental change. <i>Journal of Environmental Management</i> , 2021, 278, 111559.	7.8	16
6	Equality, diversity, inclusion: ensuring a resilient future for geomorphology. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 5-11.	2.5	10
7	Effects of vegetation on bacterial communities, carbon and nitrogen in dryland soil surfaces: implications for shrub encroachment in the southwest Kalahari. <i>Science of the Total Environment</i> , 2021, 764, 142847.	8.0	15
8	Remembering and forgetting floods and droughts: lessons from the Welsh colony in Patagonia. <i>Cultural Geographies</i> , 2021, 28, 341-361.	1.9	7
9	Dryland river adjustments in a warming world. <i>Geography</i> , 2021, 106, 49-52.	0.6	0
10	Chute cutoff-driven abandonment and sedimentation of meander bends along a fine-grained, non-vegetated, ephemeral river on the Bolivian Altiplano. <i>Geomorphology</i> , 2020, 350, 106917.	2.6	14
11	Digital Elevation Models for topographic characterisation and flood flow modelling along low-gradient, terminal dryland rivers: A comparison of spaceborne datasets for the Río Colorado, Bolivia. <i>Journal of Hydrology</i> , 2020, 591, 125617.	5.4	14
12	A shifting 'river of sand': The profound response of Australia's Warrego River to Holocene hydroclimatic change. <i>Geomorphology</i> , 2020, 370, 107385.	2.6	11
13	A comparison of multiple luminescence chronometers at Voordrag, South Africa. <i>Quaternary Geochronology</i> , 2020, 60, 101094.	1.4	5
14	Topographic, Hydraulic, and Vegetative Controls on Bar and Island Development in Mixed Bedrock Alluvial, Multichanneled, Dryland Rivers. <i>Water Resources Research</i> , 2020, 56, e2019WR026101.	4.2	14
15	Identifying threshold responses of Australian dryland rivers to future hydroclimatic change. <i>Scientific Reports</i> , 2020, 10, 6653.	3.3	26
16	Editorial: Perspectives on the contemporary art-geoscience interface. <i>Journal of Maps</i> , 2019, 15, 1-8.	2.0	7
17	Small-Scale Spatial Heterogeneity of Photosynthetic Fluorescence Associated with Biological Soil Crust Succession in the Tengger Desert, China. <i>Microbial Ecology</i> , 2019, 78, 936-948.	2.8	8
18	Product vs. process? The role of geomorphology in wetland characterization. <i>Science of the Total Environment</i> , 2019, 663, 980-991.	8.0	36

#	ARTICLE	IF	CITATIONS
19	Cascades of subdecadal, channel-floodplain changes in low-gradient, nonvegetated reaches near a dryland river terminus: Salar de Uyuni, Bolivia. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 490-506.	2.5	12
20	Quantifying and contextualising cyclone-driven, extreme flood magnitudes in bedrock-influenced dryland rivers. <i>Advances in Water Resources</i> , 2019, 123, 145-159.	3.8	15
21	Knickpoint evolution in a supraglacial stream. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2019, 101, 118-135.	1.5	1
22	The "Global Wetland Outlook"™ report. <i>Geography</i> , 2019, 104, 154-159.	0.6	3
23	The geomorphology of wetlands in drylands: Resilience, nonresilience, or $\hat{?}$. <i>Geomorphology</i> , 2018, 305, 33-48.	2.6	38
24	Morphodynamics of bedrock-influenced dryland rivers during extreme floods: Insights from the Kruger National Park, South Africa. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1825-1841.	3.3	22
25	A nested hierarchical perspective to enhance interpretations and communication in fluvial geomorphology for use in water resources management: Lessons from the Okavango Delta, Botswana. <i>Geographical Journal</i> , 2018, 184, 192-207.	3.1	12
26	Applying Independent Component Analysis on Sentinel-2 Imagery to Characterize Geomorphological Responses to an Extreme Flood Event near the Non-Vegetated Río Colorado Terminus, Salar de Uyuni, Bolivia. <i>Remote Sensing</i> , 2018, 10, 725.	4.0	23
27	The geomorphology of the Anthropocene: emergence, status and implications. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 71-90.	2.5	183
28	Timescales, mechanisms, and controls of incisional avulsions in floodplain wetlands: Insights from the Tshwane River, semiarid South Africa. <i>Geomorphology</i> , 2017, 283, 158-172.	2.6	30
29	The interplay between extrinsic and intrinsic controls in determining floodplain wetland characteristics in the South African drylands. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1092-1109.	2.5	27
30	The sky is the limit: reconstructing physical geography from an aerial perspective. <i>Journal of Geography in Higher Education</i> , 2017, 41, 134-146.	2.6	22
31	Searching for an Anthro(s)cene in the Uplands of Mid Wales. <i>GeoHumanities</i> , 2017, 3, 567-579.	0.9	7
32	Geomorphology and Sediment Regimes of Intermittent Rivers and Ephemeral Streams. , 2017, , 21-49.		38
33	Changes in fluvial systems during the Quaternary. , 2016, , 170-187.		4
34	Cosmogenic ³ He Measurements Provide Insight into Lithologic Controls on Bedrock Channel Incision: Examples from the South African Interior. <i>Journal of Geology</i> , 2016, 124, 423-434.	1.4	13
35	Visualizing geomorphology: improving communication of data and concepts through engagement with the arts. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1793-1796.	2.5	23
36	Temporal observations of a linear sand dune in the Simpson Desert, central Australia: Testing models for dune formation on planetary surfaces. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1736-1750.	3.6	13

#	ARTICLE	IF	CITATIONS
37	Comparison of paired quartz OSL and feldspar post-IR IRSL dose distributions in poorly bleached fluvial sediments from South Africa. <i>Quaternary Geochronology</i> , 2015, 30, 233-238.	1.4	92
38	New investigations at Kalambo Falls, Zambia: Luminescence chronology, site formation, and archaeological significance. <i>Journal of Human Evolution</i> , 2015, 85, 111-125.	2.6	52
39	Luminescence, Geomorphological Processes. <i>Encyclopedia of Earth Sciences Series</i> , 2015, , 470-475.	0.1	1
40	Google Earth as a resource. <i>Geography</i> , 2015, 100, 51-56.	0.6	15
41	Excavations at Site C North, Kalambo Falls, Zambia: New Insights into the Mode 2/3 Transition in South-Central Africa. <i>Journal of African Archaeology</i> , 2015, 13, 187-214.	0.6	26
42	Origin and development of theater-headed valleys in the Atacama Desert, northern Chile: Morphological analogs to martian valley networks. <i>Icarus</i> , 2014, 243, 296-310.	2.5	17
43	Late Quaternary climatic changes revealed by luminescence dating, mineral magnetism and diffuse reflectance spectroscopy of river terrace palaeosols: a new form of geoproxy data for the southern African interior. <i>Quaternary Science Reviews</i> , 2014, 95, 43-59.	3.0	49
44	Late Holocene development of a major fluvial discontinuity in floodplain wetlands of the Blood River, eastern South Africa. <i>Geomorphology</i> , 2014, 205, 128-141.	2.6	33
45	14.5 Google Earth, in <i>Geomorphology: Re-Enchanting, Revolutionizing, or Just another Resource?</i> , 2013, , 53-64.		9
46	9.31 Dryland Fluvial Environments: Assessing Distinctiveness and Diversity from a Global Perspective. , 2013, , 612-644.		26
47	Late Quaternary floodplain reworking and the preservation of alluvial sedimentary archives in unconfined and confined river valleys in the eastern interior of South Africa. <i>Geomorphology</i> , 2013, 185, 54-66.	2.6	60
48	Chronology and controls of donga (gully) formation in the upper Blood River catchment, KwaZulu-Natal, South Africa: Evidence for a climatic driver of erosion. <i>Holocene</i> , 2013, 23, 1875-1887.	1.7	21
49	The Anthropocene: is there a geomorphological case?. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 431-434.	2.5	78
50	Controls On the Genesis, Sedimentary Architecture, and Preservation Potential of Dryland Alluvial Successions In Stable Continental Interiors: Insights from the Incising Modder River, South Africa. <i>Journal of Sedimentary Research</i> , 2013, 83, 541-561.	1.6	43
51	Luminescence, Geomorphological Processes. , 2013, , 1-9.		1
52	Dryland Fluvial Environments: Assessing Distinctiveness and Diversity From a Global Perspective. , 2013, , 961-993.		0
53	Arid geomorphology. <i>Progress in Physical Geography</i> , 2012, 36, 262-284.	3.2	13
54	Drainage network development in the Keanakōia tephra, Kālauea Volcano, Hawai'i: Implications for fluvial erosion and valley network formation on early Mars. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18

#	ARTICLE	IF	CITATIONS
55	The Kufrah paleodrainage system in Libya: A past connection to the Mediterranean Sea?. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 406-414.	1.2	24
56	The origin and development of the Nyl River floodplain wetland, Limpopo Province, South Africa: trunkâ€“tributary river interactions in a dryland setting. <i>Southern African Geographical Journal</i> , 2011, 93, 172-190.	1.8	30
57	The role of geomorphology in evaluating remediation options for floodplain wetlands: the case of Ramsar-listed Seekoeivlei, eastern South Africa. <i>Wetlands Ecology and Management</i> , 2010, 18, 119-134.	1.5	25
58	The character, origin and palaeoenvironmental significance of the Wonderkrater spring mound, South Africa. <i>Journal of African Earth Sciences</i> , 2010, 58, 115-126.	2.0	19
59	Research resource review: Olav Slaymaker, Tom Spencer, and Christine Embleton-Hamann (eds), <i>Geomorphology and Global Environmental Change</i> . Cambridge: Cambridge University Press, 2009; 450 pp.: 9780521878128, Â£45 (hbk). <i>Progress in Physical Geography</i> , 2010, 34, 865-868.	3.2	0
60	The 4th International Palaeoflood Workshop and trends in palaeoflood science. <i>Global and Planetary Change</i> , 2010, 70, 1-4.	3.5	10
61	Holocene flooding and river development in a Mediterranean steepland catchment: The Anapodaris Gorge, south central Crete, Greece. <i>Global and Planetary Change</i> , 2010, 70, 35-52.	3.5	52
62	Invisible geomorphology?. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 752-754.	2.5	31
63	Mapping of a major paleodrainage system in eastern Libya using orbital imaging radar: The Kufrah River. <i>Earth and Planetary Science Letters</i> , 2009, 277, 327-333.	4.4	124
64	Late Quaternary dynamics of a South African floodplain wetland and the implications for assessing recent human impacts. <i>Geomorphology</i> , 2009, 106, 278-291.	2.6	35
65	Arid geomorphology: recent progress from an Earth System Science perspective. <i>Progress in Physical Geography</i> , 2008, 32, 81-101.	3.2	21
66	Riparian vegetation and the late Holocene development of an anabranching river: Magela Creek, northern Australia. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 1021-1035.	3.3	75
67	Chronology and controls of avulsion along a mixed bedrock-alluvial river. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 452-461.	3.3	66
68	Wetlands in drylands: geomorphological and sedimentological characteristics, with emphasis on examples from southern Africa. <i>Progress in Physical Geography</i> , 2007, 31, 3-41.	3.2	154
69	Assessing the reproducibility and accuracy of optical dating of fluvial deposits. <i>Quaternary Geochronology</i> , 2006, 1, 109-120.	1.4	130
70	Theoretical modeling of stream potholes based upon empirical observations from the Orange River, Republic of South Africa. <i>Geomorphology</i> , 2006, 82, 160-176.	2.6	40
71	A comparison of mud- and sand-dominated meanders in a downstream coarsening reach of the mixed bedrock-alluvial Klip River, eastern Free State, South Africa. <i>Sedimentary Geology</i> , 2006, 190, 213-226.	2.1	35
72	Virtual globes: a catalyst for the re-enchantment of geomorphology?. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 1192-1194.	2.5	40

#	ARTICLE	IF	CITATIONS
73	Optical dating of a scroll-bar sequence on the Klip River, South Africa, to derive the lateral migration rate of a meander bend. <i>Holocene</i> , 2005, 15, 802-811.	1.7	71
74	Splay Formation Along the Lower Reaches of Ephemeral Rivers on the Northern Plains of Arid Central Australia. <i>Journal of Sedimentary Research</i> , 2005, 75, 636-649.	1.6	95
75	Dynamics of pothole growth as defined by field data and geometrical description. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	25
76	Controls on the transition from meandering to straight channels in the wetlands of the Okavango Delta, Botswana. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 1627-1649.	2.5	65
77	Geological controls on alluvial river behaviour: a comparative study of three rivers on the South African Highveld. <i>Journal of African Earth Sciences</i> , 2004, 38, 79-97.	2.0	78
78	Forms and processes of two highly contrasting rivers in arid central Australia, and the implications for channel-pattern discrimination and prediction. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 802.	3.3	71
79	Anabranching in mixed bedrock-alluvial rivers: the example of the Orange River above Augrabies Falls, Northern Cape Province, South Africa. <i>Geomorphology</i> , 2004, 57, 235-262.	2.6	88
80	Incised meanders along the mixed bedrock-alluvial Orange River, Northern Cape Province, South Africa. <i>Zeitschrift für Geomorphologie</i> , 2004, 48, 273-292.	0.8	13
81	THE GEOMORPHOLOGY OF THE NYL RIVER AND FLOODPLAIN IN THE SEMI-ARID NORTHERN PROVINCE, SOUTH AFRICA. <i>Southern African Geographical Journal</i> , 2002, 84, 226-237.	1.8	33
82	Geological controls on the formation of alluvial meanders and floodplain wetlands: the example of the Klip River, eastern Free State, South Africa. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 797-815.	2.5	97
83	The role of vegetation in the formation of anabranching channels in an ephemeral river, Northern plains, arid central Australia. <i>Hydrological Processes</i> , 2000, 14, 3099-3117.	2.6	199
84	Process, form and change in dryland rivers: a review of recent research. <i>Earth-Science Reviews</i> , 2000, 51, 67-107.	9.1	413
85	Downstream changes in dryland river channels: the Northern Plains of arid central Australia. <i>Geomorphology</i> , 2000, 34, 33-54.	2.6	119
86	EQUILIBRIUM AND NONEQUILIBRIUM CONDITIONS IN DRYLAND RIVERS. <i>Physical Geography</i> , 2000, 21, 183-211.	1.4	84
87	Anabranching rivers on the Northern Plains of arid central Australia. <i>Geomorphology</i> , 1999, 29, 211-233.	2.6	112
88	The geomorphology of Australia's fluvial systems: retrospect, perspect and prospect. <i>Progress in Physical Geography</i> , 1995, 19, 35-60.	3.2	28
89	Stability of the pool-riffle sequence in changing river channels. <i>River Research and Applications</i> , 1994, 9, 35-43.	0.8	103
90	Spatial distribution of coarse woody debris dams in the Lymington Basin, Hampshire, UK. <i>Geomorphology</i> , 1993, 6, 207-224.	2.6	52

#	ARTICLE	IF	CITATIONS
91	Long-term flood controls on semi-arid river form: evidence from the Sabie and Olifants rivers, eastern South Africa. Proceedings of the International Association of Hydrological Sciences, 0, 367, 141-146.	1.0	11
92	Morphodynamic simulation of sediment deposition patterns on a recently stripped bedrock anastomosed channel. Proceedings of the International Association of Hydrological Sciences, 0, 377, 51-56.	1.0	7
93	Soil properties across a hydrological gradient in saladas from northeast Spain: what are the implications for soil carbon stocks, CO2 efflux and microbial communities in a warming world?. Wetlands Ecology and Management, 0, , 1.	1.5	1
94	TREES, LARGE WOOD AND STREAMS: USING ARCHIVE SURVEY DATA TO INFORM CHANGING INTERACTIONS IN A HUMAN-IMPACTED LANDSCAPE. Earth Surface Processes and Landforms, 0, , .	2.5	2