

# Christoph Zielhofer

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,998  
citations

304743

22  
h-index

276875

41  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overbank silt-clay deposition and intensive Neolithic land use in a Central European catchment – Coupled or decoupled?. <i>Science of the Total Environment</i> , 2022, 806, 150858.	8.0	10
2	Hydro-sedimentary provenance analyses in the Weiße Elster catchment (Central Germany): The basic dataset. <i>Data in Brief</i> , 2022, 40, 107719.	1.0	2
3	The fluvial architecture of buried floodplain sediments of the Weiße Elster River (Germany) revealed by a novel method combination of drill cores with two-dimensional and spatially resolved geophysical measurements. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 955-976.	2.5	13
4	A hydrological tipping point and onset of Neolithic wetland occupation in Pestenacker (Lech) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	3.0	3
5	The Lower Havel River Region (Brandenburg, Germany): A 230-Year-Long Historical Map Record Indicates a Decrease in Surface Water Areas and Groundwater Levels. <i>Water (Switzerland)</i> , 2022, 14, 480.	2.7	5
6	Large-scale investigations of Neolithic settlement dynamics in Central Germany based on machine learning analysis: A case study from the Weiße Elster river catchment. <i>PLoS ONE</i> , 2022, 17, e0265835.	2.5	3
7	Combined sediment grain size and silici-clastic element ratios represent the provenance signal – A reply to the comment of T. Matys Grygar (2022) on Ballasus et al. (2022). <i>Science of the Total Environment</i> , 2022, 846, 157210.	8.0	1
8	Management of Global Warming Effects in the European Water Framework Directive: Consideration of Social – Ecological System Features in the Elbe River Basin District. <i>Sustainability</i> , 2021, 13, 9111.	3.2	0
9	On the Way to the Fluvial Anthroposphere – Current Limitations and Perspectives of Multidisciplinary Research. <i>Water (Switzerland)</i> , 2021, 13, 2188.	2.7	13
10	High-Resolution Direct Push Sensing in Wetland Geoarchaeology – First Traces of Off-Site Construction Activities at the Fossa Carolina. <i>Remote Sensing</i> , 2021, 13, 4647.	4.0	0
11	Non-invasive prospection techniques and direct push sensing as high-resolution validation tools in wetland geoarchaeology – Artificial water supply at a Carolingian canal in South Germany?. <i>Journal of Applied Geophysics</i> , 2020, 173, 103928.	2.1	11
12	Tree rings reveal dry conditions during Charlemagne’s Fossa Carolina construction in 793 CE. <i>Quaternary Science Reviews</i> , 2020, 227, 106040.	3.0	6
13	792 or 793? Charlemagne’s canal project: craft, nature and memory. <i>Early Medieval Europe</i> , 2020, 28, 444-465.	0.5	5
14	Sediment budgeting of short-term backfilling processes: The erosional collapse of a Carolingian canal construction. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3449-3462.	2.5	3
15	Determining the Pace and Magnitude of Lake Level Changes in Southern Ethiopia Over the Last 20,000 Years Using Lake Balance Modeling and SEBAL. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	18
16	Genesis of magnetic anomalies and magnetic properties of archaeological sediments in floodplain wetlands of the Fossa Carolina. <i>Archaeological Prospection</i> , 2020, 27, 169-180.	2.2	5
17	Preface: Special Issue – Geoarchaeology and past human – environment interactions. <i>E&amp;G Quaternary Science Journal</i> , 2020, 68, 237-240.	0.7	2
18	Stable carbon isotope analysis on fossil <i>Cedrus</i> pollen shows summer aridification in Morocco during the last 5000 years. <i>Journal of Quaternary Science</i> , 2019, 34, 323-332.	2.1	14

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19	Holocene thermokarst dynamics in Central Yakutia – A multi-core and robust grain-size endmember modeling approach. <i>Quaternary Science Reviews</i> , 2019, 218, 10-33.	3.0	21
20	3D-Modelling of Charlemagne’s Summit Canal (Southern Germany) – Merging Remote Sensing and Geoarchaeological Subsurface Data. <i>Remote Sensing</i> , 2019, 11, 1111.	4.0	8
21	Western Mediterranean hydro-climatic consequences of Holocene ice-rafted debris (Bond) events. <i>Climate of the Past</i> , 2019, 15, 463-475.	3.4	45
22	The 4.2‰ ka BP Event in the Mediterranean region: an overview. <i>Climate of the Past</i> , 2019, 15, 555-577.	3.4	129
23	Human demography changes in Morocco and environmental imprint during the Holocene. <i>Holocene</i> , 2019, 29, 816-829.	1.7	20
24	Comparison of time-domain SH waveform inversion strategies based on sequential low and bandpass filtered data for improved resolution in near-surface prospecting. <i>Journal of Applied Geophysics</i> , 2019, 160, 69-83.	2.1	38
25	Distribution of Chernozems and Phaeozems in Central Germany during the Neolithic period. <i>Quaternary International</i> , 2019, 511, 166-184.	1.5	17
26	A multidisciplinary approach in wetland geoarchaeology: Survey of the missing southern canal connection of the Fossa Carolina (SW Germany). <i>Quaternary International</i> , 2018, 473, 3-20.	1.5	16
27	Climate forcing and shifts in water management on the Northwest Arabian Peninsula (mid-Holocene) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>	1.5	14
28	Loess accumulation in the Tian Shan piedmont: Implications for palaeoenvironmental change in arid Central Asia. <i>Quaternary International</i> , 2018, 469, 30-43.	1.5	42
29	Direct push sensing in wetland (geo)archaeology: High-resolution reconstruction of buried canal structures ( Fossa Carolina , Germany). <i>Quaternary International</i> , 2018, 473, 21-36.	1.5	21
30	North Atlantic influence on Holocene flooding in the southern Greater Caucasus. <i>Holocene</i> , 2018, 28, 609-620.	1.7	8
31	The potential of leaf wax biomarkers from fluvial soil-sediment sequences for paleovegetation reconstructions - Upper Alazani River, central southern Greater Caucasus (Georgia). <i>Quaternary Science Reviews</i> , 2018, 196, 62-79.	3.0	16
32	Eemian and post-Eemian fluvial dynamics in the Lesser Caucasus. <i>Quaternary Science Reviews</i> , 2018, 191, 189-203.	3.0	13
33	Shaping pre-modern digital terrain models: The former topography at Charlemagne’s canal construction site. <i>PLoS ONE</i> , 2018, 13, e0200167.	2.5	19
34	Rapid thermokarst evolution during the mid-Holocene in Central Yakutia, Russia. <i>Holocene</i> , 2017, 27, 1899-1913.	1.7	28
35	AMS radiocarbon dating of pollen concentrates in a karstic lake system. <i>Quaternary Geochronology</i> , 2017, 39, 112-123.	1.4	27
36	Atlantic forcing of Western Mediterranean winter rain minima during the last 12,000 years. <i>Quaternary Science Reviews</i> , 2017, 157, 29-51.	3.0	92

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37	Millennial-scale fluctuations in Saharan dust supply across the decline of the African Humid Period. <i>Quaternary Science Reviews</i> , 2017, 171, 119-135.	3.0	53
38	Environmental Drivers of Holocene Forest Development in the Middle Atlas, Morocco. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	32
39	A New Chronology for Rhafas, Northeast Morocco, Spanning the North African Middle Stone Age through to the Neolithic. <i>PLoS ONE</i> , 2016, 11, e0162280.	2.5	30
40	Progress in Quaternary archive studies of the Iberian Peninsula. <i>Quaternary International</i> , 2016, 407, 1-3.	1.5	0
41	Recurring flood distribution patterns related to short-term Holocene climatic variability. <i>Scientific Reports</i> , 2015, 5, 16398.	3.3	88
42	Holocene flooding and climate change in the Mediterranean. <i>Catena</i> , 2015, 130, 13-33.	5.0	152
43	The medieval peat layer of the Fossa Carolina - Evidence for bridging the Central European Watershed or climate control?. <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 189-209.	0.8	8
44	Climatic signals in geomorphological systems: Approaches from aeolian, fluvial, colluvial, periglacial, coastal, and man-made geomorphological systems. <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 1-3.	0.8	1
45	Landscape aridification in Central Germany during the late Weichselian Pleniglacial - results from the Zauschwitz loess site in western Saxony. <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 27-50.	0.8	17
46	Holocene Sediment Dynamics in the Vicinity of a Roman battlefield near Osnabrück (NW-Germany). <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 97-117.	0.8	5
47	Charlemagne's Summit Canal: An Early Medieval Hydro-Engineering Project for Passing the Central European Watershed. <i>PLoS ONE</i> , 2014, 9, e108194.	2.5	15
48	Comment on: "Holocene climate variability in the Levant from the Dead Sea pollen record" by Litt, T., Ohlwein, C., Neumann, F.H., Hense, A., Stein, M. [ <i>Quat. Sci. Rev.</i> 49 (2012) 95-105]. <i>Quaternary Science Reviews</i> , 2013, 59, 112.	3.0	0
49	Fragility of Western Mediterranean landscapes during Holocene Rapid Climate Changes. <i>Catena</i> , 2013, 103, 16-29.	5.0	98
50	Optically Stimulated Luminescence (OSL) dating of sand-filled wedge structures and their fine-grained host sediment from Jönköping, SW France. <i>Boreas</i> , 2013, 42, 317-332.	2.4	7
51	The decline of the early Neolithic population center of 'Ain Ghazal and corresponding earth-surface processes, Jordan Rift Valley. <i>Quaternary Research</i> , 2012, 78, 427-441.	1.7	24
52	"The Fossa Carolina: The First Attempt to Bridge the Central European Watershed" A Review, New Findings, and Geoarchaeological Challenges. <i>Geoarchaeology - an International Journal</i> , 2012, 27, 88-104.	1.5	13
53	Flood frequencies reveal Holocene rapid climate changes (Lower Moulouya River, northeastern Tunisia). <i>Journal of Arid Environments</i> , 2010, 74, 101-110.	2.1	41
54	Regional fire history shows abrupt responses of Mediterranean ecosystems to centennial-scale climate change (Olea-Pistacia woodlands, NE Morocco). <i>Journal of Arid Environments</i> , 2010, 74, 101-110.	2.4	33

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55	Mississippi River discharge over the last ~560,000 years: Indications from X-ray fluorescence core-scanning. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 298, 311-318.	2.3	39
56	The protection potential of soils and post-Jurassic covers against nitrate seepage (Southern Tunisia). <i>Geoderma</i> , 2010, 155, 107-115.	0.8	3
57	Durations of soil formation and soil development indices in a Holocene Mediterranean floodplain. <i>Quaternary International</i> , 2009, 209, 44-65.	1.5	49
58	Heavy metals as indicators for Holocene sediment provenance in a semi-arid Mediterranean catchment in northern Tunisia. <i>Quaternary International</i> , 2008, 189, 129-134.	1.5	25
59	Late Pleistocene and Holocene alluvial archives in the Southwestern Mediterranean: Changes in fluvial dynamics and past human response. <i>Quaternary International</i> , 2008, 181, 39-54.	1.5	83
60	Mid- and Late Holocene fluvial chronology of Tunisia. <i>Quaternary Science Reviews</i> , 2008, 27, 580-588.	3.0	106
61	ACCUMULATION OF SECONDARY CARBONATE EVIDENCE BY ASCENDING CAPILLARY IN MEDITERRANEAN ARGILLIC HORIZONS (CORDOBA, ANDALUSIA, SPAIN). <i>Soil Science</i> , 2008, 173, 350-358.	0.9	8
62	High-resolution fluvial record of late Holocene geomorphic change in northern Tunisia: climatic or human impact?. <i>Quaternary Science Reviews</i> , 2004, 23, 1757-1775.	3.0	120
63	Centennial-scale late-Pleistocene to mid-Holocene synthetic profile of the Medjerda Valley, northern Tunisia. <i>Holocene</i> , 2004, 14, 851-861.	1.7	35
64	Sedimentation and soil formation phases in the Ghardimaou Basin (northern Tunisia) during the Holocene. <i>Quaternary International</i> , 2002, 93-94, 109-125.	1.5	18
65	The Impact of Rapid Climate Change on Prehistoric Societies during the Holocene in the Eastern Mediterranean. <i>Documenta Praehistorica</i> , 0, 36, 7-59.	1.0	161