

Rik Tjallingii

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,926
citations

201674

27
h-index

175258

52
g-index

89
all docs

89
docs citations

89
times ranked

3869
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration of XRF core scanners for quantitative geochemical logging of sediment cores: Theory and application. <i>Earth and Planetary Science Letters</i> , 2008, 274, 423-438.	4.4	561
2	Influence of the water content on X-ray fluorescence core-scanning measurements in soft marine sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	323
3	Coherent high- and low-latitude control of the northwest African hydrological balance. <i>Nature Geoscience</i> , 2008, 1, 670-675.	12.9	233
4	Infilling and flooding of the Mekong River incised valley during deglacial sea-level rise. <i>Quaternary Science Reviews</i> , 2010, 29, 1432-1444.	3.0	119
5	Interhemispheric symmetry of the tropical African rainbelt over the past 23,000 years. <i>Nature Geoscience</i> , 2011, 4, 42-45.	12.9	110
6	High- and low-latitude forcing of the Nile River regime during the Holocene inferred from laminated sediments of the Nile deep-sea fan. <i>Earth and Planetary Science Letters</i> , 2013, 364, 98-110.	4.4	99
7	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015, 133, 49-64.	3.5	99
8	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
9	Modelling the joint variability of grain size and chemical composition in sediments. <i>Sedimentary Geology</i> , 2012, 280, 135-148.	2.1	88
10	Early anthropogenic impact on Western Central African rainforests 2,600 y ago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3261-3266.	7.1	83
11	Mid to late Holocene sea-level reconstruction of Southeast Vietnam using beachrock and beach-ridge deposits. <i>Global and Planetary Change</i> , 2013, 110, 214-222.	3.5	78
12	Current perspectives on the capabilities of high resolution XRF core scanners. <i>Quaternary International</i> , 2019, 514, 5-15.	1.5	54
13	Varve microfacies and varve preservation record of climate change and human impact for the last 6000 years at Lake Tiefer See (NE Germany). <i>Holocene</i> , 2017, 27, 450-464.	1.7	52
14	Rapid flooding of the southern Vietnam shelf during the early to mid-Holocene. <i>Journal of Quaternary Science</i> , 2014, 29, 581-588.	2.1	44
15	Varved sediment responses to early Holocene climate and environmental changes in Lake Meerfelder Maar (Germany) obtained from multivariate analyses of micro X-ray fluorescence core scanning data. <i>Journal of Quaternary Science</i> , 2017, 32, 427-436.	2.1	43
16	Practical guidelines and recent advances in the Itrax XRF core-scanning procedure. <i>Quaternary International</i> , 2019, 514, 16-29.	1.5	39
17	Climate variability in the SW Indian Ocean from an 8000-yr long multi-proxy record in the Mauritian lowlands shows a middle to late Holocene shift from negative IOD-state to ENSO-state. <i>Quaternary Science Reviews</i> , 2014, 86, 175-189.	3.0	38
18	Differential degradation of intact polar and core glycerol dialkyl glycerol tetraether lipids upon post-depositional oxidation. <i>Organic Geochemistry</i> , 2013, 65, 83-93.	1.8	37

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19	Varves of the Dead Sea sedimentary record. <i>Quaternary Science Reviews</i> , 2019, 215, 173-184.	3.0	37
20	Hydroclimatic variability in the Levant during the early last glacial (117-75 ka) derived from micro-facies analyses of deep Dead Sea sediments. <i>Climate of the Past</i> , 2016, 12, 75-90.	3.4	35
21	Sedimentation patterns off the Zambezi River over the last 20,000 years. <i>Marine Geology</i> , 2014, 355, 189-201.	2.1	34
22	Neodymium isotope constraints on provenance, dispersal, and climate-driven supply of Zambezi sediments along the Mozambique Margin during the past 445,000 years. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 181-198.	2.5	32
23	CYROLITHES IN HOLOCENE ESTUARINE INCISED-VALLEY FILL DEPOSITS, OFFSHORE SOUTHERN VIETNAM. <i>Palaios</i> , 2010, 25, 239-246.	1.3	31
24	Constraining the time span between the Early Holocene HÅsseldalen and Askja Tephra through varve counting in the Lake Czechowskie sediment record, Poland. <i>Journal of Quaternary Science</i> , 2016, 31, 103-113.	2.1	31
25	Bioturbational structures record environmental changes in the upwelling area off Vietnam (South) Tj ETQq1 1 0.784314 rgBT /Overlook 256-267.	2.3	30
26	Drivers of river reactivation in North Africa during the last glacial cycle. <i>Nature Geoscience</i> , 2021, 14, 97-103.	12.9	29
27	Winter precipitation changes during the Medieval Climate Anomaly and the Little Ice Age in arid Central Asia. <i>Quaternary Science Reviews</i> , 2017, 178, 24-36.	3.0	27
28	Holocene paleohydrological reconstruction of Lake StrzeszyÅskie (western Poland) and its implications for the central European climatic transition zone. <i>Journal of Paleolimnology</i> , 2018, 59, 443-459.	1.6	27
29	Testing the alkenone D/H ratio as a paleo indicator of sea surface salinity in a coastal ocean margin (Mozambique Channel). <i>Organic Geochemistry</i> , 2015, 78, 62-68.	1.8	25
30	Holocene interaction of maritime and continental climate in Central Europe: New speleothem evidence from Central Germany. <i>Global and Planetary Change</i> , 2019, 176, 144-161.	3.5	23
31	Site-specific sediment responses to climate change during the last 140 years in three varved lakes in Northern Poland. <i>Holocene</i> , 2018, 28, 464-477.	1.7	22
32	Changing flood frequencies under opposing late Pleistocene eastern Mediterranean climates. <i>Scientific Reports</i> , 2018, 8, 8445.	3.3	22
33	A deadly cocktail: How a drought around 4200 cal. yr BP caused mass mortality events at the infamous dodo swamp in Mauritius. <i>Holocene</i> , 2015, 25, 758-771.	1.7	21
34	Increased frequency of torrential rainstorms during a regional late Holocene eastern Mediterranean drought. <i>Quaternary Research</i> , 2018, 89, 425-431.	1.7	21
35	New insights into lake responses to rapid climate change: the Younger Dryas in Lake GoÅciÅ, central Poland. <i>Boreas</i> , 2021, 50, 535-555.	2.4	21
36	Trace metal analysis of sediment cores using a novel X-ray fluorescence core scanning method. <i>Quaternary International</i> , 2019, 514, 55-67.	1.5	20

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37	The sedimentary history of the inner Alpine Inn Valley, Austria: extending the Baumkirchen type section further back in time with new drilling. <i>Journal of Quaternary Science</i> , 2017, 32, 63-79.	2.1	19
38	Disturbance and resilience of a <i>Sphagnum</i> peatland in western Russia (Western Dvina Lakeland) during the last 300 years: A multiproxy, high-resolution study. <i>Holocene</i> , 2020, 30, 1552-1566.	1.7	17
39	Impacts of shore expansion and catchment characteristics on lacustrine thermokarst records in permafrost lowlands, Alaska Arctic Coastal Plain. <i>Arktos</i> , 2016, 2, 1.	1.0	16
40	Eastern Mediterranean volcanism during marine isotope stages 9 to 7e (335â€“235 ka): Insights based on cryptotephra layers at Tenaghi Philippon, Greece. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 380, 31-47.	2.1	16
41	Echo of the Younger Dryas in Holocene Lake Sediments on the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2018, 45, 11,154.	4.0	15
42	Varve microfacies and chronology from a new sediment record of Lake GoÅciÄ (Poland). <i>Quaternary Science Reviews</i> , 2021, 251, 106715.	3.0	15
43	High resolution XRF core scanners: A key tool for the environmental and palaeoclimate sciences. <i>Quaternary International</i> , 2019, 514, 1-4.	1.5	13
44	Loess-Like Dust Appearance at 40ÅMa in Central China. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003993.	2.9	13
45	VARDA (VARved sediments DATabase) â€“ providing and connecting proxy data from annually laminated lake sediments. <i>Earth System Science Data</i> , 2020, 12, 2311-2332.	9.9	12
46	The role of Medieval road operation on cultural landscape transformation. <i>Scientific Reports</i> , 2021, 11, 20876.	3.3	12
47	Hypolimnetic oxygen conditions influence varve preservation and $\delta^{13}C$ of sediment organic matter in Lake Tiefer See, NE Germany. <i>Journal of Paleolimnology</i> , 2019, 62, 181-194.	1.6	11
48	A multi-proxy palaeolimnological record of the last 16,600 years from coastal Lake Kushu in northern Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 514, 613-626.	2.3	11
49	Spontaneous self-combustion of organic-rich lateglacial lake sediments after freeze-drying. <i>Journal of Paleolimnology</i> , 2016, 55, 185-194.	1.6	8
50	Phases of stability during major hydroclimate change ending the Last Glacial in the Levant. <i>Scientific Reports</i> , 2022, 12, 6052.	3.3	8
51	Deoxygenation dynamics on the western Nile deep-sea fan during sapropel S1 from seasonal to millennial timescales. <i>Climate of the Past</i> , 2021, 17, 1025-1050.	3.4	7
52	Seasonal deposition processes and chronology of a varved Holocene lake sediment record from Chatyr Kol lake (Kyrgyz Republic). <i>Geochronology</i> , 2020, 2, 133-154.	2.5	7
53	The unexpectedly short Holocene Humid Period in Northern Arabia. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	7
54	Late Pleistocene sea-level changes and the formation and fill of bent valleys incised into the shelf of the western South China Sea. <i>Journal of Asian Earth Sciences</i> , 2021, 206, 104626.	2.3	5

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55	UV-Spectral Luminescence Scanning: Technical Updates and Calibration Developments. <i>Developments in Paleoenvironmental Research</i> , 2015, , 563-581.	8.0	4
56	Geochemical Characteristics of Sediment in Tropical Lake Sentani, Indonesia, Are Influenced by Spatial Differences in Catchment Geology and Water Column Stratification. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	4
57	Variations in benthic foraminiferal assemblages in the Tagus mud belt during the last 5700 years: Implications for Tagus River discharge. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 225-237.	2.3	3
58	Reply to Giresse et al.: No evidence for climate variability during the late Holocene rainforest crisis in Western Central Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6674-E6675.	7.1	3
59	Reply to Clist et al.: Human activity is the most probable trigger of the late Holocene rainforest crisis in Western Central Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4735-E4736.	7.1	3
60	Reply to comment on Ben Dor Y. et al. "Varves of the Dead Sea sedimentary record." <i>Quaternary Science Reviews</i> 215 (2019): 173-184. <i>Quaternary Science Reviews</i> , 2020, 231, 106063.	3.0	2
61	Orbital and Millennial Scale Variability in Northwest African Dust Emissions Over the Past 67,000 Years. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	2
62	The Reservoir Age Effect Varies With the Mobilization of Pre-Aged Organic Carbon in a High-Altitude Central Asian Catchment. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
63	Lab scale salt caverns – first results on construction and investigation techniques. <i>Advances in Geosciences</i> , 0, 49, 149-154.	12.0	1
64	WHAT CAN DEAD SEA SEDIMENTS TEACH US ON THE IMPACT OF CLIMATE CHANGE ON FLOOD FREQUENCY AND HYDROCLIMATIC VARIABILITY IN THE LEVANT?. , 2020, , .		0