

# Martin Rittner

## List of Publications by Year in descending order

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27  
papers

1,885  
citations

394421

19  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for early life in Earth's oldest hydrothermal vent precipitates. <i>Nature</i> , 2017, 543, 60-64.	27.8	522
2	Loess Plateau storage of Northeastern Tibetan Plateau-derived Yellow River sediment. <i>Nature Communications</i> , 2015, 6, 8511.	12.8	283
3	The provenance of Taklamakan desert sand. <i>Earth and Planetary Science Letters</i> , 2016, 437, 127-137.	4.4	120
4	Quantifying the anisotropy and tortuosity of permeable pathways in clay-rich mudstones using models based on X-ray tomography. <i>Scientific Reports</i> , 2017, 7, 14838.	3.3	97
5	Quaternary dust source variation across the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 435, 254-264.	2.3	96
6	Myanmar and Asia united, Australia left behind long ago. <i>Gondwana Research</i> , 2016, 32, 24-40.	6.0	90
7	Widespread Antarctic glaciation during the Late Eocene. <i>Earth and Planetary Science Letters</i> , 2017, 458, 49-57.	4.4	78
8	Indentation of the Pamirs with respect to the northern margin of Tibet: Constraints from the Tarim basin sedimentary record. <i>Tectonics</i> , 2016, 35, 2345-2369.	2.8	52
9	The Euphrates-Tigris-Karun river system: Provenance, recycling and dispersal of quartz-poor foreland-basin sediments in arid climate. <i>Earth-Science Reviews</i> , 2016, 162, 107-128.	9.1	51
10	Sedimentary processes controlling ultralong cells of littoral transport: Placer formation and termination of the Orange sand highway in southern Angola. <i>Sedimentology</i> , 2018, 65, 431-460.	3.1	50
11	A constant Chinese Loess Plateau dust source since the late Miocene. <i>Quaternary Science Reviews</i> , 2020, 227, 106042.	3.0	46
12	Measuring the "Great Unconformity" on the North China Craton using new detrital zircon age data. <i>Geological Society Special Publication</i> , 2017, 448, 145-159.	1.3	43
13	Dynamic uplift, recycling, and climate control on the petrology of passive-margin sand (Angola). <i>Sedimentary Geology</i> , 2018, 375, 86-104.	2.1	43
14	Provenance evolution of the Jurassic northern Qaidam Basin (West China) and its geological implications: evidence from detrital zircon geochronology. <i>International Journal of Earth Sciences</i> , 2017, 106, 2713-2726.	1.8	42
15	2D mapping of LA-ICPMS trace element distributions using R. <i>Computers and Geosciences</i> , 2012, 42, 152-161.	4.2	38
16	High Throughput Petrochronology and Sedimentary Provenance Analysis by Automated Phase Mapping and LAICPMS. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4096-4109.	2.5	30
17	Tracing Transcontinental Sand Transport: from Anatolia to the Zagros To the Rub' Al Khali Sand Sea. <i>Journal of Sedimentary Research</i> , 2017, 87, 1196-1213.	1.6	30
18	The zircon story of the Nile: Time-structure maps of source rocks and discontinuous propagation of detrital signals. <i>Basin Research</i> , 2018, 30, 1098-1117.	2.7	28

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19	Insights into the provenance of the Chinese Loess Plateau from joint zircon U-Pb and garnet geochemical analysis of last glacial loess. <i>Quaternary Research</i> , 2018, 89, 645-659.	1.7	27
20	Late Triassic tectonic inversion in the upper Yangtze Block: Insights from detrital zircon U-Pb geochronology from south-western Sichuan Basin. <i>Basin Research</i> , 2019, 31, 92-113.	2.7	24
21	Late Jurassic tectonics and sedimentation: breccias in the Unken syncline, central Northern Calcareous Alps. <i>Swiss Journal of Geosciences</i> , 2008, 101, 55-71.	1.2	20
22	LGC-1: A zircon reference material for in-situ (U-Th)/He dating. <i>Chemical Geology</i> , 2017, 454, 80-92.	3.3	20
23	Capabilities of laser ablation ICP-TOF-MS coupling for isotopic analysis of individual uranium micrometric particles. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1892-1902.	3.0	20
24	Middle Jurassic collision of an exotic microcontinental fragment: Implications for magmatism across the Southeast China continental margin. <i>Gondwana Research</i> , 2016, 38, 304-312.	6.0	13
25	A multidisciplinary approach for the quantitative provenance analysis of siltstone: Mesozoic Mandawa Basin, southeastern Tanzania. <i>Geological Society Special Publication</i> , 2020, 484, 275-293.	1.3	12
26	Trace element mapping of high-pressure, high-temperature experimental samples with laser ablation ICP time-of-flight mass spectrometry: Illuminating melt-rock reactions in the lithospheric mantle. <i>Lithos</i> , 2020, 352-353, 105282.	1.4	6
27	Determining erosion rates in Allchar (Macedonia) to revive the Iorandite neutrino experiment. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170470.	2.1	0