

Rolf Kilian

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,454
citations

361413

20
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

2626
citing authors

#	ARTICLE	IF	CITATIONS
1	Element mobility related to rock weathering and soil formation at the westward side of the southernmost Patagonian Andes. <i>Science of the Total Environment</i> , 2022, 817, 152977.	8.0	4
2	High-resolution stalagmite stratigraphy supports the Late Holocene tephrochronology of southernmost Patagonia. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	3
3	Magnetometric Surveys for the Non-Invasive Surface and Subsurface Interpretation of Volcanic Structures in Planetary Exploration, a Case Study of Several Volcanoes in the Iberian Peninsula. <i>Remote Sensing</i> , 2022, 14, 2039.	4.0	2
4	Environmental and coastline changes controlling Holocene carbon accumulation rates in fjords of the western Strait of Magellan region. <i>Continental Shelf Research</i> , 2020, 199, 104101.	1.8	6
5	The Seno Otway pockmark field and its relationship to thermogenic gas occurrence at the western margin of the Magallanes Basin (Chile). <i>Geo-Marine Letters</i> , 2018, 38, 227-240.	1.1	2
6	A 17-year Record of Meteorological Observations Across the Gran Campo Nevado Ice Cap in Southern Patagonia, Chile, Related to Synoptic Weather Types and Climate Modes. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	22
7	Middle to Late Holocene mobilization of DOC-bound Pb and Y in the Magellanic moorlands (53°S) as a function of sea spray fertilization, climate variations and volcanic fallout? A preliminary report. <i>E&G Quaternary Science Journal</i> , 2018, 67, 1-6.	0.7	1
8	Mars MOURA magnetometer demonstration for high-resolution mapping on terrestrial analogues. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 127-142.	1.6	6
9	Chlorophyll-a thin layers in the Magellan fjord system: The role of the water column stratification. <i>Continental Shelf Research</i> , 2016, 124, 1-12.	1.8	22
10	Holocene variations in productivity associated with changes in glacier activity and freshwater flux in the central basin of the Strait of Magellan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 436, 112-122.	2.3	27
11	Magnetic signatures of the orogenic crust of the Patagonian Andes with implication for planetary exploration. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 248, 35-54.	1.9	6
12	Holocene sea-surface temperature variability in the Chilean fjord region. <i>Quaternary Research</i> , 2014, 82, 342-353.	1.7	30
13	Glacial and tectonic control on fjord morphology and sediment deposition in the Magellan region (53°S), Chile. <i>Marine Geology</i> , 2013, 346, 31-46.	2.1	19
14	Holocene denudation rates from the superhumid southernmost Chilean Patagonian Andes (53°S) deduced from lake sediment budgets. <i>Geomorphology</i> , 2013, 187, 135-152.	2.6	15
15	Late Glacial and Holocene Paleogeographical and Paleocological Evolution of the Seno Skyring and Otway Fjord Systems in the Magellan Region. <i>Anales Del Instituto De La Patagonia</i> , 2013, 41, 5-26.	0.1	20
16	A review of Glacial and Holocene paleoclimate records from southernmost Patagonia (49°-55°S). <i>Quaternary Science Reviews</i> , 2012, 53, 1-23.	3.0	179
17	The significance of chemical, isotopic, and detrital components in three coeval stalagmites from the superhumid southernmost Andes (53°S) as high-resolution palaeo-climate proxies. <i>Quaternary Science Reviews</i> , 2011, 30, 443-459.	3.0	61
18	Holocene changes in the position and intensity of the southern westerly wind belt. <i>Nature Geoscience</i> , 2010, 3, 695-699.	12.9	315

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19	Late Pleistocene to Holocene marine transgression and thermohaline control on sediment transport in the western Magellanes fjord system of Chile (53°S). <i>Quaternary International</i> , 2007, 161, 90-107.	1.5	39
20	Glacier inventory of the Gran Campo Nevado Ice Cap in the Southern Andes and glacier changes observed during recent decades. <i>Global and Planetary Change</i> , 2007, 59, 87-100.	3.5	35
21	Palaeoecological constraints on late Glacial and Holocene ice retreat in the Southern Andes (53°S). <i>Global and Planetary Change</i> , 2007, 59, 49-66.	3.5	55
22	Millennium-scale volcanic impact on a superhumid and pristine ecosystem. <i>Geology</i> , 2006, 34, 609.	4.4	48
23	“Little Ice Age” glacier fluctuations, Gran Campo Nevado, southernmost Chile. <i>Holocene</i> , 2005, 15, 20-28.	1.7	81
24	Late-glacial and Holocene vegetation history of the Magellanic rain forest in southwestern Patagonia, Chile. <i>Vegetation History and Archaeobotany</i> , 2004, 13, 249-255.	2.1	39
25	Natural mercury enrichment in a minerogenic fen—evaluation of sources and processes. <i>Journal of Environmental Monitoring</i> , 2004, 6, 466-472.	2.1	24
26	Geochemical constraints on the sources of Southern Chile Trench sediments and their recycling in arc magmas of the Southern Andes. <i>Journal of the Geological Society</i> , 2003, 160, 57-70.	2.1	64
27	Effect of Peat Decomposition and Mass Loss on Historic Mercury Records in Peat Bogs from Patagonia. <i>Environmental Science & Technology</i> , 2003, 37, 32-39.	10.0	94
28	Weather Observations Across the Southern Andes at 53°S. <i>Physical Geography</i> , 2003, 24, 97-119.	1.4	157
29	Holocene peat and lake sediment tephra record from the southernmost Chilean Andes (53-55°S). <i>Andean Geology</i> , 2003, 30, .	0.5	63
30	Elevated mercury accumulation in a peat bog of the Magellanic Moorlands, Chile (53°S) — an anthropogenic signal from the Southern Hemisphere. <i>Earth and Planetary Science Letters</i> , 2002, 201, 609-620.	4.4	92
31	Role of the subducted slab, mantle wedge and continental crust in the generation of adakites from the Andean Austral Volcanic Zone. <i>Contributions To Mineralogy and Petrology</i> , 1996, 123, 263-281.	3.1	923