

Grzegorz Skrzypek

List of Publications by Year in descending order

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68
papers

2,544
citations

218677

26
h-index

197818

49
g-index

74
all docs

74
docs citations

74
times ranked

3436
citing authors

#	ARTICLE	IF	CITATIONS
1	Normalization of measured stable isotopic compositions to isotope reference scales – a review. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3006-3014.	1.5	394
2	Estimation of evaporative loss based on the stable isotope composition of water using Hydrocalculator. <i>Journal of Hydrology</i> , 2015, 523, 781-789.	5.4	157
3	Normalization procedures and reference material selection in stable HCNOS isotope analyses: an overview. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2815-2823.	3.7	146
4	Stable isotope and hydrochemical evolution of groundwater in the semi-arid Hamersley Basin of subtropical northwest Australia. <i>Journal of Hydrology</i> , 2012, 475, 281-293.	5.4	144
5	Deuterium excess variations of rainfall events in a coastal area of South Australia and its relationship with synoptic weather systems and atmospheric moisture sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1123-1138.	3.3	103
6	Assessment of carbonate-phosphoric acid analytical technique performed using GasBench II in continuous flow isotope ratio mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 180-186.	1.5	75
7	Geochemical and hydrological processes controlling groundwater salinity of a large inland wetland of northwest Australia. <i>Chemical Geology</i> , 2013, 357, 164-177.	3.3	73
8	The carbon stable isotopic composition of mosses: A record of temperature variation. <i>Organic Geochemistry</i> , 2007, 38, 1770-1781.	1.8	72
9	Error propagation in normalization of stable isotope data: a Monte Carlo analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2697-2705.	1.5	65
10	Hydrologic control of dissolved organic matter biogeochemistry in pools of a subtropical dryland river. <i>Water Resources Research</i> , 2011, 47, .	4.2	65
11	$\delta^{13}\text{C}$ analyses of calcium carbonate: comparison between the GasBench and elemental analyzer techniques. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2915-2920.	1.5	62
12	Inter-laboratory calibration of new silver orthophosphate comparison materials for the stable oxygen isotope analysis of phosphates. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 579-584.	1.5	60
13	Metals in some dominant vascular plants, mosses, lichens, algae, and the biological soil crust in various types of terrestrial tundra, SW Spitsbergen, Norway. <i>Polar Biology</i> , 2013, 36, 1799-1809.	1.2	56
14	How cold was it for Neanderthals moving to Central Europe during warm phases of the last glaciation?. <i>Quaternary Science Reviews</i> , 2011, 30, 481-487.	3.0	55
15	Stable Isotope Analysis of Saline Water Samples on a Cavity Ring-down Spectroscopy Instrument. <i>Environmental Science & Technology</i> , 2014, 48, 2827-2834.	10.0	55
16	Dissolved organic carbon biolability decreases along with its modernization in fluvial networks in an ancient landscape. <i>Ecology</i> , 2014, 95, 2622-2632.	3.2	53
17	Evaluating recharge to an ephemeral dryland stream using a hydraulic model and water, chloride and isotope mass balance. <i>Journal of Hydrology</i> , 2015, 521, 520-532.	5.4	52
18	Flushing time and storage effects on the accuracy and precision of carbon and oxygen isotope ratios of sample using the Gasbench II technique. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2033-2040.	1.5	51

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19	Diversification of Nitrogen Sources in Various Tundra Vegetation Types in the High Arctic. <i>PLoS ONE</i> , 2015, 10, e0136536.	2.5	42
20	Hydrochemical and stable isotope indicators of pyrite oxidation in carbonate-rich environment; the Hamersley Basin, Western Australia. <i>Journal of Hydrology</i> , 2017, 545, 288-298.	5.4	39
21	Hydrogen, carbon and sulphur isotope ratios in peat: the role of diagenesis and water regimes in reconstruction of past climates. <i>Environmental Chemistry Letters</i> , 2005, 2, 179-183.	16.2	35
22	Occupation dynamics north of the Carpathians and Sudetes during the Weichselian (MIS5d-3): The Lower Silesia (SW Poland) case study. <i>Quaternary International</i> , 2013, 294, 20-40.	1.5	35
23	Preservation of primary stable isotope signatures of peat-forming plants during early decomposition $\delta^{13}C$ observation along an altitudinal transect. <i>Chemical Geology</i> , 2010, 273, 238-249.	3.3	34
24	The use of stable isotopes of oxygen and hydrogen to identify water sources in two hypersaline estuaries with different hydrologic regimes. <i>Marine and Freshwater Research</i> , 2012, 63, 952.	1.3	29
25	Climate in the Western Cordillera of the Central Andes over the last 4300 years. <i>Quaternary Science Reviews</i> , 2014, 99, 60-77.	3.0	28
26	Carbon stable isotope analyses of mosses $\delta^{13}C$ comparisons of bulk organic matter and extracted nitrocellulose. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1453-1458.	2.8	27
27	Impacts of high inter-annual variability of rainfall on a century of extreme hydrologic regime of northwest Australia. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2057-2078.	4.9	27
28	Alluvial ground water influences dissolved organic matter biogeochemistry of pools within intermittent dryland streams. <i>Freshwater Biology</i> , 2016, 61, 1228-1241.	2.4	27
29	Analogous trends in pollen percentages and carbon stable isotope composition of Holocene peat $\delta^{13}C$ Possible interpretation for palaeoclimate studies. <i>Review of Palaeobotany and Palynology</i> , 2009, 156, 507-518.	1.5	26
30	Unravelling sources of solutes in groundwater of an ancient landscape in NW Australia using stable Sr, H and O isotopes. <i>Chemical Geology</i> , 2015, 393-394, 67-78.	3.3	25
31	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 145, 359-375.	2.4	24
32	Sediment lithology and stable isotope composition of organic matter in a core from a cirque in the KrkonoÅ¡e Mountains, Czech Republic. <i>Journal of Paleolimnology</i> , 2010, 43, 609-624.	1.6	23
33	<i>Distichia</i> peat $\delta^{13}C$ A new stable isotope paleoclimate proxy for the Andes. <i>Earth and Planetary Science Letters</i> , 2011, 307, 298-308.	4.4	23
34	Isotopic studies of the Upper and Middle Rio Grande. Part 1 $\delta^{34}S$ Importance of sulfide weathering in the riverine sulfate budget. <i>Chemical Geology</i> , 2015, 411, 323-335.	3.3	23
35	Unique stable isotope signatures of large cyclonic events as a tracer of soil moisture dynamics in the semiarid subtropics. <i>Journal of Hydrology</i> , 2019, 578, 124124.	5.4	22
36	Soil moisture evaporative losses in response to wet-dry cycles in a semiarid climate. <i>Journal of Hydrology</i> , 2020, 590, 125533.	5.4	22

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37	Root-zone moisture replenishment in a native vegetated catchment under Mediterranean climate. <i>Hydrological Processes</i> , 2019, 33, 2394-2407.	2.6	21
38	The altitudinal climatic effect on the stable isotope compositions of Agave and Opuntia in arid environments – A case study at the Big Bend National Park, Texas, USA. <i>Journal of Arid Environments</i> , 2013, 92, 102-112.	2.4	17
39	Groundwater seepage controls salinity in a hydrologically terminal basin of semi-arid northwest Australia. <i>Journal of Hydrology</i> , 2016, 542, 627-636.	5.4	17
40	A strategy for selection of reference materials in stable oxygen isotope analyses of solid materials. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1625-1630.	1.5	16
41	Isotopic studies of the Upper and Middle Rio Grande. Part 2 – Salt loads and human impacts in south New Mexico and west Texas. <i>Chemical Geology</i> , 2015, 411, 336-350.	3.3	15
42	Stable isotope studies of moss sulfur and sulfate from bog surface waters. <i>Geochemical Journal</i> , 2008, 42, 481-492.	1.0	14
43	Reassessment of recommendations for processing mammal phosphate $\delta^{18}\text{O}$ data for paleotemperature reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 446, 162-167.	2.3	14
44	Model-based analysis of $\delta^{34}\text{S}$ signatures to trace sedimentary pyrite oxidation during managed aquifer recharge in a heterogeneous aquifer. <i>Journal of Hydrology</i> , 2017, 548, 368-381.	5.4	14
45	Paleoenvironmental and paleohydrochemical conditions of dolomite formation within a saline wetland in arid northwest Australia. <i>Quaternary Science Reviews</i> , 2018, 185, 172-188.	3.0	14
46	Electron paramagnetic resonance (EPR) and stable isotope records of paleoenvironmental conditions during peat formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 1311-1316.	3.9	13
47	Multi-seasonal pattern in 5-year record of stable H, O and S isotope compositions of precipitation (Wrocław, SW Poland). <i>Atmospheric Environment</i> , 2017, 158, 197-210.	4.1	13
48	Geomorphic and hydrological controls on groundwater dolomite formation in the semi-arid Hamersley Basin, northwest Australia. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2752-2770.	2.5	12
49	Composition of Seagrass Root Associated Bacterial Communities Are Linked to Nutrients and Heavy Metal Concentrations in an Anthropogenically Influenced Estuary. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	11
50	Interpreting vegetation change in tropical arid ecosystems from sediment molecular fossils and their stable isotope compositions: A baseline study from the Pilbara region of northwest Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 459, 495-507.	2.3	10
51	Response of leaf stable carbon isotope composition to temporal and spatial variabilities of aridity index on two opposite hillslopes in a native vegetated catchment. <i>Journal of Hydrology</i> , 2017, 553, 214-223.	5.4	10
52	Diel cycles of $\delta^{13}\text{C}_{\text{DIC}}$ and ecosystem metabolism in ephemeral dryland streams. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	10
53	Recalculation of stable isotope expressions for HCNOS: EasyIsoCalculator. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8892.	1.5	9
54	Assessing Temporal Changes in Groundwater Recharge Using Spatial Variations in Groundwater Ages. <i>Water Resources Research</i> , 2020, 56, e2020WR027240.	4.2	7

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55	Comparisons of stable isotope composition among tissues of green turtles. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8839.	1.5	7
56	Sharing menus and kids' specials: Inter- and intraspecific differences in stable isotope niches between sympatrically breeding storm-petrels. <i>Science of the Total Environment</i> , 2020, 728, 138768.	8.0	6
57	New Ag ₃ PO ₄ comparison material for stable oxygen isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9101.	1.5	6
58	Methane seeps following Early Permian (Sakmarian) deglaciation, interior East Gondwana, Western Australia: Multiphase carbonate cements, distinct carbon-isotope signatures, extraordinary biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 591, 110862.	2.3	6
59	Between boreal Siberia and arid Central Asia – Stable isotope hydrology and water budget of Burabay National Nature Park ecotone (Northern Kazakhstan). <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100644.	2.4	5
60	Absolute isotope ratios defining isotope scales used in isotope ratio mass spectrometers and optical isotope instruments. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8890.	1.5	5
61	Hydrology and pool morphology shape the trophic base of macroinvertebrate assemblages in ephemeral stream pools. <i>Freshwater Science</i> , 2020, 39, 461-475.	1.8	4
62	Birds of a feather moult together: Differences in moulting distribution of four species of storm-petrels. <i>PLoS ONE</i> , 2021, 16, e0245756.	2.5	4
63	Thermal anomaly and water origin in Weebubbie Cave, Nullarbor Karst Plain, Australia. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100793.	2.4	3
64	Gamma-ray irradiation of common biological samples for stable carbon and nitrogen isotope and elemental analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9173.	1.5	3
65	Reference materials selection for the stable carbon isotope analysis of dissolved carbon using a wet oxidation system. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 473-481.	1.5	2
66	Philip J. H. Dunn, Jim F. Carter (Eds.): Good practice guide for isotope ratio mass spectrometry, 2nd ed.. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 965-966.	3.7	1
67	Reply to the comment by A. Sandez et al. on ‘Climate in the Western Cordillera of the Central Andes over the last 4300 years’ by Engel et al. (2014). <i>Quaternary Science Reviews</i> , 2015, 109, 128-130.	3.0	0
68	Topographical influences on foliar nitrogen concentration and stable isotope composition in a Mediterranean-climate catchment. <i>Ecological Informatics</i> , 2022, 68, 101569.	5.2	0