

Jan C Scholten

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5717487/publications.pdf>

Version: 2024-02-01

54
papers

2,358
citations

257450

24
h-index

206112

48
g-index

70
all docs

70
docs citations

70
times ranked

2691
citing authors

#	ARTICLE	IF	CITATIONS
1	No freshwater-filled glacial Arctic Ocean. <i>Nature</i> , 2022, 602, E1-E3.	27.8	7
2	Use of ²²³ Ra and ²²⁴ Ra as chronometers to estimate the residence time of Amazon waters on the Brazilian continental shelf. <i>Limnology and Oceanography</i> , 2022, 67, 753-767.	3.1	4
3	Phosphorous Supply to a Eutrophic Artificial Lake: Sedimentary versus Groundwater Sources. <i>Water (Switzerland)</i> , 2021, 13, 563.	2.7	6
4	Natural Radionuclides as Aquatic Tracers in the Terrestrial and the Coastal/Marine Environment. <i>Water (Switzerland)</i> , 2021, 13, 742.	2.7	1
5	Defining a biogeochemical baseline for sediments at Carbon Capture and Storage (CCS) sites: An example from the North Sea (Goldeneye). <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103265.	4.6	11
6	A State-Of-The-Art Perspective on the Characterization of Subterranean Estuaries at the Regional Scale. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	20
7	Radium isotopes as submarine groundwater discharge (SGD) tracers: Review and recommendations. <i>Earth-Science Reviews</i> , 2021, 220, 103681.	9.1	51
8	Carbon and alkalinity outwelling across the groundwater-creek-shelf continuum off Amazonian mangroves. <i>Limnology and Oceanography Letters</i> , 2021, 6, 369-378.	3.9	26
9	A Multi-Tracer Study of Fresh Water Sources for a Temperate Urbanized Coastal Bay (Southern Baltic) Tj ETQq1 1 0,784314 rgBT /Ove	3.3	12
10	Unprecedented Fe delivery from the Congo River margin to the South Atlantic Gyre. <i>Nature Communications</i> , 2020, 11, 556.	12.8	25
11	Marine radioactivity analysis. , 2020, , 315-392.		0
12	Complex Eyed Pockmarks and Submarine Groundwater Discharge Revealed by Acoustic Data and Sediment Cores in Eckernförde Bay, SW Baltic Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008825.	2.5	22
13	Submarine groundwater discharge site in the First Salpausselkä ice-marginal formation, south Finland. <i>Solid Earth</i> , 2019, 10, 405-423.	2.8	25
14	Controls on redox-sensitive trace metals in the Mauritanian oxygen minimum zone. <i>Biogeosciences</i> , 2019, 16, 4157-4182.	3.3	18
15	Sources, Degradation, and Transport of Organic Matter in the New Britain Shelf-Trench Continuum, Papua New Guinea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1680-1695.	3.0	22
16	On the use of MnO ₂ cartridges for the plutonium determination in seawater. <i>Journal of Environmental Radioactivity</i> , 2019, 204, 66-75.	1.7	2
17	Improved Approach for the Investigation of Submarine Groundwater Discharge by Means of Radon Mapping and Radon Mass Balancing. <i>Water (Switzerland)</i> , 2019, 11, 749.	2.7	24
18	Benthic fluxes of trace metals in the Chukchi Sea and their transport into the Arctic Ocean. <i>Marine Chemistry</i> , 2019, 208, 43-55.	2.3	45

#	ARTICLE	IF	CITATIONS
19	Coupling Endâ€Member Mixing Analysis and Isotope Mass Balancing (^{222}Rn) for Differentiation of Fresh and Recirculated Submarine Groundwater Discharge Into Knysna Estuary, South Africa. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 952-970.	2.6	33
20	Preparation of MnO ₂ coated fibers for gamma spectrometric measurements - A comparison of four practical approaches. <i>Journal of Environmental Radioactivity</i> , 2018, 189, 197-201.	1.7	6
21	Assessing landâ€ocean connectivity via submarine groundwater discharge (SGD) in the Ria Formosa Lagoon (Portugal): combining radon measurements and stable isotope hydrology. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3077-3098.	4.9	43
22	The effect of long-term and decadal climate and hydrology variations on estuarine marsh dynamics: An identifying case study from the RÃo de la Plata. <i>Geomorphology</i> , 2016, 269, 122-132.	2.6	23
23	Retention and fate of groundwater-borne nitrogen in a coastal bay (Kinvara Bay, Western Ireland) during summer. <i>Biogeochemistry</i> , 2015, 125, 275-299.	3.5	35
24	A GIS typology to locate sites of submarine groundwater discharge. <i>Journal of Environmental Radioactivity</i> , 2015, 145, 10-18.	1.7	12
25	Submarine Groundwater Discharge at a Single Spot Location: Evaluation of Different Detection Approaches. <i>Water (Switzerland)</i> , 2014, 6, 584-601.	2.7	46
26	^{226}Ra measurements through gamma spectrometric counting of radon progenies: How significant is the loss of radon?. <i>Marine Chemistry</i> , 2013, 156, 146-152.	2.3	26
27	Inter-comparison of radium analysis in coastal sea water of the Asian region. <i>Marine Chemistry</i> , 2013, 156, 138-145.	2.3	10
28	GEOTRACES radium isotopes interlaboratory comparison experiment. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 451-463.	2.0	24
29	Intercalibration of selected anthropogenic radionuclides for the GEOTRACES Program. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 590-607.	2.0	5
30	Marine Radioactivity Analysis. , 2012, , 769-832.		4
31	Late Holocene intermediate water variability in the northeastern Atlantic as recorded by deep-sea corals. <i>Earth and Planetary Science Letters</i> , 2012, 313-314, 34-44.	4.4	35
32	Carbonate recrystallisation and organic matter maturation in heat-affected sediments from the Shaban Deep, Red Sea. <i>Chemical Geology</i> , 2011, 280, 126-143.	3.3	8
33	Preparation of Mn-fiber standards for the efficiency calibration of the delayed coincidence counting system (RaDeCC). <i>Marine Chemistry</i> , 2010, 121, 206-214.	2.3	29
34	Underwater in situ measurements of radionuclides in selected submarine groundwater springs, Mediterranean Sea. <i>Radiation Protection Dosimetry</i> , 2010, 142, 273-281.	0.8	27
35	Sediment accumulation rates in subpolar fjords â€ Impact of post-Little Ice Age glaciers retreat, Billefjorden, Svalbard. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 85, 345-356.	2.1	79
36	Modern sediments and sediment accumulation rates on the narrow shelf off central Vietnam, South China Sea. <i>Geo-Marine Letters</i> , 2009, 29, 47-59.	1.1	27

#	ARTICLE	IF	CITATIONS
37	Marine Chemistry special issue: The renaissance of radium isotopic tracers in marine processes studies. <i>Marine Chemistry</i> , 2008, 109, 185-187.	2.3	15
38	Hydrothermal sediment alteration at a seafloor vent field: Grimsey Graben, Tj�rnnes Fracture Zone, north of Iceland. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
39	Advection and scavenging: Effects on ²³⁰ Th and ²³¹ Pa distribution off Southwest Africa. <i>Earth and Planetary Science Letters</i> , 2008, 271, 159-169.	4.4	48
40	Contribution of ²³⁰ Th measurements to the estimation of the abyssal circulation. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 557-585.	1.4	20
41	Mineralogy and geochemistry of clay samples from active hydrothermal vents off the north coast of Iceland. <i>Marine Geology</i> , 2006, 225, 177-190.	2.1	19
42	Quantifying submarine groundwater discharge in the coastal zone via multiple methods. <i>Science of the Total Environment</i> , 2006, 367, 498-543.	8.0	791
43	Occurrence of kaolinite and mixed-layer kaolinite/smectite in hydrothermal sediments of Grimsey Graben, Tj�rnnes Fracture Zone (north of Iceland). <i>Marine Geology</i> , 2005, 215, 159-170.	2.1	12
44	²³¹ Pa and ²³⁰ Th in surface sediments of the Arctic Ocean: Implications for ²³¹ Pa/ ²³⁰ Th fractionation, boundary scavenging, and advective export. <i>Earth and Planetary Science Letters</i> , 2005, 234, 235-248.	4.4	35
45	Ladolam Gold Deposit, Lihir Island, Papua New Guinea <subtitle>Gold Mineralization Hosted by Alkaline Rocks</subtitle>. , 2002, , .		2
46	Spatial and temporal variability of particle flux at the N.W. European continental margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 3083-3106.	1.4	25
47	Recycling of manganese from anoxic sediments in stagnant basins by seawater inflow: a study of surface sediments from the Gotland Basin, Baltic Sea. <i>Marine Geology</i> , 2001, 177, 151-166.	2.1	48
48	First observations of high-temperature submarine hydrothermal vents and massive anhydrite deposits off the north coast of Iceland. <i>Marine Geology</i> , 2001, 177, 199-220.	2.1	92
49	Indication for Supernova Produced ⁶⁰ Fe Activity on Earth. <i>Physical Review Letters</i> , 1999, 83, 18-21.	7.8	160
50	²³⁰ Th in the eastern North Atlantic: the importance of water mass ventilation in the balance of ²³⁰ Th. <i>Earth and Planetary Science Letters</i> , 1998, 156, 61-74.	4.4	67
51	²²⁸ Ra as a tracer for shelf water in the arctic ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 1533-1553.	1.4	68
52	Geochemistry of hydrothermal manganese deposits from the Pitcairn Island hotspot, southeastern Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5011-5029.	3.9	54
53	Growth history of a hydrothermal silica chimney from the Mariana backarc spreading center (southwest Pacific, 18�13�N). <i>Chemical Geology</i> , 1994, 113, 273-296.	3.3	43
54	High resolution ²³⁰ Thex stratigraphy of sediments from high-latitude areas (Norwegian Sea, Fram) Tj ETQq0 0 0 rgBT./Overlock 10 Tf 50	4.4	25