Willard Moore

List of Publications by Year
in descending order

225 papers	19,419 citations	9254 74 h-index	12933 131 g-index
231 all docs	231 docs citations	231 times ranked	7397 citing authors

#	Article	IF	Citations
1	Large groundwater inputs to coastal waters revealed by 226Ra enrichments. Nature, 1996, 380, 612-614.	13.7	926
2	The subterranean estuary: a reaction zone of ground water and sea water. Marine Chemistry, 1999, 65, 111-125.	0.9	838
3	Groundwater and pore water inputs to the coastal zone. Biogeochemistry, 2003, 66, 3-33.	1.7	824
4	Quantifying submarine groundwater discharge in the coastal zone via multiple methods. Science of the Total Environment, 2006, 367, 498-543.	3.9	791
5	The Effect of Submarine Groundwater Discharge on the Ocean. Annual Review of Marine Science, 2010, 2, 59-88.	5.1	700
6	Major ion chemistry of the Ganga-Brahmaputra river system: Weathering processes and fluxes to the Bay of Bengal. Geochimica Et Cosmochimica Acta, 1989, 53, 997-1009.	1.6	575
7	Measurement of223Ra and224Ra in coastal waters using a delayed coincidence counter. Journal of Geophysical Research, 1996, 101, 1321-1329.	3.3	499
8	Submarine groundwater discharge revealed by 228Ra distribution in the upperÂAtlantic Ocean. Nature Geoscience, 2008, 1, 309-311.	5.4	272
9	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	1.4	257
10	Determining coastal mixing rates using radium isotopes. Continental Shelf Research, 2000, 20, 1993-2007.	0.9	250
11	Extraction of radium from natural waters using manganese-impregnated acrylic fibers. Journal of Geophysical Research, 1973, 78, 8880-8886.	3.3	248
12	Global estimate of submarine groundwater discharge based on an observationally constrained radium isotope model. Geophysical Research Letters, 2014, 41, 8438-8444.	1.5	236
13	High fluxes of radium and barium from the mouth of the Ganges-Brahmaputra River during low river discharge suggest a large groundwater source. Earth and Planetary Science Letters, 1997, 150, 141-150.	1.8	233
14	Submarine groundwater discharge: A large, previously unrecognized source of dissolved iron to the South Atlantic Ocean. Marine Chemistry, 2006, 102, 252-266.	0.9	215
15	Marsh nutrient export supplied by groundwater discharge: Evidence from radium measurements. Global Biogeochemical Cycles, 2000, 14, 167-176.	1.9	214
16	Subaqueous delta of the Ganges-Brahmaputra river system. Marine Geology, 1997, 144, 81-96.	0.9	210
17	Submarine groundwater discharge: An important source of new inorganic nitrogen to coral reef ecosystems. Limnology and Oceanography, 2006, 51, 343-348.	1.6	204
18	Using the radium quartet for evaluating groundwater input and water exchange in salt marshes. Geochimica Et Cosmochimica Acta, 1996, 60, 4645-4652.	1.6	202

#	Article	IF	Citations
19	Estimates of flushing times, submarine groundwater discharge, and nutrient fluxes to Okatee Estuary, South Carolina. Journal of Geophysical Research, 2006, 111, .	3.3	201
20	Sources and fluxes of submarine groundwater discharge delineated by radium isotopes. Biogeochemistry, 2003, 66, 75-93.	1.7	197
21	Radium isotope measurements using germanium detectors. Nuclear Instruments & Methods in Physics Research, 1984, 223, 407-411.	0.9	191
22	Shelf sedimentation off the Ganges-Brahmaputra river system: Evidence for sediment bypassing to the Bengal fan. Geology, 1989, 17, 1132.	2.0	182
23	Fifteen years experience in measuring 224Ra and 223Ra by delayed-coincidence counting. Marine Chemistry, 2008, 109, 188-197.	0.9	176
24	The flux of barium to the coastal waters of the southeastern USA: the importance of submarine groundwater discharge. Geochimica Et Cosmochimica Acta, 1998, 62, 3047-3054.	1.6	172
25	Ages of continental shelf waters determined from 223 Ra and 224 Ra. Journal of Geophysical Research, 2000, 105, 22117-22122.	3.3	170
26	Radon and radium isotopes as tracers of submarine groundwater discharge â€“ Results from the Ubatuba, Brazil SGD assessment intercomparison. Estuarine, Coastal and Shelf Science, 2008, 76, 501-511.	0.9	164
27	The geochemistry of dissolved inorganic carbon in a surficial groundwater aquifer in North Inlet, South Carolina, and the carbon fluxes to the coastal ocean. Geochimica Et Cosmochimica Acta, 2003, 67, 631-639.	1.6	163
28	Mechanism of transport of U-Th series radioisotopes from solids into ground water. Geochimica Et Cosmochimica Acta, 1984, 48, 395-399.	1.6	158
29	The relationship between vertical eddy diffusion and buoyancy gradient in the deep sea. Earth and Planetary Science Letters, 1976, 32, 357-370.	1.8	152
30	Measurement of224Ra and226Ra Activities in Natural Waters Using a Radon-in-Air Monitor. Environmental Science & Technology, 2001, 35, 4680-4683.	4.6	148
31	Sampling 228Ra in the deep ocean. Deep Sea Research and Oceanographic Abstracts, 1976, 23, 647-651.	0.3	147
32	Chemistry of uranium, thorium, and radium isotopes in the Ganga-Brahmaputra river system: Weathering processes and fluxes to the Bay of Bengal. Geochimica Et Cosmochimica Acta, 1990, 54, 1387-1396.	1.6	142
33	and in the mixing zones of the Mississippi and Atchafalaya Rivers: indicators of groundwater input. Marine Chemistry, 1999, 64, 129-152.	0.9	139
34	Using multiple geochemical tracers to characterize the hydrogeology of the submarine spring off Crescent Beach, Florida. Chemical Geology, 2001, 179, 187-202.	1.4	139
35	Amazon and Mississippi river concentrations of uranium, thorium, and radium isotopes. Earth and Planetary Science Letters, 1967, 2, 231-234.	1.8	127
36	Submarine groundwater discharge. Nature, 1996, 382, 121-122.	13.7	123

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37	Uranium and thorium series inequilibrium in sea water. Journal of Geophysical Research, 1964, 69, 5401-5405.	3.3	121
38	Sedimentation and bioturbation in a salt marsh as revealed by ²¹⁰Pb, ¹³⁷Cs, and ⁷Be studies12. Limnology and Oceanography, 1987, 32, 313-326.	1.6	117
39	Microbially mediated manganese oxidation in a freshwater lake1. Limnology and Oceanography, 1982, 27, 1004-1014.	1.6	116
40	.gamma.-Ray spectrometry for determination of radium-228 and radium-226 in natural waters. Analytical Chemistry, 1981, 53, 1885-1889.	3.2	110
41	Ground water geochemistry of 228Ra, 226Ra and 222Rn. Geochimica Et Cosmochimica Acta, 1982, 46, 1173-1182.	1.6	109
42	Distribution and flux of ²²⁶Ra and ²²⁸Ra in the Amazon River estuary. Journal of Geophysical Research, 1985, 90, 6995-7004.	3.3	109
43	Distribution of 223Ra and 224Ra in the plumes of the Mississippi and Atchafalaya Rivers and the Gulf of Mexico. Marine Chemistry, 2004, 86, 105-119.	0.9	108
44	Assessing methodologies for measuring groundwater discharge to the ocean. Eos, 2002, 83, 117.	0.1	105
45	Radiochemical constraints on the crustal residence time of submarine hydrothermal fluids: Endeavour Ridge. Geochimica Et Cosmochimica Acta, 1988, 52, 659-668.	1.6	104
46	Hydrothermal manganese crusts from two sites near the Galapagos spreading axis. Earth and Planetary Science Letters, 1976, 29, 349-356.	1.8	103
47	Advective flow through the upper continental shelf driven by storms, buoyancy, and submarine groundwater discharge. Earth and Planetary Science Letters, 2005, 235, 564-576.	1.8	102
48	The role of the Ganges-Brahmaputra mixing zone in supplying barium and226Ra to the Bay of Bengal. Geochimica Et Cosmochimica Acta, 1993, 57, 2981-2990.	1.6	101
49	Radium-based pore water fluxes of silica, alkalinity, manganese, DOC, and uranium: A decade of studies in the German Wadden Sea. Geochimica Et Cosmochimica Acta, 2011, 75, 6535-6555.	1.6	99
50	Submarine groundwater discharge of nutrients to the ocean along a coastal lagoon barrier, Southern Brazil. Marine Chemistry, 2007, 106, 546-561.	0.9	97
51	226Ra behavior in the Pee Dee River-Winyah Bay estuary. Earth and Planetary Science Letters, 1980, 48, 239-249.	1.8	96
52	Oxygen and nitrate new production and remineralization in the North Atlantic subtropical gyre. Journal of Geophysical Research, 1990, 95, 18303-18315.	3.3	96
53	Oceanic concentrations of228Radium. Earth and Planetary Science Letters, 1969, 6, 437-446.	1.8	95
54	Techniques for precise mapping of ²²⁶Ra and ²²⁸Ra in the ocean. Journal of Geophysical Research, 1985, 90, 6983-6994.	3.3	95

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55	Sea Level Events and Pleistocene Coral Ages in the Northern Bahamas. Quaternary Research, 1975, 5, 215-224.	1.0	92
56	Measurement of Ra²²⁸and Th²²⁸in sea water. Journal of Geophysical Research, 1969, 74, 694-704.	3.3	91
57	Geothermal springs of the West Florida continental shelf: Evidence for dolomitization and radionuclide enrichment. Earth and Planetary Science Letters, 1981, 52, 345-354.	1.8	91
58	Submarine groundwater discharge estimation in an urbanized embayment in Hong Kong via short-lived radium isotopes and its implication of nutrient loadings and primary production. Marine Pollution Bulletin, 2014, 82, 144-154.	2.3	91
59	Salt marsh submarine groundwater discharge as traced by radium isotopes. Marine Chemistry, 2003, 84, 113-121.	0.9	89
60	Radium isotopes as tracers of submarine groundwater discharge in Sicily. Continental Shelf Research, 2006, 26, 852-861.	0.9	89
61	Chemical signals from submarine fluid advection onto the continental shelf. Journal of Geophysical Research, 1998, 103, 21543-21552.	3.3	88
62	The role of submarine groundwater discharge in coastal biogeochemistry. Journal of Geochemical Exploration, 2006, 88, 389-393.	1.5	88
63	Estimation of submarine groundwater discharge and associated nutrient fluxes in Tolo Harbour, Hong Kong. Science of the Total Environment, 2012, 433, 427-433.	3.9	87
64	Radium and thorium isotopes in the surface waters of the East Pacific and coastal Southern California. Earth and Planetary Science Letters, 1978, 39, 235-249.	1.8	86
65	Fluxes of metals to a manganese nodule radiochemical, chemical, structural, and mineralogical studies. Earth and Planetary Science Letters, 1981, 52, 151-171.	1.8	86
66	Using radium isotopes to estimate the residence time and the contribution of submarine groundwater discharge (SGD) in the Changjiang effluent plume, East China Sea. Continental Shelf Research, 2012, 35, 95-107.	0.9	85
67	Tracing the Amazon component of surface Atlantic water using ²²⁸Ra, salinity and silica. Journal of Geophysical Research, 1986, 91, 2574-2580.	3.3	83
68	Role of glacial Arctic Ocean ice sheets in Pleistocene oxygen isotope and sea level records. Earth and Planetary Science Letters, 1981, 56, 157-166.	1.8	82
69	Radium isotopes in coastal waters on the Amazon shelf. Geochimica Et Cosmochimica Acta, 1995, 59, 4285-4298.	1.6	82
70	Net subterranean estuarine export fluxes of dissolved inorganic C, N, P, Si, and total alkalinity into the Jiulong River estuary, China. Geochimica Et Cosmochimica Acta, 2015, 149, 103-114.	1.6	82
71	Fluxes and behavior of radium isotopes, barium, and uranium in seven Southeastern US rivers and estuaries. Marine Chemistry, 2008, 108, 236-254.	0.9	81
72	The Transpolar Drift as a Source of Riverine and Shelfâ€Derived Trace Elements to the Central Arctic Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015920.	1.0	80

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73	An examination of groundwater discharge and the associated nutrient fluxes into the estuaries of eastern Hainan Island, China using 226Ra. Science of the Total Environment, 2011, 409, 3909-3918.	3.9	79
74	Suspended sediment distribution and residual transport in the coastal ocean off the Ganges-Brahmaputra river mouth. Marine Geology, 1994, 120, 41-61.	0.9	78
75	Using Ra isotopes to examine transport processes controlling benthic fluxes into a shallow estuarine lagoon. Geochimica Et Cosmochimica Acta, 2000, 64, 3685-3699.	1.6	78
76	The thorium isotope content of ocean water. Earth and Planetary Science Letters, 1981, 53, 419-426.	1.8	75
77	Trace metal enrichments in waters of the Gulf of Cadiz, Spain. Geochimica Et Cosmochimica Acta, 1991, 55, 2173-2191.	1.6	75
78	Characterisation of submarine groundwater discharge offshore south-eastern Sicily. Journal of Environmental Radioactivity, 2006, 89, 81-101.	0.9	74
79	Correlation of 210Pb removal with organic carbon fluxes in the Pacific Ocean. Nature, 1988, 331, 339-341.	13.7	73
80	The effect of fiddler crab burrowing on sediment mixing and radionuclide profiles along a topographic gradient in a southeastern salt marsh. Journal of Marine Research, 2003, 61, 359-390.	0.3	73
81	Groundwater controls ecological zonation of salt marsh macrophytes. Ecology, 2015, 96, 840-849.	1.5	73
82	Thermal evidence of water exchange through a coastal aquifer: Implications for nutrient fluxes. Geophysical Research Letters, 2002, 29, 49-1-49-4.	1.5	72
83	Increased fluxes of shelf-derived materials to the central Arctic Ocean. Science Advances, 2018, 4, eaao1302.	4.7	72
84	Chapter 5 Uranium- and Thorium-Series Nuclides as Tracers of Submarine Groundwater Discharge. Radioactivity in the Environment, 2008, , 155-191.	0.2	71
85	Fluxes of uranium and thorium series isotopes in the Santa Barbara Basin. Earth and Planetary Science Letters, 1981, 53, 391-399.	1.8	70
86	Radium isotopes in the Chesapeake Bay. Estuarine, Coastal and Shelf Science, 1981, 12, 713-723.	0.9	70
87	Isotope tracing of submarine groundwater discharge offshore Ubatuba, Brazil: results of the IAEAâ€“UNESCO SGD project. Journal of Environmental Radioactivity, 2008, 99, 1596-1610.	0.9	70
88	Radium isotope distributions during the US GEOTRACES North Atlantic cruises. Marine Chemistry, 2015, 177, 184-195.	0.9	68
89	Characterizing sources of groundwater to a tropical coastal lagoon in a karstic area using radium isotopes and water chemistry. Marine Chemistry, 2008, 109, 377-394.	0.9	67
90	Input, composition, and potential impact of terrigenous material from free-drifting icebergs in the Weddell Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1376-1383.	0.6	67

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91	Dynamics of submarine groundwater discharge and associated fluxes of dissolved nutrients, carbon, and trace gases to the coastal zone (Okatee River estuary, South Carolina). Geochimica Et Cosmochimica Acta, 2014, 131, 81-97.	1.6	67
92	â€˜Anchialineâ€™ redefined as a subterranean estuary in a crevicular or cavernous geological setting. Journal of Crustacean Biology, 2015, 35, 511-514.	0.3	66
93	224Ra:228Th disequilibrium in coastal sediments: Implications for solute transfer across the sedimentâ€“water interface. Geochimica Et Cosmochimica Acta, 2014, 125, 68-84.	1.6	65
94	A clue regarding the origin of rock varnish. Geophysical Research Letters, 1999, 26, 103-106.	1.5	64
95	Isotopic, geophysical and biogeochemical investigation of submarine groundwater discharge: IAEA-UNESCO intercomparison exercise at Mauritius Island. Journal of Environmental Radioactivity, 2012, 104, 24-45.	0.9	62
96	224Ra,228Ra, and226Ra in Winyah Bay and Delaware Bay. Earth and Planetary Science Letters, 1983, 64, 430-436.	1.8	61
97	226Ra and 228Ra in the mixing zones of the Pee Dee River-Winyah Bay, Yangtze River and Delaware Bay Estuaries. Estuarine, Coastal and Shelf Science, 1984, 18, 601-613.	0.9	61
98	Surface Water and Groundwater Interactions in Salt Marshes and Their Impact on Plant Ecology and Coastal Biogeochemistry. Reviews of Geophysics, 2022, 60, .	9.0	61
99	Mass wasting, ephemeral fluid flow, and barite deposition on the California continental margin. Geology, 2000, 28, 315.	2.0	60
100	A reevaluation of submarine groundwater discharge along the southeastern coast of North America. Global Biogeochemical Cycles, 2010, 24, .	1.9	60
101	Radium isotopes in the Orinoco estuary and eastern Caribbean Sea. Journal of Geophysical Research, 1993, 98, 2233-2244.	3.3	59
102	Assessment of groundwater discharges into West Neck Bay, New York, via natural tracers. Continental Shelf Research, 2006, 26, 1971-1983.	0.9	59
103	A new perspective on coastal hypoxia: The role of saline groundwater. Marine Chemistry, 2016, 179, 1-11.	0.9	59
104	Radionuclide tracers of sediment-water interactions on the Amazon shelf. Continental Shelf Research, 1996, 16, 645-665.	0.9	58
105	Seasonal distribution and flux of radium isotopes on the southeastern U.S. continental shelf. Journal of Geophysical Research, 2007, 112, .	3.3	58
106	A regeneration model for the effect of bioturbation by fiddler crabs on 210Pb profiles in salt marsh sediments. Journal of Environmental Radioactivity, 1987, 5, 25-36.	0.9	57
107	Nutrient and Radium Fluxes from Submarine Groundwater Discharge to Port Royal Sound, South Carolina. Aquatic Geochemistry, 2003, 9, 191-208.	1.5	57
108	Evaluation of salt marsh hydrology using radium as a tracer. Geochimica Et Cosmochimica Acta, 1993, 57, 2203-2212.	1.6	56

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109	Radon anomalies and microearthquakes at Lake Jocassee, South Carolina. Journal of Geophysical Research, 1980, 85, 3079-3088.	3.3	54
110	Oceanic 232Th: A reconnaissance and implications of global distribution from manganese nodules. Geochimica Et Cosmochimica Acta, 1989, 53, 1357-1366.	1.6	54
111	Determination of residence time and mixing processes of the Ubatuba, Brazil, inner shelf waters using natural Ra isotopes. Estuarine, Coastal and Shelf Science, 2008, 76, 512-521.	0.9	54
112	Fluxes of 226Ra and barium in the Pacific Ocean: The importance of boundary processes. Earth and Planetary Science Letters, 1991, 107, 55-68.	1.8	52
113	Sedimentation rate as determined by 226Ra activity in marine barite. Geochimica Et Cosmochimica Acta, 1996, 60, 4313-4319.	1.6	52
114	Investigation of residence time and groundwater flux in Venice Lagoon: comparing radium isotope and hydrodynamical models. Journal of Environmental Radioactivity, 2010, 101, 571-581.	0.9	52
115	Stormâ€driven groundwater flow in a salt marsh. Water Resources Research, 2011, 47, .	1.7	52
116	Nutrient inputs to a Lagoon through submarine groundwater discharge: The case of Laoye Lagoon, Hainan, China. Journal of Marine Systems, 2013, 111-112, 253-262.	0.9	52
117	Coral growth rates using228Ra and210Pb. Earth and Planetary Science Letters, 1972, 15, 187-190.	1.8	50
118	Radium fluxes from a salt marsh. Nature, 1984, 309, 444-446.	13.7	50
119	Submarine groundwater discharge measured by seepage meters in sicilian coastal waters. Continental Shelf Research, 2006, 26, 835-842.	0.9	49
120	Calibration of RaDeCC systems for 223Ra measurements. Marine Chemistry, 2013, 156, 130-137.	0.9	49
121	Isotopic variations of dissolved inorganic carbon. Chemical Geology, 1966, 1, 323-328.	1.4	48
122	Age determinations of fossil corals using²³⁰Th/²³⁴Th and²³⁰Th/²²⁷Th. Journal of Geophysical Research, 1974, 79, 5065-5068.	3.3	48
123	Radium 228 in the South Atlantic Bight. Journal of Geophysical Research, 1987, 92, 5177-5190.	3.3	47
124	What time scales are important for monitoring tidally influenced submarine groundwater discharge? Insights from a salt marsh. Water Resources Research, 2015, 51, 4198-4207.	1.7	47
125	Radium-228: Application to thermocline mixing studies. Earth and Planetary Science Letters, 1972, 16, 421-422.	1.8	46
126	234Th and 21Pb evidence for rapid ingestion of settling particles by mobile epibenthic megafauna in the abyssal NE Pacific. Limnology and Oceanography, 1997, 42, 589-595.	1.6	46

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127	Methodological advances for measuring low-level radium isotopes in seawater. Journal of Radioanalytical and Nuclear Chemistry, 2013, 296, 357-362.	0.7	46
128	Saltwater Intrusion and Submarine Groundwater Discharge: Acceleration of Biogeochemical Reactions in Changing Coastal Aquifers. Frontiers in Earth Science, 2021, 9, .	0.8	46
129	Radium-224 in natural waters measured by Î³-ray spectrometry. Analytica Chimica Acta, 1982, 144, 277-281.	2.6	44
130	Transport of10Be and9Be in the ocean. Earth and Planetary Science Letters, 1987, 86, 69-76.	1.8	42
131	Ages of barite-sulfide chimneys from the Mariana Trough. Earth and Planetary Science Letters, 1990, 100, 265-274.	1.8	42
132	Manganese cycles and the origin of manganese nodules, Oneida Lake, New York, U.S.A.. Chemical Geology, 1981, 34, 53-64.	1.4	40
133	Gas exchange in the Pee Dee River based on ²²²Rn evasion. Geophysical Research Letters, 1983, 10, 443-446.	1.5	40
134	Submarine groundwater discharge. Nature, 1996, 382, 122-122.	13.7	39
135	Shelfâ€Scale Submarine Groundwater Discharge in the Northern South China Sea and East China Sea and its Geochemical Impacts. Journal of Geophysical Research: Oceans, 2018, 123, 2997-3013.	1.0	39
136	Radium-228 as a tracer of dissolved trace element inputs from the Peruvian continental margin. Marine Chemistry, 2018, 201, 20-34.	0.9	39
137	Radium Isotopes Across the Arctic Ocean Show Time Scales of Water Mass Ventilation and Increasing Shelf Inputs. Journal of Geophysical Research: Oceans, 2018, 123, 4853-4873.	1.0	39
138	Radiological Sampling and Analytical Methods for National Primary Drinking Water Regulations. Health Physics, 1985, 48, 587-600.	0.3	38
139	Geochemical Processes Occurring in the Waters at the Amazon River/Ocean Boundary. Oceanography, 1991, 4, 15-20.	0.5	38
140	Ndâ€“Sr isotopic and REE constraints on the genesis of hydrothermal manganese crusts in the Galapagos. Nature, 1984, 311, 743-745.	13.7	37
141	Depletion of barium and radium-226 in Black Sea surface waters over the past thirty years. Nature, 1991, 350, 491-494.	13.7	37
142	Measurement of 224Ra:228Th disequilibrium in coastal sediments using a delayed coincidence counter. Marine Chemistry, 2012, 138-139, 1-6.	0.9	37
143	The distributions of uranium, radium and thorium isotopes in two anoxic fjords: Framvaren Fjord (Norway) and Saanich Inlet (British Columbia). Marine Chemistry, 1988, 23, 393-415.	0.9	36
144	Radium and barium in the Amazon River system. Journal of Geophysical Research, 1984, 89, 2061-2065.	3.3	35

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145	Processes controlling the regional distribution of210Pb,226Ra and anthropogenic zinc in estuarine sediments. Earth and Planetary Science Letters, 1985, 76, 23-34.	1.8	34
146	A new method for the rapid measurement of 224Ra in natural waters. Marine Chemistry, 1987, 22, 43-54.	0.9	34
147	Temporal variation of228Ra in the near-surface Gulf of Mexico. Earth and Planetary Science Letters, 1979, 43, 227-236.	1.8	33
148	Uranium removal during low discharge in the Ganges-Brahmaputra mixing zone. Geochimica Et Cosmochimica Acta, 1993, 57, 4987-4995.	1.6	33
149	Evolution of hydrothermal activity on the Juan de Fuca Ridge: Observations, mineral ages, and Ra isotope ratios. Journal of Geophysical Research, 1991, 96, 21739-21752.	3.3	32
150	Radium removal from drinking water. Nature, 1975, 253, 262-263.	13.7	31
151	228Ra and 226Ra Content of Groundwater in Fall Line Aquifers. Health Physics, 1980, 38, 663-671.	0.3	31
152	Radium isotopes as tracers of hydrothermal inputs and neutrally buoyant plume dynamics in the deep ocean. Marine Chemistry, 2018, 201, 51-65.	0.9	29
153	Verification of mid-ocean ballast water exchange using naturally occurring coastal tracers. Marine Pollution Bulletin, 2004, 48, 711-730.	2.3	28
154	228Th/228Ra ages of a barite-rich chimney from the Endeavour Segment of the Juan de Fuca Ridge. Earth and Planetary Science Letters, 1995, 131, 99-113.	1.8	27
155	Growth rates of manganese nodules in Oneida Lake, New York. Earth and Planetary Science Letters, 1980, 46, 191-200.	1.8	26
156	Ra-228 in the deep Indian Ocean. Deep-sea Research Part A, Oceanographic Research Papers, 1986, 33, 107-120.	1.6	26
157	Ironâ€“manganese banding in Oneida Lake ferromanganese nodules. Nature, 1981, 292, 233-235.	13.7	25
158	224Ra in Continental Shelf waters. Earth and Planetary Science Letters, 1985, 73, 226-230.	1.8	25
159	Comparison of , , and fluxes with fluxes of major sediment components in the Guaymas Basin, Gulf of California. Marine Chemistry, 1999, 65, 177-194.	0.9	25
160	Thorium and radium isotopic relationships in manganese nodules and sediments at MANOP Site S. Geochimica Et Cosmochimica Acta, 1984, 48, 987-992.	1.6	24
161	Elemental and isotopic fluxes in the Southern California Bight: A time-series sediment trap study in the San Pedro Basin. Journal of Geophysical Research, 1994, 99, 875.	3.3	24
162	Combining organic petrography and palynology to assess anthropogenic impacts on peatlands. International Journal of Coal Geology, 1999, 39, 3-45.	1.9	24

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163	Earthquake-induced turbidite deposition as a previously unrecognized sink for hydrogen sulfide in the Black Sea sediments. Marine Chemistry, 2010, 121, 176-186.	0.9	24
164	GEOTRACES radium isotopes interlaboratory comparison experiment. Limnology and Oceanography: Methods, 2012, 10, 451-463.	1.0	24
165	Paleocurrents in the eastern Caribbean: Geologic evidence and implications. Marine Geology, 1977, 23, 35-56.	0.9	23
166	Metallogenesis in marginal basins: Fe-rich basal deposits from the Philippine Sea. Marine Geology, 1979, 32, 21-37.	0.9	23
167	Radium isotopes in sub-Arctic waters. Earth and Planetary Science Letters, 1980, 49, 329-340.	1.8	23
168	Influence of Boundary Scavenging and Sediment Focusing on234Th,228Th and210Pb Fluxes in the Santa Barbara Basin. Estuarine, Coastal and Shelf Science, 2000, 51, 373-384.	0.9	23
169	Intense nitrogen cycling in permeable intertidal sediment revealed by a nitrous oxide hot spot. Global Biogeochemical Cycles, 2015, 29, 1584-1598.	1.9	23
170	Particle dynamics of the Changjiang Estuary and adjacent coastal region determined by natural particleâ€reactive radionuclides (⁷Be, ²¹⁰Pb, and ²³⁴Th). Journal of Geophysical Research: Oceans, 2013, 118, 1736-1748.	1.0	22
171	Shelfâ€Basin Interactions and Water Mass Residence Times in the Western Arctic Ocean: Insights Provided by Radium Isotopes. Journal of Geophysical Research: Oceans, 2019, 124, 3279-3297.	1.0	22
172	Short-lived radium isotopes in the Hawaiian margin: Evidence for large fluid fluxes through the Puna Ridge. Marine Chemistry, 2008, 109, 421-430.	0.9	21
173	Methanotrophy controls groundwater methane export from a barrier island. Geochimica Et Cosmochimica Acta, 2016, 179, 242-256.	1.6	21
174	Significant chemical fluxes from natural terrestrial groundwater rival anthropogenic and fluvial input in a large-river deltaic estuary. Water Research, 2018, 144, 603-615.	5.3	21
175	Analysis of 227Ac in seawater by delayed coincidence counting. Marine Chemistry, 2002, 78, 197-203.	0.9	19
176	The release of dissolved actinium to the ocean: A global comparison of different end-members. Marine Chemistry, 2008, 109, 409-420.	0.9	19
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