

Willard Moore

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

15,903
citations

69
h-index

118
g-index

231
ext. papers

17,462
ext. citations

6.6
avg, IF

6.85
L-index

#	Paper	IF	Citations
226	Large groundwater inputs to coastal waters revealed by 226Ra enrichments. <i>Nature</i> , 1996 , 380, 612-614	50.4	768
225	The subterranean estuary: a reaction zone of ground water and sea water. <i>Marine Chemistry</i> , 1999 , 65, 111-125	3.7	683
224	Quantifying submarine groundwater discharge in the coastal zone via multiple methods. <i>Science of the Total Environment</i> , 2006 , 367, 498-543	10.2	653
223	Groundwater and pore water inputs to the coastal zone. <i>Biogeochemistry</i> , 2003 , 66, 3-33	3.8	641
222	The effect of submarine groundwater discharge on the ocean. <i>Annual Review of Marine Science</i> , 2010 , 2, 59-88	15.4	536
221	Major ion chemistry of the Ganga-Brahmaputra river system: Weathering processes and fluxes to the Bay of Bengal. <i>Geochimica Et Cosmochimica Acta</i> , 1989 , 53, 997-1009	5.5	502
220	Measurement of 223Ra and 224Ra in coastal waters using a delayed coincidence counter. <i>Journal of Geophysical Research</i> , 1996 , 101, 1321-1329		399
219	Submarine groundwater discharge revealed by 228Ra distribution in the upper Atlantic Ocean. <i>Nature Geoscience</i> , 2008 , 1, 309-311	18.3	211
218	Determining coastal mixing rates using radium isotopes. <i>Continental Shelf Research</i> , 2000 , 20, 1993-2007	2.4	208
217	Extraction of radium from natural waters using manganese-impregnated acrylic fibers. <i>Journal of Geophysical Research</i> , 1973 , 78, 8880-8886		200
216	High fluxes of radium and barium from the mouth of the Ganges-Brahmaputra River during low river discharge suggest a large groundwater source. <i>Earth and Planetary Science Letters</i> , 1997 , 150, 141-150	5.3	198
215	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018 , 493, 210-223	4.2	195
214	Submarine groundwater discharge: A large, previously unrecognized source of dissolved iron to the South Atlantic Ocean. <i>Marine Chemistry</i> , 2006 , 102, 252-266	3.7	194
213	Subaqueous delta of the Ganges-Brahmaputra river system. <i>Marine Geology</i> , 1997 , 144, 81-96	3.3	181
212	Using the radium quartet for evaluating groundwater input and water exchange in salt marshes. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 4645-4652	5.5	176
211	Marsh nutrient export supplied by groundwater discharge: Evidence from radium measurements. <i>Global Biogeochemical Cycles</i> , 2000 , 14, 167-176	5.9	170
210	Radium isotope measurements using germanium detectors. <i>Nuclear Instruments & Methods in Physics Research</i> , 1984 , 223, 407-411		169

209	Global estimate of submarine groundwater discharge based on an observationally constrained radium isotope model. <i>Geophysical Research Letters</i> , 2014 , 41, 8438-8444	4.9	166
208	Estimates of flushing times, submarine groundwater discharge, and nutrient fluxes to Okatee Estuary, South Carolina. <i>Journal of Geophysical Research</i> , 2006 , 111,		164
207	Submarine groundwater discharge: An important source of new inorganic nitrogen to coral reef ecosystems. <i>Limnology and Oceanography</i> , 2006 , 51, 343-348	4.8	163
206	Sources and fluxes of submarine groundwater discharge delineated by radium isotopes. <i>Biogeochemistry</i> , 2003 , 66, 75-93	3.8	161
205	The flux of barium to the coastal waters of the southeastern USA: the importance of submarine groundwater discharge. <i>Geochimica Et Cosmochimica Acta</i> , 1998 , 62, 3047-3054	5.5	147
204	Shelf sedimentation off the Ganges-Brahmaputra river system: Evidence for sediment bypassing to the Bengal fan. <i>Geology</i> , 1989 , 17, 1132	5	146
203	Ages of continental shelf waters determined from ²²³ Ra and ²²⁴ Ra. <i>Journal of Geophysical Research</i> , 2000 , 105, 22117-22122		141
202	Mechanism of transport of U-Th series radioisotopes from solids into ground water. <i>Geochimica Et Cosmochimica Acta</i> , 1984 , 48, 395-399	5.5	141
201	Fifteen years experience in measuring ²²⁴ Ra and ²²³ Ra by delayed-coincidence counting. <i>Marine Chemistry</i> , 2008 , 109, 188-197	3.7	136
200	The geochemistry of dissolved inorganic carbon in a surficial groundwater aquifer in North Inlet, South Carolina, and the carbon fluxes to the coastal ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 631-639	5.5	134
199	The relationship between vertical eddy diffusion and buoyancy gradient in the deep sea. <i>Earth and Planetary Science Letters</i> , 1976 , 32, 357-370	5.3	134
198	Radon and radium isotopes as tracers of submarine groundwater discharge [Results from the Ubatuba, Brazil SGD assessment intercomparison. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 76, 501-511	2.9	132
197	Measurement of ²²⁴ Ra and ²²⁵ Ra activities in natural waters using a radon-in-air monitor. <i>Environmental Science & Technology</i> , 2001 , 35, 4680-3	10.3	128
196	Chemistry of uranium, thorium, and radium isotopes in the Ganga-Brahmaputra river system: Weathering processes and fluxes to the Bay of Bengal. <i>Geochimica Et Cosmochimica Acta</i> , 1990 , 54, 1387-1396	5.5	128
195	and in the mixing zones of the Mississippi and Atchafalaya Rivers: indicators of groundwater input. <i>Marine Chemistry</i> , 1999 , 64, 129-152	3.7	122
194	Amazon and Mississippi river concentrations of uranium, thorium, and radium isotopes. <i>Earth and Planetary Science Letters</i> , 1967 , 2, 231-234	5.3	122
193	Submarine groundwater discharge. <i>Nature</i> , 1996 , 382, 121-122	50.4	109
192	Using multiple geochemical tracers to characterize the hydrogeology of the submarine spring off Crescent Beach, Florida. <i>Chemical Geology</i> , 2001 , 179, 187-202	4.2	108

191	Uranium and thorium series inequilibrium in sea water. <i>Journal of Geophysical Research</i> , 1964 , 69, 5401-5405	101
190	Distribution and flux of ²²⁶ Ra and ²²⁸ Ra in the Amazon River estuary. <i>Journal of Geophysical Research</i> , 1985 , 90, 6995	98
189	.gamma.-Ray spectrometry for determination of radium-228 and radium-226 in natural waters. <i>Analytical Chemistry</i> , 1981 , 53, 1885-1889	7.8 96
188	Distribution of ²²³ Ra and ²²⁴ Ra in the plumes of the Mississippi and Atchafalaya Rivers and the Gulf of Mexico. <i>Marine Chemistry</i> , 2004 , 86, 105-119	3.7 95
187	Ground water geochemistry of ²²⁸ Ra, ²²⁶ Ra and ²²² Rn. <i>Geochimica Et Cosmochimica Acta</i> , 1982 , 46, 1173-1182	5.5 95
186	Hydrothermal manganese crusts from two sites near the Galapagos spreading axis. <i>Earth and Planetary Science Letters</i> , 1976 , 29, 349-356	5.3 95
185	Sampling ²²⁸ Ra in the deep ocean. <i>Deep Sea Research and Oceanographic Abstracts</i> , 1976 , 23, 647-651	95
184	Microbially mediated manganese oxidation in a freshwater lake ¹ . <i>Limnology and Oceanography</i> , 1982 , 27, 1004-1014	4.8 94
183	The role of the Ganges-Brahmaputra mixing zone in supplying barium and ²²⁶ Ra to the Bay of Bengal. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 2981-2990	5.5 92
182	Sedimentation and bioturbation in a salt marsh as revealed by ²¹⁰ Pb, ¹³⁷ Cs, and ⁷ Be studies ¹² . <i>Limnology and Oceanography</i> , 1987 , 32, 313-326	4.8 91
181	²²⁶ Ra behavior in the Pee Dee River-Winyah Bay estuary. <i>Earth and Planetary Science Letters</i> , 1980 , 48, 239-249	5.3 90
180	Advective flow through the upper continental shelf driven by storms, buoyancy, and submarine groundwater discharge. <i>Earth and Planetary Science Letters</i> , 2005 , 235, 564-576	5.3 89
179	Oxygen and nitrate new production and remineralization in the North Atlantic subtropical gyre. <i>Journal of Geophysical Research</i> , 1990 , 95, 18303	88
178	Radiochemical constraints on the crustal residence time of submarine hydrothermal fluids: Endeavour Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 1988 , 52, 659-668	5.5 86
177	Oceanic concentrations of ²²⁸ Radium. <i>Earth and Planetary Science Letters</i> , 1969 , 6, 437-446	5.3 86
176	Techniques for precise mapping of ²²⁶ Ra and ²²⁸ Ra in the ocean. <i>Journal of Geophysical Research</i> , 1985 , 90, 6983	84
175	Sea Level Events and Pleistocene Coral Ages in the Northern Bahamas. <i>Quaternary Research</i> , 1975 , 5, 215-224	1.9 81
174	Radium-based pore water fluxes of silica, alkalinity, manganese, DOC, and uranium: A decade of studies in the German Wadden Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 6535-6555	5.5 80

173	Measurement of Ra228 and Th228 in sea water. <i>Journal of Geophysical Research</i> , 1969 , 74, 694-704		80
172	Assessing methodologies for measuring groundwater discharge to the ocean. <i>Eos</i> , 2002 , 83, 117	1.5	79
171	Submarine groundwater discharge of nutrients to the ocean along a coastal lagoon barrier, Southern Brazil. <i>Marine Chemistry</i> , 2007 , 106, 546-561	3.7	78
170	Fluxes of metals to a manganese nodule radiochemical, chemical, structural, and mineralogical studies. <i>Earth and Planetary Science Letters</i> , 1981 , 52, 151-171	5.3	78
169	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. <i>Marine Pollution Bulletin</i> , 2014 , 82, 144-54	6.7	76
168	The role of submarine groundwater discharge in coastal biogeochemistry. <i>Journal of Geochemical Exploration</i> , 2006 , 88, 389-393	3.8	76
167	Radium isotopes as tracers of submarine groundwater discharge in Sicily. <i>Continental Shelf Research</i> , 2006 , 26, 852-861	2.4	76
166	Radium and thorium isotopes in the surface waters of the East Pacific and coastal Southern California. <i>Earth and Planetary Science Letters</i> , 1978 , 39, 235-249	5.3	76
165	Salt marsh submarine groundwater discharge as traced by radium isotopes. <i>Marine Chemistry</i> , 2003 , 84, 113-121	3.7	75
164	Geothermal springs of the West Florida continental shelf: Evidence for dolomitization and radionuclide enrichment. <i>Earth and Planetary Science Letters</i> , 1981 , 52, 345-354	5.3	74
163	The thorium isotope content of ocean water. <i>Earth and Planetary Science Letters</i> , 1981 , 53, 419-426	5.3	73
162	Role of glacial Arctic Ocean ice sheets in Pleistocene oxygen isotope and sea level records. <i>Earth and Planetary Science Letters</i> , 1981 , 56, 157-166	5.3	73
161	Estimation of submarine groundwater discharge and associated nutrient fluxes in Tolo Harbour, Hong Kong. <i>Science of the Total Environment</i> , 2012 , 433, 427-33	10.2	72
160	Chemical signals from submarine fluid advection onto the continental shelf. <i>Journal of Geophysical Research</i> , 1998 , 103, 21543-21552		72
159	Using radium isotopes to estimate the residence time and the contribution of submarine groundwater discharge (SGD) in the Changjiang effluent plume, East China Sea. <i>Continental Shelf Research</i> , 2012 , 35, 95-107	2.4	69
158	Radium isotopes in coastal waters on the Amazon shelf. <i>Geochimica Et Cosmochimica Acta</i> , 1995 , 59, 4285-4298	5.4	69
157	Suspended sediment distribution and residual transport in the coastal ocean off the Ganges-Brahmaputra river mouth. <i>Marine Geology</i> , 1994 , 120, 41-61	3.3	68
156	Correlation of ²¹⁰ Pb removal with organic carbon fluxes in the Pacific Ocean. <i>Nature</i> , 1988 , 331, 339-341	10.4	68

155	An examination of groundwater discharge and the associated nutrient fluxes into the estuaries of eastern Hainan Island, China using ^{226}Ra . <i>Science of the Total Environment</i> , 2011 , 409, 3909-18	10.2	67
154	Fluxes and behavior of radium isotopes, barium, and uranium in seven Southeastern US rivers and estuaries. <i>Marine Chemistry</i> , 2008 , 108, 236-254	3.7	67
153	Trace metal enrichments in waters of the Gulf of Cadiz, Spain. <i>Geochimica Et Cosmochimica Acta</i> , 1991 , 55, 2173-2191	5.5	66
152	Tracing the Amazon component of surface Atlantic water using ^{228}Ra , salinity and silica. <i>Journal of Geophysical Research</i> , 1986 , 91, 2574		66
151	Fluxes of uranium and thorium series isotopes in the Santa Barbara Basin. <i>Earth and Planetary Science Letters</i> , 1981 , 53, 391-399	5.3	64
150	Characterisation of submarine groundwater discharge offshore south-eastern Sicily. <i>Journal of Environmental Radioactivity</i> , 2006 , 89, 81-101	2.4	63
149	Thermal evidence of water exchange through a coastal aquifer: Implications for nutrient fluxes. <i>Geophysical Research Letters</i> , 2002 , 29, 49-1-49-4	4.9	63
148	Using Ra isotopes to examine transport processes controlling benthic fluxes into a shallow estuarine lagoon. <i>Geochimica Et Cosmochimica Acta</i> , 2000 , 64, 3685-3699	5.5	63
147	Net subterranean estuarine export fluxes of dissolved inorganic C, N, P, Si, and total alkalinity into the Jiulong River estuary, China. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 149, 103-114	5.5	62
146	Chapter 5 Uranium- and Thorium-Series Nuclides as Tracers of Submarine Groundwater Discharge. <i>Radioactivity in the Environment</i> , 2008 , 155-191		60
145	The effect of fiddler crab burrowing on sediment mixing and radionuclide profiles along a topographic gradient in a southeastern salt marsh. <i>Journal of Marine Research</i> , 2003 , 61, 359-390	1.5	60
144	Radium isotopes in the Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 1981 , 12, 713-723	2.9	60
143	Characterizing sources of groundwater to a tropical coastal lagoon in a karstic area using radium isotopes and water chemistry. <i>Marine Chemistry</i> , 2008 , 109, 377-394	3.7	57
142	Input, composition, and potential impact of terrigenous material from free-drifting icebergs in the Weddell Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 1376-1383	2.3	56
141	Dynamics of submarine groundwater discharge and associated fluxes of dissolved nutrients, carbon, and trace gases to the coastal zone (Okatee River estuary, South Carolina). <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 131, 81-97	5.5	54
140	A reevaluation of submarine groundwater discharge along the southeastern coast of North America. <i>Global Biogeochemical Cycles</i> , 2010 , 24, n/a-n/a	5.9	54
139	^{226}Ra and ^{228}Ra in the mixing zones of the Pee Dee River-Winyah Bay, Yangtze River and Delaware Bay Estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 1984 , 18, 601-613	2.9	54
138	Increased fluxes of shelf-derived materials to the central Arctic Ocean. <i>Science Advances</i> , 2018 , 4, eaao13023	13.0	53

137	224Ra,228Ra, and226Ra in Winyah Bay and Delaware Bay. <i>Earth and Planetary Science Letters</i> , 1983 , 64, 430-436	5.3	53
136	Assessment of groundwater discharges into West Neck Bay, New York, via natural tracers. <i>Continental Shelf Research</i> , 2006 , 26, 1971-1983	2.4	52
135	A clue regarding the origin of rock varnish. <i>Geophysical Research Letters</i> , 1999 , 26, 103-106	4.9	52
134	Radium isotope distributions during the US GEOTRACES North Atlantic cruises. <i>Marine Chemistry</i> , 2015 , 177, 184-195	3.7	51
133	Seasonal distribution and flux of radium isotopes on the southeastern U.S. continental shelf. <i>Journal of Geophysical Research</i> , 2007 , 112,		51
132	Evaluation of salt marsh hydrology using radium as a tracer. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 2203-2212	5.5	51
131	Oceanic 232Th: A reconnaissance and implications of global distribution from manganese nodules. <i>Geochimica Et Cosmochimica Acta</i> , 1989 , 53, 1357-1366	5.5	51
130	Groundwater controls ecological zonation of salt marsh macrophytes. <i>Ecology</i> , 2015 , 96, 840-9	4.6	50
129	Radionuclide tracers of sediment-water interactions on the Amazon shelf. <i>Continental Shelf Research</i> , 1996 , 16, 645-665	2.4	50
128	Radium isotopes in the Orinoco estuary and eastern Caribbean Sea. <i>Journal of Geophysical Research</i> , 1993 , 98, 2233-2244		49
127	224Ra:228Th disequilibrium in coastal sediments: Implications for solute transfer across the sediment-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 125, 68-84	5.5	47
126	Isotopic, geophysical and biogeochemical investigation of submarine groundwater discharge: IAEA-UNESCO intercomparison exercise at Mauritius Island. <i>Journal of Environmental Radioactivity</i> , 2012 , 104, 24-45	2.4	47
125	Nutrient and Radium Fluxes from Submarine Groundwater Discharge to Port Royal Sound, South Carolina. <i>Aquatic Geochemistry</i> , 2003 , 9, 191-208	1.7	47
124	A new perspective on coastal hypoxia: The role of saline groundwater. <i>Marine Chemistry</i> , 2016 , 179, 1-113.7		46
123	Anchialine redefined as a subterranean estuary in a crevicular or cavernous geological setting. <i>Journal of Crustacean Biology</i> , 2015 , 35, 511-514	0.8	46
122	Investigation of residence time and groundwater flux in Venice Lagoon: comparing radium isotope and hydrodynamic models. <i>Journal of Environmental Radioactivity</i> , 2010 , 101, 571-81	2.4	46
121	Isotope tracing of submarine groundwater discharge offshore Ubatuba, Brazil: results of the IAEA-UNESCO SGD project. <i>Journal of Environmental Radioactivity</i> , 2008 , 99, 1596-610	2.4	46
120	Sedimentation rate as determined by 226Ra activity in marine barite. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 4313-4319	5.5	46

119	Fluxes of ²²⁶ Ra and barium in the Pacific Ocean: The importance of boundary processes. <i>Earth and Planetary Science Letters</i> , 1991 , 107, 55-68	5.3	46
118	Radium fluxes from a salt marsh. <i>Nature</i> , 1984 , 309, 444-446	50.4	46
117	Radon anomalies and microearthquakes at Lake Jocassee, South Carolina. <i>Journal of Geophysical Research</i> , 1980 , 85, 3079		46
116	Age determinations of fossil corals using ²³⁰ Th/ ²³⁴ Th and ²³⁰ Th/ ²²⁷ Th. <i>Journal of Geophysical Research</i> , 1974 , 79, 5065-5068		45
115	Nutrient inputs to a Lagoon through submarine groundwater discharge: The case of Laoye Lagoon, Hainan, China. <i>Journal of Marine Systems</i> , 2013 , 111-112, 253-262	2.7	44
114	Determination of residence time and mixing processes of the Ubatuba, Brazil, inner shelf waters using natural Ra isotopes. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 76, 512-521	2.9	44
113	Coral growth rates using ²²⁸ Ra and ²¹⁰ Pb. <i>Earth and Planetary Science Letters</i> , 1972 , 15, 187-190	5.3	44
112	Mass wasting, ephemeral fluid flow, and barite deposition on the California continental margin. <i>Geology</i> , 2000 , 28, 315	5	43
111	Radium 228 in the South Atlantic Bight. <i>Journal of Geophysical Research</i> , 1987 , 92, 5177		43
110	The Transpolar Drift as a Source of Riverine and Shelf-Derived Trace Elements to the Central Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015920	3.3	42
109	Radium-224 in natural waters measured by β -ray spectrometry. <i>Analytica Chimica Acta</i> , 1982 , 144, 277-281	6.6	42
108	Calibration of RaDeCC systems for ²²³ Ra measurements. <i>Marine Chemistry</i> , 2013 , 156, 130-137	3.7	41
107	Submarine groundwater discharge measured by seepage meters in sicilian coastal waters. <i>Continental Shelf Research</i> , 2006 , 26, 835-842	2.4	41
106	A regeneration model for the effect of bioturbation by fiddler crabs on ²¹⁰ Pb profiles in salt marsh sediments. <i>Journal of Environmental Radioactivity</i> , 1987 , 5, 25-36	2.4	41
105	Transport of ¹⁰ Be and ⁹ Be in the ocean. <i>Earth and Planetary Science Letters</i> , 1987 , 86, 69-76	5.3	40
104	Radium-228: Application to thermocline mixing studies. <i>Earth and Planetary Science Letters</i> , 1972 , 16, 421-422	5.3	40
103	Isotopic variations of dissolved inorganic carbon. <i>Chemical Geology</i> , 1966 , 1, 323-328	4.2	39
102	Storm-driven groundwater flow in a salt marsh. <i>Water Resources Research</i> , 2011 , 47,	5.4	38

101	Ages of barite-sulfide chimneys from the Mariana Trough. <i>Earth and Planetary Science Letters</i> , 1990 , 100, 265-274	5.3	36
100	Manganese cycles and the origin of manganese nodules, Oneida Lake, New York, U.S.A.. <i>Chemical Geology</i> , 1981 , 34, 53-64	4.2	36
99	Geochemical Processes Occurring in the Waters at the Amazon River/Ocean Boundary. <i>Oceanography</i> , 1991 , 4, 15-20	2.3	36
98	Methodological advances for measuring low-level radium isotopes in seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 296, 357-362	1.5	35
97	²³⁴ Th and ²¹⁰ Pb evidence for rapid ingestion of settling particles by mobile epibenthic megafauna in the abyssal NE Pacific. <i>Limnology and Oceanography</i> , 1997 , 42, 589-595	4.8	35
96	Submarine groundwater discharge. <i>Nature</i> , 1996 , 382, 122-122	50.4	34
95	Nd/Sm isotopic and REE constraints on the genesis of hydrothermal manganese crusts in the Galapagos. <i>Nature</i> , 1984 , 311, 743-745	50.4	34
94	The distributions of uranium, radium and thorium isotopes in two anoxic fjords: Framvaren Fjord (Norway) and Saanich Inlet (British Columbia). <i>Marine Chemistry</i> , 1988 , 23, 393-415	3.7	33
93	Depletion of barium and radium-226 in Black Sea surface waters over the past thirty years. <i>Nature</i> , 1991 , 350, 491-494	50.4	32
92	Temporal variation of ²²⁸ Ra in the near-surface Gulf of Mexico. <i>Earth and Planetary Science Letters</i> , 1979 , 43, 227-236	5.3	32
91	Gas exchange in the Pee Dee River based on ²²² Rn evasion. <i>Geophysical Research Letters</i> , 1983 , 10, 443-446	4.6	31
90	Processes controlling the regional distribution of ²¹⁰ Pb, ²²⁶ Ra and anthropogenic zinc in estuarine sediments. <i>Earth and Planetary Science Letters</i> , 1985 , 76, 23-34	5.3	31
89	Radiological sampling and analytical methods for National Primary Drinking Water Regulations. <i>Health Physics</i> , 1985 , 48, 587-600	2.3	31
88	Radium Isotopes Across the Arctic Ocean Show Time Scales of Water Mass Ventilation and Increasing Shelf Inputs. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 4853-4873	3.3	30
87	A new method for the rapid measurement of ²²⁴ Ra in natural waters. <i>Marine Chemistry</i> , 1987 , 22, 43-54	3.7	30
86	Radium and barium in the Amazon River system. <i>Journal of Geophysical Research</i> , 1984 , 89, 2061		30
85	What time scales are important for monitoring tidally influenced submarine groundwater discharge? Insights from a salt marsh. <i>Water Resources Research</i> , 2015 , 51, 4198-4207	5.4	29
84	Measurement of ²²⁴ Ra: ²²⁸ Th disequilibrium in coastal sediments using a delayed coincidence counter. <i>Marine Chemistry</i> , 2012 , 138-139, 1-6	3.7	29

83	Uranium removal during low discharge in the Ganges-Brahmaputra mixing zone. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 4987-4995	5.5	29
82	Evolution of hydrothermal activity on the Juan de Fuca Ridge: Observations, mineral ages, and Ra isotope ratios. <i>Journal of Geophysical Research</i> , 1991 , 96, 21739-21752		29
81	Radium-228 as a tracer of dissolved trace element inputs from the Peruvian continental margin. <i>Marine Chemistry</i> , 2018 , 201, 20-34	3.7	26
80	²²⁸ Ra and ²²⁶ Ra content of groundwater in Fall Line aquifers. <i>Health Physics</i> , 1980 , 38, 663-71	2.3	25
79	Ra-228 in the deep Indian Ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1986 , 33, 107-120		24
78	Comparison of ²²⁸ Ra, ²²⁶ Ra, and fluxes with fluxes of major sediment components in the Guaymas Basin, Gulf of California. <i>Marine Chemistry</i> , 1999 , 65, 177-194	3.7	23
77	²²⁸ Th/ ²²⁸ Ra ages of a barite-rich chimney from the Endeavour Segment of the Juan de Fuca Ridge. <i>Earth and Planetary Science Letters</i> , 1995 , 131, 99-113	5.3	23
76	Growth rates of manganese nodules in Oneida Lake, New York. <i>Earth and Planetary Science Letters</i> , 1980 , 46, 191-200	5.3	23
75	Shelf-Scale Submarine Groundwater Discharge in the Northern South China Sea and East China Sea and its Geochemical Impacts. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 2997-3013	3.3	22
74	Verification of mid-ocean ballast water exchange using naturally occurring coastal tracers. <i>Marine Pollution Bulletin</i> , 2004 , 48, 711-30	6.7	22
73	Influence of Boundary Scavenging and Sediment Focusing on ²³⁴ Th, ²²⁸ Th and ²¹⁰ Pb Fluxes in the Santa Barbara Basin. <i>Estuarine, Coastal and Shelf Science</i> , 2000 , 51, 373-384	2.9	22
72	Elemental and isotopic fluxes in the Southern California Bight: A time-series sediment trap study in the San Pedro Basin. <i>Journal of Geophysical Research</i> , 1994 , 99, 875		22
71	Radium removal from drinking water. <i>Nature</i> , 1975 , 253, 262-3	50.4	22
70	Thorium and radium isotopic relationships in manganese nodules and sediments at MANOP Site S. <i>Geochimica Et Cosmochimica Acta</i> , 1984 , 48, 987-992	5.5	21
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