William C Burnett

List of Publications by Year
in descending order

54 papers	4,677 citations	172457 29 h-index	161849 54 g-index
54 all docs	54 docs citations	54 times ranked	2607 citing authors

#	Article	IF	Citations
1	Groundwater and pore water inputs to the coastal zone. Biogeochemistry, 2003, 66, 3-33.	3.5	824
2	Investigation of submarine groundwater discharge. Hydrological Processes, 2002, 16, 2115-2129.	2.6	569
3	Estimating the dynamics of groundwater input into the coastal zone via continuous radon-222 measurements. Journal of Environmental Radioactivity, 2003, 69, 21-35.	1.7	472
4	Estimating groundwater discharge into the northeastern Gulf of Mexico using radon-222. Earth and Planetary Science Letters, 1996, 144, 591-604.	4.4	335
5	Patterns of groundwater discharge into Florida Bay. Limnology and Oceanography, 1999, 44, 1045-1055.	3.1	208
6	Nutrient biogeochemistry in a Gulf of Mexico subterranean estuary and groundwaterâ€derived fluxes to the coastal ocean. Limnology and Oceanography, 2008, 53, 705-718.	3.1	181
7	Airâ€“Water Partitioning of ²²²Rn and its Dependence on Water Temperature and Salinity. Environmental Science & Technology, 2012, 46, 3905-3911.	10.0	170
8	Aerial infrared imaging reveals large nutrientâ€rich groundwater inputs to the ocean. Geophysical Research Letters, 2008, 35, .	4.0	154
9	Spatial and temporal distributions of submarine groundwater discharge rates obtained from various types of seepage meters at a site in the Northeastern Gulf of Mexico. Biogeochemistry, 2003, 66, 35-53.	3.5	122
10	Radon and radium isotope assessment of submarine groundwater discharge in the Yellow River delta, China. Journal of Geophysical Research, 2008, 113, .	3.3	117
11	Magnitude and variations of groundwater seepage along a Florida marine shoreline. Biogeochemistry, 1997, 38, 189-205.	3.5	113
12	Quantification of pointâ€source groundwater discharges to the ocean from the shoreline of the Big Island, Hawaii. Limnology and Oceanography, 2009, 54, 890-904.	3.1	99
13	Land or ocean?: Assessing the driving forces of submarine groundwater discharge at a coastal site in the Gulf of Mexico. Journal of Geophysical Research, 2009, 114, .	3.3	96
14	Submarine groundwater discharge estimates at a Florida coastal site based on continuous radon measurements. Biogeochemistry, 2003, 66, 55-73.	3.5	94
15	Estimating the groundwater contribution into Florida Bay via natural tracers, ²²²Rn and CH₄. Limnology and Oceanography, 2000, 45, 1546-1557.	3.1	90
16	Uptake of polonium and sulfur by bacteria. Geomicrobiology Journal, 1995, 13, 103-115.	2.0	73
17	Comparison of measurement methods for radiumâ€226 on manganeseâ€fiber. Limnology and Oceanography: Methods, 2009, 7, 196-205.	2.0	73
18	The Effect of Groundwater Seepage on Nutrient Delivery and Seagrass Distribution in the Northeastern Gulf of Mexico. Estuaries and Coasts, 1999, 22, 1033.	1.7	67

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19	Evaluation of the flushing rates of Apalachicola Bay, Florida via natural geochemical tracers. Marine Chemistry, 2008, 109, 395-408.	2.3	60
20	Determination of transport rates in the Yellow Riverâ€"Bohai Sea mixing zone via natural geochemical tracers. Continental Shelf Research, 2008, 28, 2700-2707.	1.8	58
21	Does submarine groundwater discharge contribute to summer hypoxia in the Changjiang (Yangtze) River Estuary?. Science of the Total Environment, 2020, 719, 137450.	8.0	53
22	An efficient method for Î³â€spectrometric determination of radiumâ€226,228 via manganese fibers. Limnology and Oceanography: Methods, 2004, 2, 256-261.	2.0	50
23	Artificial water sediment regulation scheme influences morphology, hydrodynamics and nutrient behavior in the Yellow River estuary. Journal of Hydrology, 2016, 539, 102-112.	5.4	45
24	Unmanned aerial vehicles (UAVs)â€based thermal infrared (TIR) mapping, a novel approach to assess groundwater discharge into the coastal zone. Limnology and Oceanography: Methods, 2016, 14, 725-735.	2.0	44
25	Seepage rate variability in Florida Bay driven by Atlantic tidal height. Biogeochemistry, 2003, 66, 187-202.	3.5	43
26	An efficient and simple method for measuring 226Ra using the scintillation cell in a delayed coincidence counting system (RaDeCC). Journal of Environmental Radioactivity, 2008, 99, 1859-1862.	1.7	42
27	Submarine groundwater discharge from the Yellow River Delta to the Bohai Sea, China. Journal of Geophysical Research, 2008, 113, .	3.3	38
28	Nutrient cycling and the biogeochemistry of manganese, iron. and zinc in Jellyfish Lake, Palau. Limnology and Oceanography, 1991, 36, 515-525.	3.1	34
29	Major Ion Chemistry in a Freshwater Coastal Lagoon from Southern Brazil (Mangueira Lagoon): Influence of Groundwater Inputs. Aquatic Geochemistry, 2008, 14, 133-146.	1.3	34
30	A potential proxy for seasonal hypoxia: LA-ICP-MS Mn/Ca ratios in benthic foraminifera from the Yangtze River Estuary. Geochimica Et Cosmochimica Acta, 2019, 245, 290-303.	3.9	29
31	Jellyfish Lake, Palau. Eos, 1989, 70, 777.	0.1	27
32	Prospecting for groundwater discharge in the canals of Bangkok via natural radon and thoron. Journal of Hydrology, 2014, 519, 1485-1492.	5.4	26
33	An analysis of the factors responsible for the shoreline retreat of the Chao Phraya Delta (Thailand). Science of the Total Environment, 2021, 769, 145253.	8.0	25
34	Uranium-series dating of insular phosphorite from Ebon atoll, Micronesia. Nature, 1978, 274, 460-462.	27.8	23
35	Assessing diffusive fluxes and pore water radon activities via a single automated experiment. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 581-588.	1.5	20
36	Underground sources of nutrient contamination to surface waters in Bangkok, Thailand. Science of the Total Environment, 2009, 407, 3198-3207.	8.0	19

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37	Jellyfish Lake, Palau: Regeneration of C, N, Si, and P in anoxic marine lake sediments. Limnology and Oceanography, 1996, 41, 1394-1403.	3.1	17
38	Uranium disequilibrium dating of phosphate deposits from the Lau Group, Fiji. Nature, 1983, 302, 603-606.	27.8	16
39	Bimodal Transport of a Waste Water Plume Injected into Saline Ground Water of the Florida Keys. Ground Water, 2000, 38, 624-634.	1.3	16
40	A New Perspective for Assessing Water Transport and Associated Retention Effects in a Large Reservoir. Geophysical Research Letters, 2018, 45, 9642-9650.	4.0	13
41	Title is missing!. Journal of Paleolimnology, 2003, 29, 95-107.	1.6	12
42	Determination of air-loop volume and radon partition coefficient for measuring radon in water sample. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1359-1365.	1.5	9
43	Optimizing laboratory-based radon flux measurements for sediments. Journal of Environmental Radioactivity, 2016, 158-159, 47-55.	1.7	8
44	Applications of radon and radium isotopes to determine submarine groundwater discharge and flushing times in Todos os Santos Bay, Brazil. Journal of Environmental Radioactivity, 2017, 178-179, 136-146.	1.7	8
45	Comparison of Radiocarbon and Uranium-Series Dating Methods as Applied to Marine Apatite. Quaternary Research, 1986, 25, 369-379.	1.7	7
46	Did the Construction of the Bhumibol Dam Cause a Dramatic Reduction in Sediment Supply to the Chao Phraya River?. Water (Switzerland), 2021, 13, 386.	2.7	7
47	Closing the Global Marine ²²⁶Ra Budget Reveals the Biological Pump as a Dominant Removal Flux in the Upper Ocean. Geophysical Research Letters, 2022, 49, .	4.0	7
48	Improved measurements of thoron (220Rn) in natural waters. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 777-784.	1.5	6
49	Tracing underground sources of pollution to coastal waters off Map Ta Phut, Rayong, Thailand. Marine Pollution Bulletin, 2019, 148, 75-84.	5.0	6
50	Submarine groundwater discharge and benthic biogeochemical zonation in the Huanghe River Estuary. Acta Oceanologica Sinica, 2022, 41, 11-20.	1.0	6
51	Carbon Accumulation, Flux, and Fate in Stordalen Mire, a Permafrost Peatland in Transition. Global Biogeochemical Cycles, 2022, 36, .	4.9	5
52	Seven decades of shoreline changes along a muddy mangrove coastline of the Upper Gulf of Thailand. Earth Surface Processes and Landforms, 2022, 47, 1425-1438.	2.5	4
53	A Benthic Monitor for Coastal Water Dissolved Oxygen Variation: Mn/Ca Ratios in Tests of an Epifaunal Foraminifer. Journal of Geophysical Research: Oceans, 2021, 126, .	2.6	2
54	Organic carbon accumulation in oligotrophic coastal lakes in southern Brazil during the last century. Journal of Paleolimnology, 2021, 66, 71-82.	1.6	1