Ryo Sugimoto

List of Publications by Year
in descending order

33 papers	868 citations	567281 15 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	845 citing authors

#	Article	IF	Citations
1	Submarine groundwater discharge impacts on coastal nutrient biogeochemistry. Nature Reviews Earth & Environment, 2021, 2, 307-323.	29.7	210
2	Submarine Groundwater Discharge: Updates on Its Measurement Techniques, Geophysical Drivers, Magnitudes, and Effects. Frontiers in Environmental Science, 2019, 7, .	3.3	158
3	Dynamics of waterâ€"energyâ€"food nexus methodology, methods, and tools. Current Opinion in Environmental Science and Health, 2020, 13, 46-60.	4.1	73
4	Seasonal Changes in Submarine Groundwater Discharge and Associated Nutrient Transport into a Tideless Semi-enclosed Embayment (Obama Bay, Japan). Estuaries and Coasts, 2016, 39, 13-26.	2.2	54
5	Phytoplankton primary productivity around submarine groundwater discharge in nearshore coasts. Marine Ecology - Progress Series, 2017, 563, 25-33.	1.9	42
6	Occurrence, distribution and prey items of juvenile marbled sole Pseudopleuronectes yokohamae around a submarine groundwater seepage on a tidal flat in southwestern Japan. Journal of Sea Research, 2016, 111, 47-53.	1.6	30
7	Modeling phytoplankton production in Ise Bay, Japan: Use of nitrogen isotopes to identify dissolved inorganic nitrogen sources. Estuarine, Coastal and Shelf Science, 2010, 86, 450-466.	2.1	28
8	Submarine groundwater discharge: A previously undocumented source of contaminants of emerging concern to the coastal ocean (Sydney, Australia). Marine Pollution Bulletin, 2020, 160, 111519.	5.0	26
9	Short-term variation in behavior of allochthonous particulate organic matter accompanying changes of river discharge in Ise Bay, Japan. Estuarine, Coastal and Shelf Science, 2006, 66, 267-279.	2.1	21
10	Controlling factors of seasonal variation in the nitrogen isotope ratio of nitrate in a eutrophic coastal environment. Estuarine, Coastal and Shelf Science, 2009, 85, 231-240.	2.1	21
11	Increase in Fish Production Through Bottom-Up Trophic Linkage in Coastal Waters Induced by Nutrients Supplied via Submarine Groundwater. Frontiers in Environmental Science, 2019, 7, .	3.3	21
12	Higher species richness and abundance of fish and benthic invertebrates around submarine groundwater discharge in Obama Bay, Japan. Journal of Hydrology: Regional Studies, 2017, 11, 139-146.	2.4	20
13	High-resolution mapping and time-series measurements of 222Rn concentrations and biogeochemical properties related to submarine groundwater discharge along the coast of Obama Bay, a semi-enclosed sea in Japan. Progress in Earth and Planetary Science, 2017, 4, .	3.0	20
14	Nitrogen isotopic discrimination by water column nitrification in a shallow coastal environment. Journal of Oceanography, 2008, 64, 39-48.	1.7	19
15	Transport of oceanic nitrate from the continental shelf to the coastal basin in relation to the path of the Kuroshio. Continental Shelf Research, 2009, 29, 1678-1688.	1.8	18
16	Using stable nitrogen isotopes to evaluate the relative importance of external and internal nitrogen loadings on phytoplankton production in a shallow eutrophic lake (Lake Mikata, Japan). Limnology and Oceanography, 2014, 59, 37-47.	3.1	16
17	Seasonal and annual fluxes of atmospheric nitrogen deposition and riverine nitrogen export in two adjacent contrasting rivers in central Japan facing the Sea of Japan. Journal of Hydrology: Regional Studies, 2017, 11, 117-125.	2.4	14
18	Evaluating the Tradeoffs between Groundwater Pumping for Snow-Melting and Nearshore Fishery Productivity in Obama City, Japan. Water (Switzerland), 2018, 10, 1556.	2.7	11

#	Article	IF	Citations
19	Assessment of nitrogen loading from the Kiso-Sansen Rivers into Ise Bay using stable isotopes. Journal of Oceanography, 2011, 67, 231-240.	1.7	10
20	Fresh and Recirculated Submarine Groundwater Discharge Evaluated by Geochemical Tracers and a Seepage Meter at Two Sites in the Seto Inland Sea, Japan. Hydrology, 2018, 5, 61.	3.0	10
21	Comprehensive and quantitative assessment of nitrate dynamics in two contrasting forested basins along the Sea of Japan using dual isotopes of nitrate. Science of the Total Environment, 2019, 687, 667-678.	8.0	10
22	Nitrogen isotope ratios of nitrate as a clue to the origin of nitrogen on the Pacific coast of Japan. Continental Shelf Research, 2009, 29, 1303-1309.	1.8	6
23	Nutrient fluxes from rivers, groundwater, and the ocean into the coastal embayment along the Sanriku ria coast, Japan. Limnology and Oceanography, 2021, 66, 2728-2744.	3.1	6
24	Key biogeochemical processes evaluated by the stable nitrogen isotopes of dissolved inorganic nitrogen in the Yodo River estuary, Japan: significance of estuarine nutrient recycling as a possible source for coastal production. Biogeochemistry, 2016, 128, 1-17.	3.5	5
25	Traditional land use effects on nutrient export from watersheds to coastal seas. Nutrient Cycling in Agroecosystems, 2021, 119, 7-21.	2.2	4
26	Submarine Groundwater Discharge and its Influence on Primary Production in Japanese Coasts: Case Study in Obama Bay. Global Environmental Studies, 2018, , 101-115.	0.2	4
27	Groundwater-surface water exchange affects nitrogen and phosphorus exports from tideless rivers to a ria coast in the sea of Japan. Journal of Hydrology, 2022, 612, 128045.	5.4	4
28	Exploration of submarine groundwater discharge using a drone in a coastal area of Hiji town, Oita Prefecture, Japan in summer. Journal of Japanese Association of Hydrological Sciences, 2016, 46, 29-38.	0.2	3
29	Estimation of submarine groundwater discharge and its impact on the nutrient environment at Kamaiso beach, Yamagata, Japan. Nippon Suisan Gakkaishi, 2019, 85, 30-39.	0.1	2
30	Linkage between watershed and estuary estimated from the stable isotope analysis of the intertidal snail, <i>Batillaria multiformis</i>. Plankton and Benthos Research, 2019, 14, 97-104.	0.6	2
31	4. Investigate the origin of nutrients of fisheries resources by stable isotope analysis. Nippon Suisan Gakkaishi, 2014, 80, 840-840.	0.1	0
32	Methodology for Nexus Approach Toward Sustainable Use of Geothermal Hot Spring Resources. Frontiers in Water, 2021, 3, .	2.3	0
33	â…¡-2. Influence of groundwater discharge on biological production and fisheries resources in coastal seas. Nippon Suisan Gakkaishi, 2017, 83, 1013-1013.	0.1	0