

Masahiro Suzumura

List of Publications by Year in descending order

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35
papers

1,148
citations

430442

18
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014, 4, 1011-1016.	8.1	159
2	Characterization of dissolved organic phosphorus in coastal seawater using ultrafiltration and phosphohydrolytic enzymes. <i>Limnology and Oceanography</i> , 1998, 43, 1553-1564.	1.6	105
3	Mineralization of inositol hexaphosphate in aerobic and anaerobic marine sediments: Implications for the phosphorus cycle. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1021-1026.	1.6	97
4	Origin and distribution of inositol hexaphosphate in estuarine and coastal sediments. <i>Limnology and Oceanography</i> , 1995, 40, 1254-1261.	1.6	62
5	Microbiological nitrogen transformation in carbonate sediments of a coral-reef lagoon and associated seagrass beds. <i>Marine Ecology - Progress Series</i> , 2001, 217, 273-286.	0.9	61
6	Phospholipids in marine environments: a review. <i>Talanta</i> , 2005, 66, 422-434.	2.9	58
7	Effects of seawater acidification on hydrolytic enzyme activities. <i>Journal of Oceanography</i> , 2010, 66, 233-241.	0.7	58
8	Distribution and characteristics of suspended particulate matter in a heavily eutrophic estuary, Tokyo Bay, Japan. <i>Marine Pollution Bulletin</i> , 2004, 49, 496-503.	2.3	51
9	Blue carbon in human-dominated estuarine and shallow coastal systems. <i>Ambio</i> , 2016, 45, 290-301.	2.8	51
10	Dissolved Phosphorus Pools and Alkaline Phosphatase Activity in the Euphotic Zone of the Western North Pacific Ocean. <i>Frontiers in Microbiology</i> , 2012, 3, 99.	1.5	49
11	Distribution and dynamics of various forms of phosphorus in seawater: insights from field observations in the Pacific Ocean and a laboratory experiment. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1113-1130.	0.6	48
12	Persulfate chemical wet oxidation method for the determination of particulate phosphorus in comparison with a high-temperature dry combustion method. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 619-629.	1.0	47
13	Isolation and determination of inositol hexaphosphate in sediments from Tokyo Bay. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2197-2202.	1.6	40
14	Differences in elimination efficiencies of <i>Escherichia coli</i> in freshwater and seawater as a result of TiO ₂ photocatalysis. <i>Water Research</i> , 2013, 47, 2770-2776.	5.3	37
15	Cycling of phosphorus maintains the production of microphytobenthic communities in carbonate sediments of a coral reef. <i>Limnology and Oceanography</i> , 2002, 47, 771-781.	1.6	31
16	Title is missing!. <i>Journal of Oceanography</i> , 2000, 56, 667-673.	0.7	29
17	Sensitive determination of enzymatically labile dissolved organic phosphorus and its vertical profiles in the oligotrophic western North Pacific and East China Sea. <i>Journal of Oceanography</i> , 2013, 69, 357-367.	0.7	29
18	Concentrations of lipid phosphorus and its abundance in dissolved and particulate organic phosphorus in coastal seawater. <i>Marine Chemistry</i> , 2001, 75, 141-149.	0.9	28

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19	Heterotrophic bacterial production and extracellular enzymatic activity in sinking particulate matter in the western North Pacific Ocean. <i>Frontiers in Microbiology</i> , 2012, 3, 379.	1.5	20
20	Denitrification in a seashore sandy deposit influenced by groundwater discharge. <i>Biogeochemistry</i> , 2003, 63, 187-205.	1.7	18
21	Effects of seawater acidification by ocean CO ₂ sequestration on bathypelagic prokaryote activities. <i>Journal of Oceanography</i> , 2010, 66, 571-580.	0.7	17
22	Phosphorus Cycling at the Sediment-Water Interface in a Eutrophic Environment of Tokyo Bay, Japan. <i>Oceanography in Japan</i> , 2003, 12, 501-516.	0.5	9
23	Application of solid-phase extraction technique for determination of phosphorus in sediment extract.. <i>Geochemical Journal</i> , 1995, 29, 331-335.	0.5	8
24	Development of a Risk Assessment Tool for CO ₂ Geological Storage: "GERAS-CO ₂ GS"™. <i>Energy Procedia</i> , 2013, 37, 2828-2839.	1.8	6
25	CO ₂ Uptake in the Shallow Coastal Ecosystems Affected by Anthropogenic Impacts. , 2019, , 295-319.		6
26	Effects of CO ₂ -Induced Seawater Acidification on Microbial Processes Involving Dissolved Organic Matter. <i>Energy Procedia</i> , 2013, 37, 5962-5969.	1.8	5
27	Phosphorus behavior in sediments during a sub-seabed CO ₂ controlled release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 102-109.	2.3	5
28	Applicability of steel slag as a substrate in eelgrass (<i>Zostera marina</i> L.) beds restoration in coastal Japan. <i>Ecological Engineering</i> , 2015, 81, 418-427.	1.6	4
29	Fractionation of Phosphorus in Steelmaking Slags and Aquatic Particulate Materials Using a Sequential Extraction Technique. <i>ISIJ International</i> , 2015, 55, 183-189.	0.6	4
30	Fractionation of Organic Phosphorus Compounds in Marine Sediment Using Acid-alkali Sequential Extraction Technique.. <i>Journal of Japan Society on Water Environment</i> , 1993, 16, 416-423.	0.1	2
31	Methods for Determining Rates of Protein Synthesis via Dark CO ₂ Fixation by Marine Prokaryote. <i>Analytical Letters</i> , 2011, 44, 1739-1745.	1.0	2
32	Schematic Feasibility Study of Bio-CCS Technology. <i>Energy Procedia</i> , 2014, 63, 8062-8068.	1.8	2
33	Exposure Experiments of Geochemical Reference Samples to CO ₂ -saturated Seawater. <i>Energy Procedia</i> , 2013, 37, 5955-5961.	1.8	0
34	Nutrient dynamics in core sediments of an artificial basal medium prepared with steelmaking slag and dredged materials. <i>Journal of Oceanography</i> , 2016, 72, 867-881.	0.7	0
35	Sustainable Exploitation of Marine Resources. <i>Trends in the Sciences</i> , 2021, 26, 1_42-1_47.	0.0	0