

Masahiro Suzumura

List of Publications by Citations

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35
papers

918
citations

18
h-index

30
g-index

35
ext. papers

1,036
ext. citations

4.1
avg, IF

4.02
L-index

#	Paper	IF	Citations
35	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014 , 4, 1011-1016	21.4	129
34	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	5.5	84
33	Characterization of dissolved organic phosphorus in coastal seawater using ultrafiltration and phosphohydrolytic enzymes. <i>Limnology and Oceanography</i> , 1998 , 43, 1553-1564	4.8	69
32	Phospholipids in marine environments: a review. <i>Talanta</i> , 2005 , 66, 422-34	6.2	53
31	Origin and distribution of inositol hexaphosphate in estuarine and coastal sediments. <i>Limnology and Oceanography</i> , 1995 , 40, 1254-1261	4.8	52
30	Effects of seawater acidification on hydrolytic enzyme activities. <i>Journal of Oceanography</i> , 2010 , 66, 233-241	4.9	47
29	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	2.6	46
28	Distribution and characteristics of suspended particulate matter in a heavily eutrophic estuary, Tokyo Bay, Japan. <i>Marine Pollution Bulletin</i> , 2004 , 49, 496-503	6.7	42
27	Blue carbon in human-dominated estuarine and shallow coastal systems. <i>Ambio</i> , 2016 , 45, 290-301	6.5	39
26	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	5.7	37
25	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	2.6	35
24	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	2.5	34
23	Isolation and determination of inositol hexaphosphate in sediments from Tokyo Bay. <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 2197-2202	5.5	32
22	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	4.8	30
21	Differences in elimination efficiencies of Escherichia coli in freshwater and seawater as a result of TiO ₂ photocatalysis. <i>Water Research</i> , 2013 , 47, 2770-6	12.5	29
20	Control of Phosphate Concentration through Adsorption and Desorption Processes in Groundwater and Seawater Mixing at Sandy Beaches in Tokyo Bay, Japan. <i>Journal of Oceanography</i> , 2000 , 56, 667-673	1.9	26
19	Concentrations of lipid phosphorus and its abundance in dissolved and particulate organic phosphorus in coastal seawater. <i>Marine Chemistry</i> , 2001 , 75, 141-149	3.7	25

18	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	1.9	22
17	Effects of seawater acidification by ocean CO ₂ sequestration on bathypelagic prokaryote activities. <i>Journal of Oceanography</i> , 2010 , 66, 571-580	1.9	16
16	Denitrification in a seashore sandy deposit influenced by groundwater discharge. <i>Biogeochemistry</i> , 2003 , 63, 187-205	3.8	15
15	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	5.7	13
14	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	8
13	Development of a Risk Assessment Tool for CO ₂ Geological Storage: TERAS-CO ₂ GS <i>Energy Procedia</i> , 2013 , 37, 2828-2839	2.3	5
12	Effects of CO ₂ -Induced Seawater Acidification on Microbial Processes Involving Dissolved Organic Matter. <i>Energy Procedia</i> , 2013 , 37, 5962-5969	2.3	5
11	Application of solid-phase extraction technique for determination of phosphorus in sediment extract.. <i>Geochemical Journal</i> , 1995 , 29, 331-335	0.9	5
10	CO ₂ Uptake in the Shallow Coastal Ecosystems Affected by Anthropogenic Impacts 2019 , 295-319		5
9	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	4.2	4
8	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	3.9	3
7	Schematic Feasibility Study of Bio-CCS Technology. <i>Energy Procedia</i> , 2014 , 63, 8062-8068	2.3	2
6	Methods for Determining Rates of Protein Synthesis via Dark CO ₂ Fixation by Marine Prokaryote. <i>Analytical Letters</i> , 2011 , 44, 1739-1745	2.2	2
5	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	0.2	2
4	Fractionation of Phosphorus in Steelmaking Slags and Aquatic Particulate Materials Using a Sequential Extraction Technique. <i>ISIJ International</i> , 2015 , 55, 183-189	1.7	2
3	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	1.9	
2	Exposure Experiments of Geochemical Reference Samples to CO ₂ -saturated Seawater. <i>Energy Procedia</i> , 2013 , 37, 5955-5961	2.3	
1	Sustainable Exploitation of Marine Resources. <i>Trends in the Sciences</i> , 2021 , 26, 1_42-1_47	0	

