Yohei Matsui

List of Publications by Year
in descending order

30 papers	1,699 citations	567281 15 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	2457 citing authors

#	Article	IF	Citations
1	Isolation of an archaeon at the prokaryoteâ€“eukaryote interface. Nature, 2020, 577, 519-525.	27.8	449
2	The cumulative impact of annual coral bleaching can turn some coral species winners into losers. Global Change Biology, 2014, 20, 3823-3833.	9.5	352
3	Coral Energy Reserves and Calcification in a High-CO2 World at Two Temperatures. PLoS ONE, 2013, 8, e75049.	2.5	137
4	Microelectrode characterization of coral daytime interior pH and carbonate chemistry. Nature Communications, 2016, 7, 11144.	12.8	115
5	Microbial community and geochemical analyses of trans-trench sediments for understanding the roles of hadal environments. ISME Journal, 2020, 14, 740-756.	9.8	99
6	Production mechanism and global budget of N2O inferred from its isotopomers in the western North Pacific. Geophysical Research Letters, 2002, 29, 7-1.	4.0	98
7	Physiological response to elevated temperature and pCO2 varies across four Pacific coral species: Understanding the unique host+symbiont response. Scientific Reports, 2015, 5, 18371.	3.3	72
8	Photoautotrophic and heterotrophic carbon in bleached and non-bleached coral lipid acquisition and storage. Journal of Experimental Marine Biology and Ecology, 2014, 461, 469-478.	1.5	60
9	Hydrogen and carbon isotope systematics in hydrogenotrophic methanogenesis under H2-limited and H2-enriched conditions: implications for the origin of methane and its isotopic diagnosis. Progress in Earth and Planetary Science, 2016, 3, .	3.0	35
10	Response of N2O production rate to ocean acidification in the western North Pacific. Nature Climate Change, 2019, 9, 954-958.	18.8	31
11	Hadal water biogeochemistry over the Izuâ€“Ogasawara Trench observed with a full-depth CTD-CMS. Ocean Science, 2018, 14, 575-588.	3.4	28
12	Global perturbations of carbon cycle during the Triassicâ€“Jurassic transition recorded in the mid-Panthalassa. Earth and Planetary Science Letters, 2018, 500, 105-116.	4.4	26
13	Peptide Synthesis under the Alkaline Hydrothermal Conditions on Enceladus. ACS Earth and Space Chemistry, 2019, 3, 2559-2568.	2.7	20
14	Shift in limiting nutrients in the late Ediacaranâ€“early Cambrian marine systems of South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 530, 281-299.	2.3	18
15	Cultivable microbial community in 2-km-deep, 20-million-year-old subseafloor coalbeds through ~1000 days anaerobic bioreactor cultivation. Scientific Reports, 2019, 9, 2305.	3.3	17
16	Nitrate Isotope Distribution in the Subarctic and Subtropical North Pacific. Geochemistry, Geophysics, Geosystems, 2018, 19, 2212-2224.	2.5	16
17	Redox condition and nitrogen cycle in the Permian deep mid-ocean: A possible contrast between Panthalassa and Tethys. Global and Planetary Change, 2019, 172, 179-199.	3.5	16
18	High-temperature acclimation strategies within the thermally tolerant endosymbiont Symbiodinium trenchii and its coral host, Turbinaria reniformis, differ with changing pCO 2 and nutrients. Marine Biology, 2016, 163, 1.	1.5	14

#	Article	IF	Citations
19	Possible links between holothurian lipid compositions and differences in organic matter (OM) supply at the western Pacific abyssal plains. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 152, 103085.	1.4	13
20	Redox conditions and nitrogen cycling during the Triassic-Jurassic transition: A new perspective from the mid-Panthalassa. Earth-Science Reviews, 2020, 204, 103173.	9.1	13
21	Moderate nutrient concentrations are not detrimental to corals under future ocean conditions. Marine Biology, 2021, 168, 1.	1.5	12
22	Abyssal fauna, benthic microbes, and organic matter quality across a range of trophic conditions in the western Pacific ocean. Progress in Oceanography, 2021, 195, 102591.	3.2	10
23	In situ experimental evidences for responses of abyssal benthic biota to shifts in phytodetritus compositions linked to global climate change. Global Change Biology, 2021, 27, 6139-6155.	9.5	7
24	Hydrogen and carbon isotope fractionation factors of aerobic methane oxidation in deep-sea water. Biogeosciences, 2021, 18, 5351-5362.	3.3	5
25	Preâ€treatment Methods for Accurate Determination of Total Nitrogen and Organic Carbon Contents and their Stable Isotopic Compositions: Reâ€evaluation from Geological Reference Materials. Geostandards and Geoanalytical Research, 2022, 46, 5-19.	3.1	5
26	Radiocarbon content of carbon dioxide and methane in hydrothermal fluids of Okinawa Trough vents. Geochemical Journal, 2020, 54, 129-138.	1.0	4
27	The origin of methane in serpentinite-hosted hyperalkaline hot spring at Hakuba Happo, Japan: Radiocarbon, methane isotopologue and noble gas isotope approaches. Earth and Planetary Science Letters, 2022, 585, 117510.	4.4	3
28	Experimental Simulations of Hypervelocity Impact Penetration of Asteroids Into the Terrestrial Ocean and Benthic Cratering. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006291.	3.6	2
29	Gold-coated silver capsule for elemental analyzer-isotope ratio mass spectrometer: Robust against pretreatment of rock material for organic carbon and Î´¹³C analyses. Geochemical Journal, 2021, 55, e1-e8.	1.0	1
30	Abiotic Methane Generation via CO 2 Hydrogenation With Natural Chromitite Under Hydrothermal Conditions. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009533.	2.5	0