

Matheus C Carvalho

List of Publications by Year in descending order

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26
papers

378
citations

933264

10
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794469

19
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29
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Novel Use of Cavity Ring-down Spectroscopy to Investigate Aquatic Carbon Cycling from Microbial to Ecosystem Scales. <i>Environmental Science & Technology</i> , 2013, 47, 12938-12945.	4.6	70
2	Osmar, the open-source microsyringe autosampler. <i>HardwareX</i> , 2018, 3, 10-38.	1.1	46
3	A low cost, easy to build, portable, and universal autosampler for liquids. <i>Methods in Oceanography</i> , 2013, 8, 23-32.	1.5	29
4	Stable carbon isotope analysis of dissolved inorganic carbon (DIC) and dissolved organic carbon (DOC) in natural waters – Results from a worldwide proficiency test. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2099-2107.	0.7	28
5	Carbon stable isotope discrimination during respiration in three seaweed species. <i>Marine Ecology - Progress Series</i> , 2011, 437, 41-49.	0.9	23
6	SHORT-TERM MEASUREMENT OF CARBON STABLE ISOTOPE DISCRIMINATION IN PHOTOSYNTHESIS AND RESPIRATION BY AQUATIC MACROPHYTES, WITH MARINE MACROALGAL EXAMPLES. <i>Journal of Phycology</i> , 2009, 45, 761-770.	1.0	21
7	Carbon stable isotope discrimination: a possible growth index for the kelp <i>Undaria pinnatifida</i> . <i>Marine Ecology - Progress Series</i> , 2009, 381, 71-82.	0.9	17
8	Physical and biogeochemical correlates of spatio-temporal variation in the $\delta^{13}\text{C}$ of marine macroalgae. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 157, 7-18.	0.9	15
9	Integration of Analytical Instruments with Computer Scripting. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 328-333.	2.8	13
10	Respiration of new and old carbon in the surface ocean: Implications for estimates of global oceanic gross primary productivity. <i>Global Biogeochemical Cycles</i> , 2017, 31, 975-984.	1.9	13
11	Auto-HPGe, an autosampler for gamma-ray spectroscopy using high-purity germanium (HPGe) detectors and heavy shields. <i>HardwareX</i> , 2018, 4, e00040.	1.1	12
12	TEMPERATURE EFFECT ON CARBON ISOTOPIC DISCRIMINATION BY <i>UNDARIA PINNATIFIDA</i> (PHAEOPHYTA) IN A CLOSED EXPERIMENTAL SYSTEM. <i>Journal of Phycology</i> , 2010, 46, 1180-1186.	1.0	11
13	Measurement of planktonic CO ₂ respiration in the light. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 167-178.	1.0	10
14	Environment determines nitrogen content and stable isotope composition in the sporophyte of <i>Undaria pinnatifida</i> (Harvey) Suringar. <i>Journal of Applied Phycology</i> , 2008, 20, 695-703.	1.5	9
15	Drivers of carbon isotopic fractionation in a coral reef lagoon: Predominance of demand over supply. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 153, 105-115.	1.6	9
16	Technical note: Coupling infrared gas analysis and cavity ring down spectroscopy for autonomous, high-temporal-resolution measurements of DIC and $\delta^{13}\text{C}$ -DIC. <i>Biogeosciences</i> , 2017, 14, 1305-1313.	1.3	8
17	Open-source autosampler for elemental and isotopic analyses of solids. <i>HardwareX</i> , 2020, 8, e00123.	1.1	8
18	Net seaweed photosynthesis measured from changes in natural stable carbon isotope ratios in incubation water. <i>Phycologia</i> , 2014, 53, 488-492.	0.6	6

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19	Portable open-source autosampler for shallow waters. <i>HardwareX</i> , 2020, 8, e00142.	1.1	6
20	Miau, a microbalance autosampler. <i>HardwareX</i> , 2021, 10, e00215.	1.1	5
21	Sulfur stable isotopes indicate the source of sinking materials in a coastal bay: Otsuchi Bay, Sanriku, Japan. <i>Journal of Oceanography</i> , 2008, 64, 705-712.	0.7	3
22	Bulk hydrogen stable isotope composition of seaweeds: Clear separation between Ulvophyceae and other classes. <i>Journal of Phycology</i> , 2017, 53, 961-969.	1.0	2
23	Interlaboratory test for stable carbon isotope analysis of dissolved inorganic carbon in geothermal fluids. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8685.	0.7	2
24	Revisão sobre o uso de ferramentas múltiplas em estudos tróficos de comunidade de peixes. <i>Neotropical Biology and Conservation</i> , 2014, 9, .	0.4	2
25	Light respiration by subtropical seaweeds. <i>Journal of Phycology</i> , 2017, 53, 486-492.	1.0	1
26	ISÓTOPOS ESTÁVEIS APLICADOS À MEDIÇÃO DA PRODUÇÃO PRIMÁRIA EM ECOSISTEMAS AQUÁTICOS. <i>Oecologia Australis</i> , 2013, 17, 195-204.	0.1	0