Susana EnrÃ-quez

List of Publications by Year
in descending order

60 papers	4,719 citations	117453 34 h-index	149479 56 g-index
61 all docs	61 docs citations	61 times ranked	4625 citing authors

#	Article	IF	Citations
1	Patterns in decomposition rates among photosynthetic organisms: the importance of detritus C:N:P content. Oecologia, 1993, 94, 457-471.	0.9	800
2	Impact of light limitation on seagrasses. Journal of Experimental Marine Biology and Ecology, 2007, 350, 176-193.	0.7	374
3	Multiple scattering on coral skeletons enhances light absorption by symbiotic algae. Limnology and Oceanography, 2005, 50, 1025-1032.	1.6	361
4	Nitrogen fixation by symbiotic cyanobacteria provides a source of nitrogen for the scleractinian coral Montastraea cavernosa. Marine Ecology - Progress Series, 2007, 346, 143-152.	0.9	235
5	Depth-acclimation of photosynthesis, morphology and demography of Posidonia oceanica and Cymodocea nodosa in the Spanish Mediterranean Sea. Marine Ecology - Progress Series, 2002, 236, 89-97.	0.9	150
6	Growth patterns of Western Mediterranean seagrasses:species-specific responses to seasonal forcing. Marine Ecology - Progress Series, 1996, 133, 203-215.	0.9	147
7	Reserve design for uncertain responses of coral reefs to climate change. Ecology Letters, 2011, 14, 132-140.	3.0	145
8	Scaling Maximum Growth Rates Across Photosynthetic Organisms. Functional Ecology, 1996, 10, 167.	1.7	129
9	Response of holosymbiont pigments from the scleractinian coral Montipora monasteriata to short-term heat stress. Limnology and Oceanography, 2006, 51, 1149-1158.	1.6	114
10	Form-function analysis of the effect of canopy morphology on leaf self-shading in the seagrass Thalassia testudinum. Oecologia, 2005, 145, 234-242.	0.9	108
11	Key functional role of the optical properties of coral skeletons in coral ecology and evolution. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20161667.	1.2	102
12	Variations in the photosynthetic performance along the leaves of the tropical seagrass Thalassia testudinum. Marine Biology, 2002, 140, 891-900.	0.7	98
13	Magnitude and fate of the production of four co-occurring Western Mediterranean seagrass species. Marine Ecology - Progress Series, 1997, 155, 29-44.	0.9	92
14	Broad-scale comparison of photosynthetic rates across phototrophic organisms. Oecologia, 1996, 108, 197-206.	0.9	91
15	Light Harvesting Among Photosynthetic Organisms. Functional Ecology, 1994, 8, 273.	1.7	86
16	Light absorption by marine macrophytes. Oecologia, 1994, 98, 121-129.	0.9	76
17	Coralline algal physiology is more adversely affected by elevated temperature than reduced pH. Scientific Reports, 2016, 6, 19030.	1.6	75
18	Herbivory on Posidonia oceanica:magnitude and variability in the Spanish Mediterranean. Marine Ecology - Progress Series, 1996, 130, 147-155.	0.9	74

#	Article	IF	Citations
19	Epiphyte Accrual on Posidonia oceanica (L.) Delile Leaves: Implications for Light Absorption. Botanica Marina, 1999, 42, .	0.6	70
20	Seasonal variation modulates coral sensibility to heat-stress and explains annual changes in coral productivity. Scientific Reports, 2017, 7, 4937.	1.6	70
21	Photosynthesis and light utilization in the Caribbean coral Montastraea faveolata recovering from a bleaching event. Limnology and Oceanography, 2006, 51, 2702-2710.	1.6	69
22	Multiple light scattering and absorption in reef-building corals. Applied Optics, 2010, 49, 5032.	2.1	68
23	Light absorption efficiency and the package effect in the leaves of the seagrass Thalassia testudinum. Marine Ecology - Progress Series, 2005, 289, 141-150.	0.9	67
24	Migration of largeâ€scale subaqueous bedforms measured with seagrasses (Cymodocea nodosa) as tracers. Limnology and Oceanography, 1994, 39, 126-133.	1.6	65
25	Direct contribution of the seagrass Thalassia testudinum to lime mud production. Nature Communications, 2014, 5, 3835.	5.8	61
26	Changes in the Number of Symbionts and Symbiodinium Cell Pigmentation Modulate Differentially Coral Light Absorption and Photosynthetic Performance. Frontiers in Marine Science, 0, 4, .	1.2	60
27	The Use of the Fluorescence Signal in Studies of Seagrasses and Macroalgae. , 2010, , 187-208.		55
28	Effects of seagrass Thalassia testudinum on sediment redox. Marine Ecology - Progress Series, 2001, 219, 149-158.	0.9	55
29	Remote Sensing of Coral Bleaching Using Temperature and Light: Progress towards an Operational Algorithm. Remote Sensing, 2018, 10, 18.	1.8	54
30	Effect of water flow on the photosynthesis of three marine macrophytes from a fringing-reef lagoon. Marine Ecology - Progress Series, 2006, 323, 119-132.	0.9	53
31	Leaf photoacclimatory responses of the tropical seagrass Thalassia testudinum under mesocosm conditions: a mechanistic scalingâ€up study. New Phytologist, 2007, 176, 108-123.	3.5	49
32	Patterns in the photosynthetic metabolism of Mediterranean macrophytes. Marine Ecology - Progress Series, 1995, 119, 243-252.	0.9	49
33	Comparative functional plant ecology: rationale and potentials. Trends in Ecology and Evolution, 1995, 10, 418-421.	4.2	42
34	Phenotypic plasticity in a mutualistic association between the sponge Haliclona caerulea and the calcareous macroalga Jania adherens induced by transplanting experiments. I: morphological responses of the sponge. Marine Biology, 2006, 148, 467-478.	0.7	40
35	Mediterranean seagrasses. Botanica Marina, 2009, 52, 369-381.	0.6	37
36	Leaf and canopy scale characterization of the photoprotective response to high-light stress of the seagrassThalassia testudinum. Limnology and Oceanography, 2015, 60, 286-302.	1.6	37

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37	Light absorption by seagrass Posidonia oceanica leaves. Marine Ecology - Progress Series, 1992, 86, 201-204.	0.9	36
38	Variation in Light Absorption Properties of Mentha aquatica L. as a Function of Leaf Form: Implications for Plant Growth. International Journal of Plant Sciences, 2003, 164, 125-136.	0.6	35
39	Optical properties of canopies of the tropical seagrass Thalassia testudinum estimated by a threeâ€dimensional radiative transfer model. Limnology and Oceanography, 2010, 55, 1537-1550.	1.6	35
40	Annual variation in leaf photosynthesis and leaf nutrient content of four Mediterranean seagrasses. Botanica Marina, 2004, 47, .	0.6	34
41	Remote underwater video reveals higher fish diversity and abundance in seagrass meadows, and habitat differences in trophic interactions. Scientific Reports, 2019, 9, 6596.	1.6	33
42	Structural complexity governs seagrass acclimatization to depth with relevant consequences for meadow production, macrophyte diversity and habitat carbon storage capacity. Scientific Reports, 2019, 9, 14657.	1.6	29
43	Elucidating gene expression adaptation of phylogenetically divergent coral holobionts under heat stress. Nature Communications, 2021, 12, 5731.	5.8	29
44	Absorptance determinations on multicellular tissues. Photosynthesis Research, 2017, 132, 311-324.	1.6	28
45	Redefining Thermal Regimes to Design Reserves for Coral Reefs in the Face of Climate Change. PLoS ONE, 2014, 9, e110634.	1.1	24
46	Is the photo-acclimatory response of Rhodophyta conditioned by the species carotenoid profile?. Limnology and Oceanography, 2011, 56, 2347-2361.	1.6	23
47	Remote Sensing of Seagrass Leaf Area Index and Species: The Capability of a Model Inversion Method Assessed by Sensitivity Analysis and Hyperspectral Data of Florida Bay. Frontiers in Marine Science, 0, 4, .	1.2	21
48	PHENOTYPIC PLASTICITY INDUCED IN TRANSPLANT EXPERIMENTS IN A MUTUALISTIC ASSOCIATION BETWEEN THE RED ALGA JANIA ADHAERENS (RHODOPHYTA, CORALLINALES) AND THE SPONGE HALICLONA CAERULEA (PORIFERA: HAPLOSCLERIDA): MORPHOLOGICAL RESPONSES OF THE ALGA¹. Journal of Phycology, 2009, 45, 81-90.	1.0	20
49	Light Absorption in Coralline Algae (Rhodophyta): A Morphological and Functional Approach to Understanding Species Distribution in a Coral Reef Lagoon. Frontiers in Marine Science, 2017, 4, .	1.2	20
50	The role of the endolithic alga Ostreobium spp. during coral bleaching recovery. Scientific Reports, 2022, 12, 2977.	1.6	18
51	Effect of Inorganic and Organic Carbon Enrichments (DIC and DOC) on the Photosynthesis and Calcification Rates of Two Calcifying Green Algae from a Caribbean Reef Lagoon. PLoS ONE, 2016, 11, e0160268.	1.1	13
52	Towards a trait-based understanding of Symbiodiniaceae nutrient acquisition strategies. Coral Reefs, 2021, 40, 625-639.	0.9	12
53	Attributing reductions in coral calcification to the saturation state of aragonite, comments on the effects of persistent natural acidification. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E300-1.	3.3	10
54	Microstructural variation in oxygen isotopes and elemental calcium ratios in the coral skeleton of Orbicella annularis. Chemical Geology, 2015, 419, 192-199.	1.4	10

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55	Functional implications of the form of Codium bursa, a balloon-like Mediterranean macroalga. Marine Ecology - Progress Series, 1994, 108, 153-160.	0.9	9
56	A Road Map for the Development of the Bleached Coral Phenotype. Frontiers in Marine Science, 2022, 9, .	1.2	7
57	Microbial heterotrophs within Codium bursa: a naturally isolated microbial food web. Marine Ecology - Progress Series, 1994, 109, 275-282.	0.9	6
58	Validation of parameters and protocols derived from chlorophyll. Functional Plant Biology, 2022, 49, 517-532.	1.1	5
59	Seagrass Depth Distribution Mirrors Coastal Development in the Mexican Caribbean â€“ An Automated Analysis of 800 Satellite Images. Frontiers in Marine Science, 2021, 8, .	1.2	4
60	Studies of absorption and scattering of light on a model coral. , 2006, , .		0