Susana Enrquez

List of Publications by Citations

58 papers	3,532 citations	33 h-index	59 g-index
61 ext. papers	4,114 ext. citations	4.4 avg, IF	5.26 L-index

#	Paper	IF	Citations
58	Patterns in decomposition rates among photosynthetic organisms: the importance of detritus C:N:P content. *Oecologia*, **1993**, 94, 457-471	2.9	652
57	Impact of light limitation on seagrasses. *Journal of Experimental Marine Biology and Ecology*, **2007**, 350, 176-193	2.1	280
56	Multiple scattering on coral skeletons enhances light absorption by symbiotic algae. *Limnology and Oceanography*, **2005**, 50, 1025-1032	4.8	259
55	Nitrogen fixation by symbiotic cyanobacteria provides a source of nitrogen for the scleractinian coral Montastraea cavernosa. *Marine Ecology - Progress Series*, **2007**, 346, 143-152	2.6	188
54	Reserve design for uncertain responses of coral reefs to climate change. *Ecology Letters*, **2011**, 14, 132-40	10	120
53	Growth patterns of Western Mediterranean seagrasses:species-specific responses to seasonal forcing. *Marine Ecology - Progress Series*, **1996**, 133, 203-215	2.6	120
52	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	2.6	112
51	Scaling Maximum Growth Rates Across Photosynthetic Organisms. *Functional Ecology*, **1996**, 10, 167	5.6	102
50	Response of holosymbiont pigments from the scleractinian coral Montipora monasteriata to short-term heat stress. *Limnology and Oceanography*, **2006**, 51, 1149-1158	4.8	97
49	Form-function analysis of the effect of canopy morphology on leaf self-shading in the seagrass Thalassia testudinum. *Oecologia*, **2005**, 145, 235-43	2.9	81
48	Variations in the photosynthetic performance along the leaves of the tropical seagrass Thalassia testudinum. *Marine Biology*, **2002**, 140, 891-900	2.5	80
47	Broad-scale comparison of photosynthetic rates across phototrophic organisms. *Oecologia*, **1996**, 108, 197-206	2.9	76
46	Magnitude and fate of the production of four co-occurring Western Mediterranean seagrass species. *Marine Ecology - Progress Series*, **1997**, 155, 29-44	2.6	74
45	Light absorption by marine macrophytes. *Oecologia*, **1994**, 98, 121-129	2.9	65
44	Herbivory on Posidonia oceanica:magnitude and variability in the Spanish Mediterranean. *Marine Ecology - Progress Series*, **1996**, 130, 147-155	2.6	62
43	Light Harvesting Among Photosynthetic Organisms. *Functional Ecology*, **1994**, 8, 273	5.6	58
42	Epiphyte Accrual on Posidonia oceanica (L.) Delile Leaves: Implications for Light Absorption. *Botanica Marina*, **1999**, 42,	1.8	56

41	Coralline algal physiology is more adversely affected by elevated temperature than reduced pH. *Scientific Reports*, **2016**, 6, 19030	4.9	53
40	Light absorption efficiency and the package effect in the leaves of the seagrass Thalassia testudinum. *Marine Ecology - Progress Series*, **2005**, 289, 141-150	2.6	52
39	Migration of large-scale subaqueous bedforms measured with seagrasses (Cymodocea nodosa) as tracers. *Limnology and Oceanography*, **1994**, 39, 126-133	4.8	51
38	Effect of water flow on the photosynthesis of three marine macrophytes from a fringing-reef lagoon. *Marine Ecology - Progress Series*, **2006**, 323, 119-132	2.6	47
37	Photosynthesis and light utilization in the Caribbean coral Montastraea faveolata recovering from a bleaching event. *Limnology and Oceanography*, **2006**, 51, 2702-2710	4.8	42
36	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,	4.4	41
35	Seasonal variation modulates coral sensibility to heat-stress and explains annual changes in coral productivity. *Scientific Reports*, **2017**, 7, 4937	4.9	41
34	Multiple light scattering and absorption in reef-building corals. *Applied Optics*, **2010**, 49, 5032-42	0.2	40
33	Patterns in the photosynthetic metabolism of Mediterranean macrophytes. *Marine Ecology - Progress Series*, **1995**, 119, 243-252	2.6	40
32	Effects of seagrass Thalassia testudinum on sediment redox. *Marine Ecology - Progress Series*, **2001**, 219, 149-158	2.6	40
31	Direct contribution of the seagrass Thalassia testudinum to lime mud production. *Nature Communications*, **2014**, 5, 3835	17.4	38
30	The Use of the Fluorescence Signal in Studies of Seagrasses and Macroalgae **2010**, 187-208		38
29	Leaf photoacclimatory responses of the tropical seagrass Thalassia testudinum under mesocosm conditions: a mechanistic scaling-up study. *New Phytologist*, **2007**, 176, 108-123	9.8	38
28	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	2.5	37
27	Comparative functional plant ecology: rationale and potentials. *Trends in Ecology and Evolution*, **1995**, 10, 418-21	10.9	36
26	Remote Sensing of Coral Bleaching Using Temperature and Light: Progress towards an Operational Algorithm. *Remote Sensing*, **2018**, 10, 18	5	34
25	Optical properties of canopies of the tropical seagrass Thalassia testudinum estimated by a three-dimensional radiative transfer model. *Limnology and Oceanography*, **2010**, 55, 1537-1550	4.8	33
24	Leaf and canopy scale characterization of the photoprotective response to high-light stress of the seagrass Thalassia testudinum. *Limnology and Oceanography*, **2015**, 60, 286-302	4.8	31

23	Light absorption by seagrass Posidonia oceanica leaves. *Marine Ecology - Progress Series*, **1992**, 86, 201-204	2.6	31
22	Annual variation in leaf photosynthesis and leaf nutrient content of four Mediterranean seagrasses. *Botanica Marina*, **2004**, 47,	1.8	30
21	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	2.6	29
20	Mediterranean seagrasses. *Botanica Marina*, **2009**, 52,	1.8	28
19	Remote underwater video reveals higher fish diversity and abundance in seagrass meadows, and habitat differences in trophic interactions. *Scientific Reports*, **2019**, 9, 6596	4.9	21
18	Redefining thermal regimes to design reserves for coral reefs in the face of climate change. *PLoS ONE*, **2014**, 9, e110634	3.7	21
17	Changes in the Number of Symbionts and Symbiodinium Cell Pigmentation Modulate Differentially Coral Light Absorption and Photosynthetic Performance. *Frontiers in Marine Science*, **2017**, 4,	4.5	19
16	Absorptance determinations on multicellular tissues. *Photosynthesis Research*, **2017**, 132, 311-324	3.7	17
15	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 ALGA(1). *Journal of Phycology*, **2009**, 45, 81-90	3	17
14	Is the photo-acclimatory response of Rhodophyta conditioned by the species carotenoid profile?. *Limnology and Oceanography*, **2011**, 56, 2347-2361	4.8	17
13	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*, **2017**, 4,	4.5	16
12	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	4.9	15
11	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,	4.5	13
10	Microstructural variation in oxygen isotopes and elemental calcium ratios in the coral skeleton of Orbicella annularis. *Chemical Geology*, **2015**, 419, 192-199	4.2	7
9	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	3.7	7
8	Functional implications of the form of Codium bursa, a balloon-like Mediterranean macroalga. *Marine Ecology - Progress Series*, **1994**, 108, 153-160	2.6	7
7	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	11.5	6
6	Elucidating gene expression adaptation of phylogenetically divergent coral holobionts under heat stress. *Nature Communications*, **2021**, 12, 5731	17.4	6

5	Towards a trait-based understanding of Symbiodiniaceae nutrient acquisition strategies. *Coral Reefs*, **2021**, 40, 625-639	4.2	4
4	Microbial heterotrophs within Codium bursa: a naturally isolated microbial food web. *Marine Ecology - Progress Series*, **1994**, 109, 275-282	2.6	3
3	Seagrass Depth Distribution Mirrors Coastal Development in the Mexican Caribbean An Automated Analysis of 800 Satellite Images. *Frontiers in Marine Science*, **2021**, 8,	4.5	2
2	Validation of parameters and protocols derived from chlorophyll a fluorescence commonly utilised in marine ecophysiological studies. *Functional Plant Biology*, **2021**,	2.7	1
1	The role of the endolithic alga Ostreobium spp. during coral bleaching recovery.. *Scientific Reports*, **2022**, 12, 2977	4.9	1