Jose Lucas Perez-Llorens

List of Publications by Year
in descending order

84 papers	3,155 citations	117453 34 h-index	168136 53 g-index
85 all docs	85 docs citations	85 times ranked	2400 citing authors

#	Article	IF	Citations
1	Recent trend reversal for declining European seagrass meadows. Nature Communications, 2019, 10, 3356.	5.8	227
2	Effects of light availability on growth, architecture and nutrient content of the seagrass Zostera noltii Hornem. Journal of Experimental Marine Biology and Ecology, 2002, 269, 9-26.	0.7	139
3	BIOMASS AND DYNAMICS OF GROWTH OF ULVA SPECIES IN PALMONES RIVER ESTUARY1. Journal of Phycology, 1997, 33, 764-772.	1.0	135
4	Within-population spatial genetic structure, neighbourhood size and clonal subrange in the seagrass Cymodocea nodosa. Molecular Ecology, 2005, 14, 2669-2681.	2.0	123
5	Assessing the toxicity of ammonium pulses to the survival and growth of Zostera noltii. Marine Ecology - Progress Series, 2002, 225, 177-187.	0.9	123
6	The rise of seaweed gastronomy: phycogastronomy. Botanica Marina, 2019, 62, 195-209.	0.6	89
7	Morphometric variations as acclimation mechanisms in Zostera noltii beds. Estuarine, Coastal and Shelf Science, 2005, 64, 347-356.	0.9	80
8	World cuisine of seaweeds: Science meets gastronomy. International Journal of Gastronomy and Food Science, 2018, 14, 55-65.	1.3	77
9	Seasonal dynamics of biomass and nutrient content in the intertidal seagrass Zostera noltii Hornem. from Palmones River estuary, Spain. Aquatic Botany, 1993, 46, 49-66.	0.8	74
10	Biochemical responses and photosynthetic performance of Gracilaria sp. (Rhodophyta) from CÃ¡diz, Spain, cultured under different inorganic carbon and nitrogen levels. European Journal of Phycology, 1999, 34, 497-504.	0.9	74
11	Title is missing!. Journal of Applied Phycology, 2002, 14, 375-384.	1.5	72
12	Interaction between hydrodynamics and seagrass canopy structure: Spatially explicit effects on ammonium uptake rates. Limnology and Oceanography, 2008, 53, 1531-1539.	1.6	72
13	Direct effects of current velocity on the growth, morphometry and architecture of seagrasses: a case study on Zostera noltii. Marine Ecology - Progress Series, 2006, 327, 135-142.	0.9	71
14	Effects of solar UV-B radiation on canopy structure of Ulva communities from southern Spain. Journal of Experimental Botany, 2002, 53, 2411-2421.	2.4	69
15	Title is missing!. Journal of Applied Phycology, 2002, 14, 365-374.	1.5	69
16	On the use of sediment fertilization for seagrass restoration: a mesocosm study on Zostera marina L.. Aquatic Botany, 2003, 75, 95-110.	0.8	60
17	Effect of shading by Ulva rigida canopies on growth and carbon balance of the seagrass Zostera noltii. Marine Ecology - Progress Series, 2003, 265, 85-96.	0.9	57
18	Morphological and physiological differences between two morphotypes of Zostera noltii Hornem. from the south-western Iberian Peninsula. Helgoland Marine Research, 2000, 54, 80-86.	1.3	52

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19	Increased vulnerability of Zostera noltii to stress caused by low light and elevated ammonium levels under phosphate deficiency. Marine Ecology - Progress Series, 2008, 365, 67-75.	0.9	52
20	Physiological acclimation to gradients of solar irradiance within mats of the filamentous green macroalga Chaetomorpha linum from southern Spain. Marine Ecology - Progress Series, 2006, 306, 165-175.	0.9	50
21	Photosynthetic and morphological photoacclimation of the seagrass Cymodocea nodosa to season, depth and leaf position. Marine Biology, 2013, 160, 285-297.	0.7	48
22	Leaf-fracture properties correlated with nutritional traits in nine Australian seagrass species: implications for susceptibility to herbivory. Marine Ecology - Progress Series, 2012, 458, 89-102.	0.9	47
23	Integrated outdoor culture of two estuarine macroalgae as biofilters for dissolved nutrients from Sparus auratus waste waters. Journal of Applied Phycology, 2005, 17, 557-567.	1.5	46
24	Interactions between Seagrass Complexity, Hydrodynamic Flow and Biomixing Alter Food Availability for Associated Filter-Feeding Organisms. PLoS ONE, 2014, 9, e104949.	1.1	45
25	A comprehensive analysis of mechanical and morphological traits in temperate and tropical seagrass species. Marine Ecology - Progress Series, 2016, 551, 81-94.	0.9	45
26	Studies on the biofiltration capacity of Gracilariopsis longissima: From microscale to macroscale. Aquaculture, 2006, 252, 43-53.	1.7	44
27	Patch Distribution and Within-Patch Dynamics of the Seagrass Zostera noltii Hornem. in Los ToruÃ±os Salt-Marsh, CÃ¡diz Bay, Natural Park, Spain. Botanica Marina, 2003, 46, 513-524.	0.6	42
28	SEASONAL VARIATION OF PHOTOSYNTHETIC PERFORMANCE AND LIGHT ATTENUATION IN ULVA CANOPIES FROM PALMONES RIVER ESTUARY1. Journal of Phycology, 1997, 33, 773-779.	1.0	40
29	Acclimation of seagrass Zostera noltii to co-occurring hydrodynamic and light stresses. Marine Ecology - Progress Series, 2010, 398, 127-135.	0.9	39
30	Temperature and emergence effects on the net photosynthesis of two Zostera noltii Hornem. morphotypes. Hydrobiologia, 1993, 254, 53-64.	1.0	36
31	New aspect in seagrass acclimation: leaf mechanical properties vary spatially and seasonally in the temperate species Cymodocea nodosa Ucria (Ascherson). Marine Biology, 2013, 160, 1083-1093.	0.7	36
32	Growth, carbon allocation and proteolytic activity in the seagrass Zostera noltii shaded by Ulva canopies. Functional Plant Biology, 2003, 30, 551.	1.1	35
33	The effect of photoacclimation on the photosynthetic physiology ofUlva curvataandUlva rotundata(Ulvales, Chlorophyta). European Journal of Phycology, 1996, 31, 349-359.	0.9	34
34	Clonal building, simple growth rules and phylloclimate as key steps to develop functionalÂ–structural seagrass models. Marine Ecology - Progress Series, 2006, 323, 133-148.	0.9	34
35	Acclimation Responses of Gracilaria sp. (Rhodophyta) and Enteromorpha intestinalis (Chlorophyta) to Changes in the External Inorganic Carbon Concentration. Botanica Marina, 2001, 44, .	0.6	33
36	Photoacclimation of Ulva rigida and U. rotundata (Chlorophyta) arranged in canopies. Marine Ecology - Progress Series, 1998, 165, 283-292.	0.9	33

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37	Caulerpa prolifera stable isotope ratios reveal anthropogenic nutrients within a tidal lagoon. Marine Ecology - Progress Series, 2009, 390, 117-128.	0.9	32
38	Mechanisms of inorganic carbon acquisition in Gracilaria gaditana nom. prov. (Rhodophyta). Planta, 1999, 208, 564-573.	1.6	31
39	Effects of light and biomass partitioning on growth, photosynthesis and carbohydrate content of the seagrass Zostera noltii Hornem. Journal of Experimental Marine Biology and Ecology, 2007, 345, 90-100.	0.7	31
40	Saved by seaweeds: phyconomic contributions in times of crises. Journal of Applied Phycology, 2021, 33, 443-458.	1.5	31
41	Evidence for a plasmalemma-based CO2 concentrating mechanism in Laminaria saccharina. Photosynthesis Research, 2006, 88, 259-268.	1.6	30
42	Carbon isotopic fractionation in macroalgae from CÃ¡diz Bay (Southern Spain): Comparison with other bio-geographic regions. Estuarine, Coastal and Shelf Science, 2009, 85, 449-458.	0.9	30
43	Nitrogen load and irradiance affect morphology, photosynthesis and growth of Caulerpa prolifera (Bryopsidales: Chlorophyta). Marine Ecology - Progress Series, 2005, 298, 101-114.	0.9	30
44	Characterization of proteolytic enzyme activities in macroalgae. European Journal of Phycology, 2003, 38, 55-64.	0.9	29
45	Seaweeds in mythology, folklore, poetry, and life. Journal of Applied Phycology, 2020, 32, 3157-3182.	1.5	29
46	Single-beam acoustic ground discrimination of shallow water habitats: 50kHz or 200kHz frequency survey?. Estuarine, Coastal and Shelf Science, 2008, 78, 613-622.	0.9	27
47	Interactions of light and organic matter under contrasting resource simulated environments: the importance of clonal traits in the seagrass Zostera noltii. Hydrobiologia, 2009, 629, 199-208.	1.0	27
48	Seasonal functioning and dynamics of Caulerpa prolifera meadows in shallow areas: An integrated approach in Cadiz Bay Natural Park. Estuarine, Coastal and Shelf Science, 2012, 112, 255-264.	0.9	25
49	Effects of two antagonistic ecosystem engineers on infaunal diversity. Estuarine, Coastal and Shelf Science, 2014, 139, 20-26.	0.9	25
50	Light-dependent uptake, translocation and foliar release of phosphorus by the intertidal seagrass Zostera noltii Hornem.. Journal of Experimental Marine Biology and Ecology, 1993, 166, 165-174.	0.7	24
51	Interaction between Ammonium Toxicity and Green Tide Development Over Seagrass Meadows: A Laboratory Study. PLoS ONE, 2016, 11, e0152971.	1.1	23
52	Title is missing!. Aquatic Ecology, 2000, 34, 107-117.	0.7	21
53	Microalgae: From staple foodstuff to avant-garde cuisine. International Journal of Gastronomy and Food Science, 2020, 21, 100221.	1.3	21
54	Seasonal and tidal variability of environmental carbon related physico-chemical variables and inorganic C acquisition in Gracilariopsis longissima and Enteromorpha intestinalis from Los ToruÃ±os salt marsh (CÃ¡diz Bay, Spain). Journal of Experimental Marine Biology and Ecology, 2004, 304, 183-201.	0.7	20

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55	Clonal extent, apical dominance and networking features in the phalanx angiosperm Zostera noltii Hornem.. Marine Biology, 2007, 151, 1917-1927.	0.7	19
56	The role of hydrodynamics in structuring in situ ammonium uptake within a submerged macrophyte community. Limnology & Oceanography Fluids & Environments, 2013, 3, 210-224.	1.7	19
57	Coupling carbon metabolism and dissolved organic carbon fluxes in benthic and pelagic coastal communities. Estuarine, Coastal and Shelf Science, 2019, 227, 106336.	0.9	18
58	Shoot organization in the seagrass zostera noltii: implications for space occupation and plant architecture. Helgoland Marine Research, 2006, 60, 59-69.	1.3	17
59	Effects of intertidal seagrass habitat fragmentation on turbulent diffusion and retention time of solutes. Marine Pollution Bulletin, 2012, 64, 2471-2479.	2.3	17
60	The morphometric acclimation to depth explains the long-term resilience of the seagrass Cymodocea nodosa in a shallow tidal lagoon. Journal of Environmental Management, 2021, 299, 113452.	3.8	17
61	Evidence for vertical growth in Zostera noltii Hornem.. Botanica Marina, 2005, 48, .	0.6	14
62	Interaction between ammonium and phosphate uptake rates in the seagrass Zostera noltii. Marine Ecology - Progress Series, 2013, 488, 133-143.	0.9	14
63	Cooking-Science-Communication (CSC): The ideal trident to enjoy the dining experience. International Journal of Gastronomy and Food Science, 2019, 16, 100134.	1.3	13
64	Photosynthesis and growth in macroalgae: linking functional-form and power-scaling approaches. Marine Ecology - Progress Series, 2009, 377, 113-122.	0.9	12
65	Particulate Organic Carbon, Nitrogen and Phosphorus Content in Roots, Rhizomes and Differently Aged Leaves of Zostera noltii Hornem. in Oosterschelde Estuary (Southwestern Netherlands). Botanica Marina, 1991, 34, .	0.6	11
66	Submerged vegetation complexity modifies benthic infauna communities: the hidden role of the belowground system. Marine Ecology, 2016, 37, 543-552.	0.4	10
67	Seaweed Consumption in the Americas. Gastronomica, 2019, 19, 49-59.	0.1	10
68	Recovery of Cymodocea nodosa (Ucria) Ascherson photosynthesis after a four-month dark period. Scientia Marina, 2006, 70, 413-422.	0.3	10
69	Resistance to nutrient enrichment varies among components in the Cymodocea nodosa community. Journal of Experimental Marine Biology and Ecology, 2017, 497, 41-49.	0.7	9
70	Seafood in Mediterranean countries: A culinary journey through history. International Journal of Gastronomy and Food Science, 2021, 26, 100437.	1.3	9
71	Bluefin tuna and CÃ¡diz: A pinch of history and gastronomy. International Journal of Gastronomy and Food Science, 2019, 17, 100170.	1.3	8
72	Pigment estimations and photosynthesis of Ruppia drepanensis Tin. ex Guss. in a hypersaline environment. Hydrobiologia, 1991, 220, 147-153.	1.0	7

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73	Hydrodynamic effects of macrophyte microtopography: spatial consequences of interspecific benthic transitions. Marine Ecology - Progress Series, 2016, 561, 123-136.	0.9	6
74	Epiphytic macroalgae and hosts of the marine shelf of Cuba: Current status, composition and diversity. Regional Studies in Marine Science, 2020, 34, 101108.	0.4	5
75	Autochthonous Seagrasses. , 2014, , 137-158.		5
76	Seagrass Patch Complexity Affects Macroinfaunal Community Structure in Intertidal Areas: An In Situ Experiment Using Seagrass Mimics. Diversity, 2021, 13, 572.	0.7	5
77	Species Differences in Short-term Pigment Levels in Four Australian Seagrasses in Response to Desiccation and Rehydration. Botanica Marina, 1994, 37, .	0.6	4
78	Notas corolÃ³gicas del macrofitobentos marino de AndalucÃa (EspaÃ±a). X. New records for the seaweeds of Andalusia (Spain). X. Acta Botanica Malacitana, 0, 37, 163-165.	0.0	4
79	Distribution of macroalgae epiphytes and host species from the Cuban marine shelf inferred from ecological modelling. Aquatic Botany, 2021, 172, 103395.	0.8	2
80	Fractionation of carbonic anhydrase activity in Gracilaria sp. (Rhodophyta) and Enteromorpha intestinalis (Chlorophyta): changes in the extracellular activity in response to inorganic carbon levels. Functional Plant Biology, 2000, 27, 1161.	1.1	2
81	Alkaline Phosphatase Activity in Zostera noltii Hornem. and its Contribution to the Release of Phosphate in the Palmones River Estuary. Estuarine, Coastal and Shelf Science, 1994, 39, 461-476.	0.9	0
82	Use of Polyphosphates and Soluble Pyrophosphatase Activity in the Seaweed Ulva pseudorotundata. Oceans, 2020, 1, 343-354.	0.6	0
83	Notas corolÃ³gicas del macrofitobentos de AndalucÃa (EspaÃ±a). IX. New records for the macrophytobenthos of Andalusia (Spain). IX. Acta Botanica Malacitana, 0, 35, 162-164.	0.0	0
84	Notas corolÃ³gicas del macrofitobentos de AndalucÃa (EspaÃ±a). XII.. Acta Botanica Malacitana, 0, 39, 217-219.	0.0	0