Javier Romero

List of Publications by Year in descending order

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124 papers 7,660 citations

52 h-index 83 g-index

126 all docs

126 docs citations

126 times ranked

4421 citing authors

#	Article	IF	CITATIONS
1	Dynamics of Millenary Organic Deposits Resulting from the Growth of the Mediterranean SeagrassPosidonia oceanica. Estuarine, Coastal and Shelf Science, 1997, 44, 103-110.	0.9	295
2	Recent trend reversal for declining European seagrass meadows. Nature Communications, 2019, 10 , 3356 .	5.8	227
3	Effects of Fish Farm Loadings on Seagrass (Posidonia oceanica) Distribution, Growth and Photosynthesis. Marine Pollution Bulletin, 2001, 42, 749-760.	2.3	220
4	Effects of fish farming on seagrass (Posidonia oceanica) in a Mediterranean bay: seagrass decline after organic loading cessation. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 109-117.	0.7	184
5	Annual metabolic carbon balance of the seagrass Posidonia oceanica: the importance of carbohydrate reserves. Marine Ecology - Progress Series, 2001, 211, 105-116.	0.9	183
6	Effects of disturbances caused by coastal constructions on spatial structure, growth dynamics and photosynthesis of the seagrass Posidonia oceanica. Marine Pollution Bulletin, 2003, 46, 1523-1533.	2.3	180
7	Annual growth dynamics of Posidonia oceanica:contribution of large-scale versus local factors to seasonality. Marine Ecology - Progress Series, 1995, 120, 203-210.	0.9	178
8	Descriptors of Posidonia oceanica meadows: Use and application. Ecological Indicators, 2005, 5, 213-230.	2.6	156
9	A multivariate index based on the seagrass Posidonia oceanica (POMI) to assess ecological status of coastal waters under the water framework directive (WFD). Marine Pollution Bulletin, 2007, 55, 196-204.	2.3	153
10	Effects of in situ experimental shading on the Mediterranean seagrass Posidonia oceanica. Marine Ecology - Progress Series, 2001, 215, 107-120.	0.9	152
11	Impact of the brine from a desalination plant on a shallow seagrass (Posidonia oceanica) meadow. Estuarine, Coastal and Shelf Science, 2007, 72, 579-590.	0.9	149
12	Salinity tolerance of the Mediterranean seagrass Posidonia oceanica: recommendations to minimize the impact of brine discharges from desalination plants. Desalination, 2008, 221, 602-607.	4.0	149
13	Primary production, stocks and fluxes in the Mediterranean seagrass Posidonia oceanica. Marine Ecology - Progress Series, 1994, 106, 139-146.	0.9	136
14	Effects of nitrogen addition on nitrogen metabolism and carbon reserves in the temperate seagrass Posidonia oceanica. Journal of Experimental Marine Biology and Ecology, 2004, 303, 97-114.	0.7	134
15	Inorganic carbon sources for seagrass photosynthesis: an experimental evaluation of bicarbonate use in species inhabiting temperate waters. Journal of Experimental Marine Biology and Ecology, 2001, 265, 203-217.	0.7	132
16	Growth plasticity in Cymodocea nodosa stands: the importance of nutrient supply. Aquatic Botany, 1994, 47, 249-264.	0.8	121
17	Detritus dynamics in the seagrass Posidonia oceanica:elements for an ecosystem carbon and nutrient budget. Marine Ecology - Progress Series, 1997, 151, 43-53.	0.9	121
18	Seasonal and small-scale spatial variability of herbivory pressure on the temperate seagrass Posidonia oceanica. Marine Ecology - Progress Series, 2005, 301, 95-107.	0.9	121

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19	Photosynthetic response to light and temperature of the seagrass Cymodocea nodosa and the prediction of its seasonality. Aquatic Botany, 1992, 43, 51-62.	0.8	120
20	Response of seagrass indicators to shifts in environmental stressors: A global review and management synthesis. Ecological Indicators, 2016, 63, 310-323.	2.6	120
21	Extensive direct measurements of Posidonia oceanica defoliation confirm the importance of herbivory in temperate seagrass meadows. Marine Ecology - Progress Series, 2007, 340, 63-71.	0.9	115
22	Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. PLoS ONE, 2012, 7, e30395.	1.1	114
23	Phosphorus limitation of Cymodocea nodosa growth. Marine Biology, 1991, 109, 129-133.	0.7	113
24	The Detritic Compartment in a <i>Posidonia oceanica</i> Meadow: Litter Features, Decomposition Rates, and Mineral Stocks. Marine Ecology, 1992, 13, 69-83.	0.4	107
25	Spatial and temporal variations in nutrient limitation of seagrass Posidonia oceanica growth in the NW Mediterranean. Marine Ecology - Progress Series, 1997, 146, 155-161.	0.9	101
26	Effects of pH on seagrass photosynthesis: a laboratory and field assessment. Aquatic Botany, 1997, 59, 185-194.	0.8	100
27	The influence of herbivores on Posidonia oceanica epiphytes. Aquatic Botany, 1997, 56, 93-104.	0.8	99
28	Variability of sedimentary organic carbon in patchy seagrass landscapes. Marine Pollution Bulletin, 2015, 100, 476-482.	2.3	98
29	Compensation and resistance to herbivory in seagrasses: induced responses to simulated consumption by fish. Oecologia, 2008, 155, 751-760.	0.9	96
30	Differential response of macrozoobenthos to marine sand extraction in the North Sea and the Western Mediterranean. ICES Journal of Marine Science, 2000, 57, 1439-1445.	1.2	95
31	The belowground organs of the Mediterranean seagrass Posidonia oceanica as a biogeochemical sink. Aquatic Botany, 1994, 47, 13-19.	0.8	92
32	Nutrient mass balance of the seagrass Posidonia oceanica: the importance of nutrient retranslocation. Marine Ecology - Progress Series, 2000, 194, 13-21.	0.9	87
33	Posidonia oceanica †banquettes': a preliminary assessment of the relevance for meadow carbon and nutrients budget. Estuarine, Coastal and Shelf Science, 2003, 56, 85-90.	0.9	86
34	Seagrasses provide a novel ecosystem service by trapping marine plastics. Scientific Reports, 2021, 11, 254.	1.6	84
35	Experimental evidence of chemical deterrence against multiple herbivores in the seagrass Posidonia oceanica. Marine Ecology - Progress Series, 2007, 343, 107-114.	0.9	82
36	Selection of multiple seagrass indicators for environmental biomonitoring. Marine Ecology - Progress Series, 2008, 361, 93-109.	0.9	82

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37	Settlement and recruitment of the sea urchin Paracentrotus lividus in two contrasting habitats in the Mediterranean. Marine Ecology - Progress Series, 2004, 282, 173-184.	0.9	80
38	The effect of nutrient additions on bacterial activity in seagrass (Posidonia oceanica) sediments. Journal of Experimental Marine Biology and Ecology, 1998, 224, 155-166.	0.7	74
39	Growth Dynamics, Production, and Nutrient Status of the Seagrass Cymodocea nodosa in a Mediterranean Semi-Estuarine Environment. Marine Ecology, 1994, 15, 51-64.	0.4	73
40	Seasonal and age-dependent variability of Posidonia oceanica (L.) Delile photosynthetic parameters. Journal of Experimental Marine Biology and Ecology, 1998, 230, 1-13.	0.7	73
41	Variation in multiple traits of vegetative and reproductive seagrass tissues influences plant–herbivore interactions. Oecologia, 2007, 151, 675-686.	0.9	73
42	Effects of herbivores on a Posidonia oceanica seagrass meadow: importance of epiphytes. Marine Ecology - Progress Series, 2005, 287, 115-125.	0.9	69
43	Experimental manipulation of sediment organic content and water column aeration reduces Zostera marina (eelgrass) growth and survival. Journal of Experimental Marine Biology and Ecology, 2009, 373, 26-34.	0.7	67
44	Biotic indices for assessing the status of coastal waters: a review of strengths and weaknesses. Journal of Environmental Monitoring, 2010, 12, 1013.	2.1	67
45	A wolf in sheep's clothing: carnivory in dominant sea urchins in the Mediterranean. Marine Ecology - Progress Series, 2011, 441, 117-128.	0.9	67
46	Experimental evidence of warming-induced flowering in the Mediterranean seagrass Posidonia oceanica. Marine Pollution Bulletin, 2018, 134, 49-54.	2.3	67
47	Indirect interactions in seagrasses: fish herbivores increase predation risk to sea urchins by modifying plant traits. Functional Ecology, 2012, 26, 1015-1023.	1.7	63
48	Marine protection and meadow size alter fish herbivory in seagrass ecosystems. Marine Ecology - Progress Series, 2008, 371, 11-21.	0.9	58
49	Population dynamics and production of the polychaete Capitella capitata in the littoral zone of Barcelona (Spain, NW Mediterranean). Journal of Experimental Marine Biology and Ecology, 1997, 218, 263-284.	0.7	57
50	Trace metal content in the seagrass Cymodocea nodosa: Differential accumulation in plant organs. Aquatic Botany, 2011, 95, 124-128.	0.8	57
51	Landscape configuration modulates carbon storage in seagrass sediments. Estuarine, Coastal and Shelf Science, 2017, 185, 69-76.	0.9	55
52	Spatial changes in sublittoral soft-bottom polychaete assemblages due to river inputs and sewage discharges. Acta Oecologica, 1999, 20, 343-351.	0.5	54
53	Bacterial activity in NW Mediterranean seagrass (Posidonia oceanica) sediments. Journal of Experimental Marine Biology and Ecology, 1995, 187, 39-49.	0.7	53
54	Macrograzers strongly influence patterns of epiphytic assemblages in seagrass meadows. Journal of Experimental Marine Biology and Ecology, 2007, 350, 130-143.	0.7	53

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55	The seagrass Posidonia oceanica as indicator of coastal water quality: Experimental intercalibration of classification systems. Ecological Indicators, 2011, 11, 557-563.	2.6	52
56	Interactive effects of global warming and eutrophication on a fast-growing Mediterranean seagrass. Marine Environmental Research, 2019, 145, 27-38.	1.1	50
57	Sensitivity of the seagrass Cymodocea nodosa to hypersaline conditions: A microcosm approach. Journal of Experimental Marine Biology and Ecology, 2010, 386, 34-38.	0.7	49
58	Differential element assimilation by sea urchins Paracentrotus lividus in seagrass beds: implications for trophic interactions. Marine Ecology - Progress Series, 2006, 306, 125-131.	0.9	49
59	Seagrass mortality due to oversedimentation: an experimental approach. Journal of Coastal Conservation, 1998, 4, 67-70.	0.7	48
60	Effects of nutrient enrichment on seagrass population dynamics: evidence and synthesis from the biomass–density relationships. Journal of Ecology, 2013, 101, 1552-1562.	1.9	47
61	Seasonal response of Posidonia oceanica epiphyte assemblages to nutrient increase. Marine Ecology - Progress Series, 2008, 359, 89-98.	0.9	47
62	FORAMINIFERAL COLONIZATION ON ARTIFICIAL SEAGRASS LEAVES. Journal of Foraminiferal Research, 2000, 30, 192-201.	0.1	45
63	Plant defences and the role of epibiosis in mediating within-plant feeding choices of seagrass consumers. Oecologia, 2011, 166, 381-390.	0.9	45
64	Nutrient Dynamics in Seagrass Ecosystems. , 0, , 227-254.		44
65	Seagrass meadow structure alters interactions between the sea urchin Paracentrotus lividus and its predators. Marine Ecology - Progress Series, 2009, 377, 131-137.	0.9	44
66	Evaluating seagrass leaf litter decomposition: an experimental comparison between litter-bag and oxygen-uptake methods. Journal of Experimental Marine Biology and Ecology, 1996, 202, 97-106.	0.7	43
67	Selection of metrics based on the seagrass Cymodocea nodosa and development of a biotic index (CYMOX) for assessing ecological status of coastal and transitional waters. Estuarine, Coastal and Shelf Science, 2012, 114, 7-17.	0.9	42
68	Seasonal nitrogen speciation in temperate seagrass Posidonia oceanica (L.) Delile. Journal of Experimental Marine Biology and Ecology, 2002, 273, 219-240.	0.7	41
69	The negative effects of short-term extreme thermal events on the seagrass Posidonia oceanica are exacerbated by ammonium additions. PLoS ONE, 2019, 14, e0222798.	1.1	39
70	Immanent conditions determine imminent collapses: nutrient regimes define the resilience of macroalgal communities. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162814.	1.2	37
71	Bicarbonate utilization in seagrass photosynthesis: role of carbonic anhydrase in Posidonia oceanica (L.) Delile and Cymodocea nodosa (Ucria) Ascherson. Journal of Experimental Marine Biology and Ecology, 1999, 235, 125-133.	0.7	35
72	Effects of landscape configuration on the exchange of materials in seagrass ecosystems. Marine Ecology - Progress Series, 2015, 532, 89-100.	0.9	35

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73	Nutrient status, plant availability and seasonal forcing mediate fish herbivory in temperate seagrass beds. Marine Ecology - Progress Series, 2010, 409, 229-239.	0.9	34
74	The importance of herbivory in the decline of a seagrass (<i>Posidonia oceanica</i>) meadow near a fish farm: an experimental approach. Botanica Marina, 2009, 52, 449-458.	0.6	33
75	Combined effects of fragmentation and herbivory on <i>Posidonia oceanica</i> seagrass ecosystems. Journal of Ecology, 2013, 101, 1053-1061.	1.9	32
76	Differences in predator composition alter the direction of structureâ€mediated predation risk in macrophyte communities. Oikos, 2014, 123, 1311-1322.	1.2	30
77	Variability in Detritus Stocks in Beds of the Seagrass Cymodocea nodosa. Botanica Marina, 2001, 44, .	0.6	29
78	Detecting water quality improvement along the Catalan coast (Spain) using stress-specific biochemical seagrass indicators. Ecological Indicators, 2015, 54, 161-170.	2.6	28
79	Welcome mats? The role of seagrass meadow structure in controlling post-settlement survival in a keystone sea-urchin species. Estuarine, Coastal and Shelf Science, 2009, 85, 472-478.	0.9	27
80	Composition of epiphytic leaf community of Posidonia oceanica as a tool for environmental biomonitoring. Estuarine, Coastal and Shelf Science, 2010, 88, 199-208.	0.9	27
81	Spatial variability in ecological attributes of the seagrass <i>Cymodocea nodosa</i> . Botanica Marina, 2009, 52, 429-438.	0.6	26
82	Preliminary Data on Alkaline Phosphatase Activity Associated with Mediterranean Seagrasses. Botanica Marina, 1993, 36, .	0.6	25
83	Importance of within-shoot epiphyte distribution for the carbon budget of seagrasses: the example of Posidonia oceanica. Botanica Marina, 2004, 47, .	0.6	25
84	Influence of nutrients in the feeding ecology of seagrass (Posidonia oceanica L.) consumers: a stable isotopes approach. Marine Biology, 2010, 157, 715-724.	0.7	25
85	Habitat and Scale Shape the Demographic Fate of the Keystone Sea Urchin Paracentrotus lividus in Mediterranean Macrophyte Communities. PLoS ONE, 2012, 7, e35170.	1.1	25
86	Exploring the robustness of macrophyte-based classification methods to assessÂthe ecological status of coastal and transitional ecosystems under the Water Framework Directive. Hydrobiologia, 2013, 704, 279-291.	1.0	25
87	Matrix composition and patch edges influence plant–herbivore interactions in marine landscapes. Functional Ecology, 2014, 28, 1440-1448.	1.7	25
88	The effect of a centenary storm on the longâ€lived seagrass <i>Posidonia oceanica </i> Limnology and Oceanography, 2014, 59, 1910-1918.	1.6	23
89	Hotspots of predation persist outside marine reserves in the historically fished Mediterranean Sea. Biological Conservation, 2015, 191, 67-74.	1.9	22
90	Effects of Copper Exposure on Photosynthesis and Growth of the Seagrass Cymodocea nodosa: An Experimental Assessment. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 374-379.	1.3	21

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91	Ecological status of seagrass ecosystems: An uncertainty analysis of the meadow classification based on the Posidonia oceanica multivariate index (POMI). Marine Pollution Bulletin, 2011, 62, 1616-1621.	2.3	20
92	Evaluating a key herbivorous fish as a mobile link: a Brownian bridge approach. Marine Ecology - Progress Series, 2013, 492, 199-210.	0.9	20
93	Title is missing!. Hydrobiologia, 1997, 350, 169-178.	1.0	19
94	Exploring the utility of Posidonia oceanica chlorophyll fluorescence as an indicator of water quality within the European Water Framework Directive. Environmental Monitoring and Assessment, 2012, 184, 3675-3686.	1.3	19
95	Detecting the impacts of harbour construction on a seagrass habitat and its subsequent recovery. Ecological Indicators, 2014, 45, 9-17.	2.6	19
96	Response of Posidonia oceanica to burial dynamics. Marine Ecology - Progress Series, 2011, 423, 47-56.	0.9	19
97	Element losses following distilled water rinsing of leaves of the seagrass Posidonia oceanica (L.) Delile. Aquatic Botany, 1995, 52, 229-235.	0.8	18
98	Seasonal uncoupling of demographic processes in a marine clonal plant. Estuarine, Coastal and Shelf Science, 2014, 142, 23-31.	0.9	18
99	Tolerance responses to simulated herbivory in the seagrass Cymodocea nodosa. Marine Ecology - Progress Series, 2014, 517, 159-169.	0.9	18
100	Evaluating potential artifacts of tethering techniques to estimate predation on sea urchins. Journal of Experimental Marine Biology and Ecology, 2015, 471, 17-22.	0.7	18
101	Contrasting effects of ocean warming on different components of plant-herbivore interactions. Marine Pollution Bulletin, 2018, 134, 55-65.	2.3	18
102	Experimental evidence that intra-specific competition in seagrass meadows reduces reproductive potential in the sea urchin <i>Paracentrotus lividus</i> (Lamarck). Scientia Marina, 2005, 69, 475-484.	0.3	18
103	Pseudovivipary, a new form of asexual reproduction in the seagrass Posidonia oceanica. Botanica Marina, 2005, 48, .	0.6	16
104	The use of surface alkaline phosphatase activity in the seagrass Posidonia oceanica as a biomarker of eutrophication. Marine Ecology, 2006, 27, 381-387.	0.4	16
105	The Mediterranean Benthic Herbivores Show Diverse Responses to Extreme Storm Disturbances. PLoS ONE, 2013, 8, e62719.	1.1	16
106	Warming intensifies the interaction between the temperate seagrass Posidonia oceanica and its dominant fish herbivore Sarpa salpa. Marine Environmental Research, 2021, 165, 105237.	1.1	15
107	Reproductive strategies and isolationâ€byâ€demography in a marine clonal plant along an eutrophication gradient. Molecular Ecology, 2014, 23, 5698-5711.	2.0	14
108	Distinctive types of leaf tissue damage influence nutrient supply to growing tissues within seagrass shoots. Marine Biology, 2011, 158, 1473-1482.	0.7	12

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109	The dominant seagrass herbivore Sarpa salpa shifts its shoaling and feeding strategies as they grow. Scientific Reports, 2020, 10, 10622.	1.6	12
110	Factors controlling spatial variability in ammonium release within an estuarine bay (Alfacs Bay, Ebro) Tj ETQq0 0	O rgBT /Ov	verlock 10 Tf !
111	The role of the remnant leaf sheaths (scales) attached to the Posidonia oceanica (L.) Delile rhizomes. Journal of Experimental Marine Biology and Ecology, 1998, 223, 257-270.	0.7	10
112	Uncertainty analysis along the ecological quality status of water bodies: The response of the Posidonia oceanica multivariate index (POMI) in three Mediterranean regions. Marine Pollution Bulletin, 2012, 64, 926-931.	2.3	10
113	Using seagrasses to identify local and large-scale trends of metals in the Mediterranean Sea. Marine Pollution Bulletin, 2017, 123, 83-91.	2.3	9
114	Multilevel assessments reveal spatially scaled landscape patterns driving coastal fish assemblages. Marine Environmental Research, 2018, 140, 210-220.	1.1	9
115	Herbivore control in connected seascapes: habitat determines when population regulation occurs in the life history of a key herbivore. Oikos, 2018, 127, 1195-1204.	1.2	8
116	The richness of small pockets: Decapod species peak in small seagrass patches where fish predators are absent. Marine Environmental Research, 2018, 142, 1-6.	1.1	8
117	Seagrass-bivalve facilitative interactions: Trait-mediated effects along an environmental gradient. Marine Environmental Research, 2018, 133, 99-104.	1.1	8
118	The large penumbra: Long-distance effects of artificial beach nourishment on Posidonia oceanica meadows. Marine Pollution Bulletin, 2014, 86, 129-137.	2.3	6
119	Generation and maintenance of predation hotspots of a functionally important herbivore in a patchy habitat mosaic. Functional Ecology, 2018, 32, 556-565.	1.7	5
120	The scent of fear makes sea urchins go ballistic. Movement Ecology, 2021, 9, 50.	1.3	4
121	Bioindicators, Monitoring, and Management Using Mediterranean Seagrasses: What Have We Learned from the Implementation of the EU Water Framework Directive?. Handbook of Environmental Chemistry, 2015, , 161-182.	0.2	3
122	Recovery of a fast-growing seagrass from small-scale mechanical disturbances: Effects of intensity, size and seasonal timing. Marine Pollution Bulletin, 2021, 162, 111873.	2.3	3
123	How many scales on the wings? A case study based on Colias crocea (Geoffroy, 1785) (Hexapoda:) Tj ETQq1 1 0	.784314 r _{	gBT /Overlock
124	Exploring coexistence mechanisms in a three-species assemblage. Marine Environmental Research, 2022, , 105647.	1.1	0