Enrique Mateos-Naranjo

List of Publications by Year
in descending order

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103 papers	3,655 citations	109321 35 h-index	149698 56 g-index
103 all docs	103 docs citations	103 times ranked	3435 citing authors

#	Article	IF	Citations
1	Polyploidy promotes divergent evolution across the leaf economics spectrum and plant edaphic niche in the Dianthus broteri complex. Journal of Ecology, 2022, 110, 605-618.	4.0	8
2	Assessing the Biofortification of Wheat Plants by Combining a Plant Growth-Promoting Rhizobacterium (PGPR) and Polymeric Fe-Nanoparticles: Allies or Enemies?. Agronomy, 2022, 12, 228.	3.0	10
3	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve the Response of Swiss Chard to Soil Salinization. Agronomy, 2022, 12, 468.	3.0	16
4	Salinity Modulates Juncus acutus L. Tolerance to Diesel Fuel Pollution. Plants, 2022, 11, 758.	3.5	4
5	Improved Medicago sativa Nodulation under Stress Assisted by Variovorax sp. Endophytes. Plants, 2022, 11, 1091.	3.5	17
6	Role of Nodulation-Enhancing Rhizobacteria in the Promotion of Medicago sativa Development in Nutrient-Poor Soils. Plants, 2022, 11, 1164.	3.5	10
7	Understanding the impact of a complex environmental matrix associated with climate change on the European marshes engineer species Spartina martima. Environmental and Experimental Botany, 2021, 182, 104304.	4.2	3
8	Estimation of leaf area index and leaf chlorophyll content in Sporobolus densiflorus using hyperspectral measurements and PROSAIL model simulations. International Journal of Remote Sensing, 2021, 42, 1181-1200.	2.9	6
9	Phenotypic diploidization in plant functional traits uncovered by synthetic neopolyploids inDianthus broteri. Journal of Experimental Botany, 2021, 72, 5522-5533.	4.8	11
10	Coastal Ecosystems as Sources of Biofertilizers in Agriculture: From Genomics to Application in an Urban Orchard. Frontiers in Marine Science, 2021, 8, .	2.5	8
11	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve Response of Eight Crops to Soil Salinization and Climate Change Conditions. Agronomy, 2021, 11, 1609.	3.0	27
12	Invasion and Extirpation Potential of Native and Invasive Spartina Species Under Climate Change. Frontiers in Marine Science, 2021, 8, .	2.5	17
13	Heavy Metal Pre-Conditioning History Modulates Spartina patens Physiological Tolerance along a Salinity Gradient. Plants, 2021, 10, 2072.	3.5	5
14	The effect of heavy metal contamination pre-conditioning in the heat stress tolerance of native and invasive Mediterranean halophytes. Ecological Indicators, 2020, 111, 106045.	6.3	17
15	Sarcocornia fruticosa photosynthetic response to short-term extreme temperature events in combination with optimal and sub-optimal salinity concentrations. Plant Physiology and Biochemistry, 2020, 148, 45-52.	5.8	4
16	Polyploidy-mediated divergent light-harvesting and photoprotection strategies under temperature stress in a Mediterranean carnation complex. Environmental and Experimental Botany, 2020, 171, 103956.	4.2	15
17	Impact of Plant Growth Promoting Bacteria on Salicornia ramosissima Ecophysiology and Heavy Metal Phytoremediation Capacity in Estuarine Soils. Frontiers in Microbiology, 2020, 11, 553018.	3.5	47
18	Uncovering PGPB Vibrio spartinae inoculation-triggered physiological mechanisms involved in the tolerance of Halimione portulacoides to NaCl excess. Plant Physiology and Biochemistry, 2020, 154, 151-159.	5.8	8

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19	Importance of Physiological Traits Vulnerability in Determine Halophytes Tolerance to Salinity Excess: A Comparative Assessment in Atriplex halimus. Plants, 2020, 9, 690.	3.5	12
20	Microbial strategies in non-target invasive Spartina densiflora for heavy metal clean up in polluted saltmarshes. Estuarine, Coastal and Shelf Science, 2020, 238, 106730.	2.1	6
21	The ACC-Deaminase Producing Bacterium Variovorax sp. CT7.15 as a Tool for Improving Calicotome villosa Nodulation and Growth in Arid Regions of Tunisia. Microorganisms, 2020, 8, 541.	3.6	16
22	Supporting Spartina: Interdisciplinary perspective shows Spartina as a distinct solid genus. Ecology, 2019, 100, e02863.	3.2	39
23	Safe Cultivation of Medicago sativa in Metal-Polluted Soils from Semi-Arid Regions Assisted by Heat- and Metallo-Resistant PGPR. Microorganisms, 2019, 7, 212.	3.6	61
24	Soil phenanthrene phytoremediation capacity in bacteria-assisted Spartina densiflora. Ecotoxicology and Environmental Safety, 2019, 182, 109382.	6.0	10
25	Impact of short-term extreme temperature events on physiological performance of Salicornia ramosissima J. Woods under optimal and sub-optimal saline conditions. Scientific Reports, 2019, 9, 659.	3.3	19
26	Multidimensional approach to evaluate Limonium brasiliense as source of early biomarkers for lead pollution monitoring under different saline conditions. Ecological Indicators, 2019, 104, 567-575.	6.3	12
27	Conditions for translocation of a key threatened species, Dianthus inoxianus Gallego, in the southwestern Iberian Mediterranean forest. Forest Ecology and Management, 2019, 446, 1-9.	3.2	6
28	Effect of prior salt experience on desalination capacity of the halophyte Arthrocnemum macrostachyum. Desalination, 2019, 463, 50-54.	8.2	18
29	Effect of Plant Growth-Promoting Rhizobacteria on Salicornia ramosissima Seed Germination under Salinity, CO2 and Temperature Stress. Agronomy, 2019, 9, 655.	3.0	38
30	Niche divergence and limits to expansion in the high polyploid Dianthus broteri complex. New Phytologist, 2019, 222, 1076-1087.	7.3	64
31	Investigating the physiological mechanisms underlying Salicornia ramosissima response to atmospheric CO2 enrichment under coexistence of prolonged soil flooding and saline excess. Plant Physiology and Biochemistry, 2019, 135, 149-159.	5.8	21
32	Inter-population differences tolerance to Cu excess during the initials phases of Juncus acutus life cycle: implications for the design of metal restoration strategies. International Journal of Phytoremediation, 2019, 21, 550-555.	3.1	7
33	Investigating the mechanisms underlying phytoprotection by plant growthâ€promoting rhizobacteria in Spartina densiflora under metal stress. Plant Biology, 2018, 20, 497-506.	3.8	44
34	The effect of simulated damage by weevils on Quercus ilex subsp. Ballota acorns germination, seedling growth and tolerance to experimentally induced drought. Forest Ecology and Management, 2018, 409, 740-748.	3.2	7
35	Halophyte fatty acids as biomarkers of anthropogenic-driven contamination in Mediterranean marshes: Sentinel species survey and development of an integrated biomarker response (IBR) index. Ecological Indicators, 2018, 87, 86-96.	6.3	41
36	PGPR Reduce Root Respiration and Oxidative Stress Enhancing Spartina maritima Root Growth and Heavy Metal Rhizoaccumulation. Frontiers in Plant Science, 2018, 9, 1500.	3.6	61

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37	Cordgrass Invasions in Mediterranean Marshes: Past, Present and Future. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2018, , 171-193.	0.3	4
38	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator Juncus acutus. Ecotoxicology and Environmental Safety, 2018, 163, 478-485.	6.0	18
39	Disentangling the effect of atmospheric CO2 enrichment on the halophyte Salicornia ramosissima J. Woods physiological performance under optimal and suboptimal saline conditions. Plant Physiology and Biochemistry, 2018, 127, 617-629.	5.8	27
40	Combined effect of Cr-toxicity and temperature rise on physiological and biochemical responses of Atriplex halimus L.. Plant Physiology and Biochemistry, 2018, 132, 675-682.	5.8	7
41	Atmospheric CO 2 enrichment effect on the Cu-tolerance of the C 4 cordgrass Spartina densiflora. Journal of Plant Physiology, 2018, 220, 155-166.	3.5	9
42	Bioaugmentation with bacteria selected from the microbiome enhances Arthrocnemum macrostachyum metal accumulation and tolerance. Marine Pollution Bulletin, 2017, 117, 340-347.	5.0	35
43	Highlighting the differential role of leaf paraheliotropism in two Mediterranean Cistus species under drought stress and well-watered conditions. Journal of Plant Physiology, 2017, 213, 199-208.	3.5	16
44	Assessing the role of endophytic bacteria in the halophyte Arthrocnemum macrostachyum salt tolerance. Plant Biology, 2017, 19, 249-256.	3.8	83
45	Modulation of Spartina densiflora plant growth and metal accumulation upon selective inoculation treatments: A comparison of gram negative and gram positive rhizobacteria. Marine Pollution Bulletin, 2017, 125, 77-85.	5.0	24
46	Interactive effect of salinity and zinc stress on growth and photosynthetic responses of the perennial grass, Polypogon. Ecological Engineering, 2016, 95, 171-179.	3.6	25
47	Heavy Metal Pollution Structures Soil Bacterial Community Dynamics in SW Spain Polluted Salt Marshes. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	13
48	Physiological and biochemical mechanisms preventing Cd-toxicity in the hyperaccumulator Atriplex halimus L.. Plant Physiology and Biochemistry, 2016, 106, 30-38.	5.8	48
49	Growth and photosynthetic limitation analysis of the Cd-accumulator Salicornia ramosissima under excessive cadmium concentrations and optimum salinity conditions. Plant Physiology and Biochemistry, 2016, 109, 103-113.	5.8	42
50	Screening beneficial rhizobacteria from Spartina maritima for phytoremediation of metal polluted salt marshes: comparison of gram-positive and gram-negative strains. Environmental Science and Pollution Research, 2016, 23, 19825-19837.	5.3	40
51	Deciphering the ecophysiological traits involved during water stress acclimation and recovery of the threatened wild carnation, Dianthus inoxianus. Plant Physiology and Biochemistry, 2016, 109, 397-405.	5.8	18
52	Bacterial inoculants for enhanced seed germination of Spartina densiflora: Implications for restoration of metal polluted areas. Marine Pollution Bulletin, 2016, 110, 396-400.	5.0	28
53	Isolation of plant-growth-promoting and metal-resistant cultivable bacteria from Arthrocnemum macrostachyum in the Odiel marshes with potential use in phytoremediation. Marine Pollution Bulletin, 2016, 110, 133-142.	5.0	59
54	Dissipation and effects of tricyclazole on soil microbial communities and rice growth as affected by amendment with alperujo compost. Science of the Total Environment, 2016, 550, 637-644.	8.0	8

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55	Interpopulation Differences in Salinity Tolerance of the Invasive Cordgrass Spartina densiflora: Implications for Invasion Process. Estuaries and Coasts, 2016, 39, 98-107.	2.2	12
56	Endophytic Cultivable Bacteria of the Metal Bioaccumulator Spartina maritima Improve Plant Growth but Not Metal Uptake in Polluted Marshes Soils. Frontiers in Microbiology, 2015, 6, 1450.	3.5	97
57	Arbuscular mycorrhizal symbiosis ameliorates the optimum quantum yield of photosystem II and reduces non-photochemical quenching in rice plants subjected to salt stress. Journal of Plant Physiology, 2015, 185, 75-83.	3.5	151
58	Moving closer towards restoration of contaminated estuaries: Bioaugmentation with autochthonous rhizobacteria improves metal rhizoaccumulation in native Spartina maritima. Journal of Hazardous Materials, 2015, 300, 263-271.	12.4	69
59	Deciphering the role of plant growth-promoting rhizobacteria in the tolerance of the invasive cordgrass Spartina densiflora to physicochemical properties of salt-marsh soils. Plant and Soil, 2015, 394, 45-55.	3.7	27
60	Assessment of the role of silicon in the Cu-tolerance of the C4 grass Spartina densiflora. Journal of Plant Physiology, 2015, 178, 74-83.	3.5	47
61	Improving legume nodulation and Cu rhizostabilization using a genetically modified rhizobia. Environmental Technology (United Kingdom), 2015, 36, 1237-1245.	2.2	27
62	Scouting contaminated estuaries: Heavy metal resistant and plant growth promoting rhizobacteria in the native metal rhizoaccumulator Spartina maritima. Marine Pollution Bulletin, 2015, 90, 150-159.	5.0	70
63	Municipal Solid Waste Compost Application Improves the Negative Impact of Saline Soil in Two Forage Species. Communications in Soil Science and Plant Analysis, 2014, 45, 1421-1434.	1.4	5
64	Zinc tolerance and accumulation in the halophytic species Juncus acutus. Environmental and Experimental Botany, 2014, 100, 114-121.	4.2	51
65	Seasonal ecophysiology of an endangered coastal species, the yellow-horned poppy (Glaucium flavum) Tj ETQq1 1 0.784314 rgBT /Ov	0.9	1
66	Assessing the effect of copper on growth, copper accumulation and physiological responses of grazing species Atriplex halimus: Ecotoxicological implications. Ecotoxicology and Environmental Safety, 2013, 90, 136-142.	6.0	50
67	Effects of sub-lethal glyphosate concentrations on growth and photosynthetic performance of non-target species Bolboschoenus maritimus. Chemosphere, 2013, 93, 2631-2638.	8.2	28
68	Silicon alleviates deleterious effects of high salinity on the halophytic grass Spartina densiflora. Plant Physiology and Biochemistry, 2013, 63, 115-121.	5.8	123
69	Growth and survival of Halimione portulacoides stem cuttings in heavy metal contaminated soils. Marine Pollution Bulletin, 2013, 75, 28-32.	5.0	19
70	Interpopulation Responses to Metal Pollution: Metal Tolerance in Wetland Plants. , 2013, , 149-161.		2
71	Tolerance to and accumulation of arsenic in the cordgrass Spartina densiflora Brongn. Bioresource Technology, 2012, 104, 187-194.	9.6	33
72	Effect of the Herbicides Terbuthylazine and Glyphosate on Photosystem II Photochemistry of Young Olive (Olea europaea) Plants. Journal of Agricultural and Food Chemistry, 2011, 59, 5528-5534.	5.2	16

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73	Comparison of germination, growth, photosynthetic responses and metal uptake between three populations of Spartina densiflora under different soil pollution conditions. Ecotoxicology and Environmental Safety, 2011, 74, 2040-2049.	6.0	42
74	Factors influencing seed germination of Cyperus capitatus, inhabiting the moving sand dunes in southern Europe. Journal of Arid Environments, 2011, 75, 309-312.	2.4	20
75	Spartina densiflora demonstrates high tolerance to phenanthrene in soil and reduces it concentration. Marine Pollution Bulletin, 2011, 62, 1800-1808.	5.0	20
76	Growth, reproductive and photosynthetic responses to copper in the yellow-horned poppy, Glaucium flavum Crantz.. Environmental and Experimental Botany, 2011, 71, 57-64.	4.2	57
77	The role of two Spartina species in phytostabilization and bioaccumulation of Co, Cr, and Ni in the Tintoâ€“Odiel estuary (SW Spain). Hydrobiologia, 2011, 671, 95-103.	2.0	29
78	Accumulation and tolerance characteristics of chromium in a cordgrass Cr-hyperaccumulator, Spartina argentinensis. Journal of Hazardous Materials, 2011, 185, 862-869.	12.4	97
79	Physiological responses to salinity in the yellow-horned poppy, Glaucium flavum. Plant Physiology and Biochemistry, 2011, 49, 186-194.	5.8	25
80	Synergic effect of salinity and zinc stress on growth and photosynthetic responses of the cordgrass, Spartina densiflora. Journal of Experimental Botany, 2011, 62, 5521-5530.	4.8	54
81	Photosynthetic responses to light intensity of Sarcocornia taxa (Chenopodiaceae). Russian Journal of Plant Physiology, 2010, 57, 887-891.	1.1	1
82	Modular response to salinity in the annual halophyte, Salicornia ramosissima. Photosynthetica, 2010, 48, 157-160.	1.7	2
83	Differential photosynthetic performance of three Mediterranean shrubs under grazing by domestic goats. Photosynthetica, 2010, 48, 348-354.	1.7	8
84	Physiological characterization of photosynthesis, chloroplast ultrastructure, and nutrient content in bracts and rosette leaves from Glaucium flavum. Photosynthetica, 2010, 48, 488-493.	1.7	12
85	Growth and photosynthetic responses of the cordgrass Spartina maritima to CO2 enrichment and salinity. Chemosphere, 2010, 81, 725-731.	8.2	41
86	Accumulation and tolerance characteristics of cadmium in a halophytic Cd-hyperaccumulator, Arthrocnemum macrostachyum. Journal of Hazardous Materials, 2010, 184, 299-307.	12.4	106
87	Ecotypic variations in phosphoenolpyruvate carboxylase activity of the cordgrass Spartina densiflora throughout its latitudinal distribution range. Plant Biology, 2010, 12, 154-160.	3.8	21
88	Salt stimulation of growth and photosynthesis in an extreme halophyte, Arthrocnemum macrostachyum. Plant Biology, 2010, 12, 79-87.	3.8	166
89	Synergic effect of salinity and CO2 enrichment on growth and photosynthetic responses of the invasive cordgrass Spartina densiflora. Journal of Experimental Botany, 2010, 61, 1643-1654.	4.8	53
90	Effectiveness of glyphosate and imazamox on the control of the invasive cordgrass Spartina densiflora. Ecotoxicology and Environmental Safety, 2009, 72, 1694-1700.	6.0	47

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91	Synergic effect of salinity and light-chilling on photosystem II photochemistry of the halophyte, Sarcocornia fruticosa. Journal of Arid Environments, 2009, 73, 586-589.	2.4	8
92	Heavy Metals and Trace Element Concentrations in Intertidal Soils of Four Estuaries of SW Iberian Peninsula. Soil and Sediment Contamination, 2009, 18, 320-327.	1.9	12
93	Plant zonation at salt marshes of the endangered cordgrass Spartina maritima invaded by Spartina densiflora. Hydrobiologia, 2008, 614, 363-371.	2.0	38
94	Growth and photosynthetic responses to zinc stress of an invasive cordgrass, Spartina densiflora. Plant Biology, 2008, 10, 754-762.	3.8	78
95	Environmental limitations on recruitment from seed in invasive Spartina densiflora on a southern European salt marsh. Estuarine, Coastal and Shelf Science, 2008, 79, 727-732.	2.1	32
96	Comparison of the role of two Spartina species in terms of phytostabilization and bioaccumulation of metals in the estuarine sediment. Marine Pollution Bulletin, 2008, 56, 2037-2042.	5.0	112
97	Growth and photosynthetic responses to copper stress of an invasive cordgrass, Spartina densiflora. Marine Environmental Research, 2008, 66, 459-465.	2.5	66
98	Effects of Salinity on Germination and Seedling Establishment of Endangered Limonium emarginatum (Willd.) O. Kuntze. Journal of Coastal Research, 2008, 1, 201-205.	0.3	29
99	Carry-over of Differential Salt Tolerance in Plants Grown from Dimorphic Seeds of Suaeda splendens. Annals of Botany, 2008, 102, 103-112.	2.9	52
100	Effect of herbicide and soil amendment on growth and photosynthetic responses in olive crops. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 523-528.	1.5	3
101	Bracteoles affect germination and seedling establishment in a Mediterranean population of Atriplex portulacoides. Aquatic Botany, 2007, 86, 93-96.	1.6	22
102	Growth and Photosynthetic Responses to Salinity of the Salt-marsh Shrub Atriplex portulacoides. Annals of Botany, 2007, 100, 555-563.	2.9	216
103	Growth and photosynthetic responses to salinity in an extreme halophyte, Sarcocornia fruticosa. Physiologia Plantarum, 2006, 128, 116-124.	5.2	139