Enrique Mateos-Naranjo

List of Publications by Year in Descending Order

100 papers	2,741 citations	31 h-index	49 g-index
103 ext. papers	3,223 ext. citations	5 avg, IF	5.22 L-index

#	Paper	IF	Citations
100	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	3.6	0
99	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve the Response of Swiss Chard to Soil Salinization. *Agronomy*, **2022**, 12, 468	3.6	3
98	Improved Nodulation under Stress Assisted by sp. Endophytes.. *Plants*, **2022**, 11,	4.5	4
97	Role of Nodulation-Enhancing Rhizobacteria in the Promotion of Development in Nutrient-Poor Soils.. *Plants*, **2022**, 11,	4.5	2
96	Phenotypic diploidization in plant functional traits uncovered by synthetic neopolyploids in Dianthus broteri. *Journal of Experimental Botany*, **2021**, 72, 5522-5533	7	1
95	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	5.9	1
94	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	3.1	4
93	Coastal Ecosystems as Sources of Biofertilizers in Agriculture: From Genomics to Application in an Urban Orchard. *Frontiers in Marine Science*, **2021**, 8,	4.5	5
92	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	3.6	7
91	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	5.4	1
90	Importance of Physiological Traits Vulnerability in Determine Halophytes Tolerance to Salinity Excess: A Comparative Assessment in. *Plants*, **2020**, 9,	4.5	5
89	Microbial strategies in non-target invasive Spartina densiflora for heavy metal clean up in polluted saltmarshes. *Estuarine, Coastal and Shelf Science*, **2020**, 238, 106730	2.9	3
88	The ACC-Deaminase Producing Bacterium sp CT7.15 as a Tool for Improving Nodulation and Growth in Arid Regions of Tunisia. *Microorganisms*, **2020**, 8,	4.9	8
87	The effect of heavy metal contamination pre-conditioning in the heat stress tolerance of native and invasive Mediterranean halophytes. *Ecological Indicators*, **2020**, 111, 106045	5.8	8
86	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	5.4	2
85	Polyploidy-mediated divergent light-harvesting and photoprotection strategies under temperature stress in a Mediterranean carnation complex. *Environmental and Experimental Botany*, **2020**, 171, 103956	5.9	5
84	Impact of Plant Growth Promoting Bacteria on Ecophysiology and Heavy Metal Phytoremediation Capacity in Estuarine Soils. *Frontiers in Microbiology*, **2020**, 11, 553018	5.7	21

83	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	4.9	12
82	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	5.8	5
81	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	3.9	4
80	Effect of prior salt experience on desalination capacity of the halophyte Arthrocnemum macrostachyum. *Desalination*, **2019**, 463, 50-54	10.3	7
79	Supporting Spartina: Interdisciplinary perspective shows Spartina as a distinct solid genus. *Ecology*, **2019**, 100, e02863	4.6	22
78	Safe Cultivation of in Metal-Polluted Soils from Semi-Arid Regions Assisted by Heat- and Metallo-Resistant PGPR. *Microorganisms*, **2019**, 7,	4.9	33
77	Soil phenanthrene phytoremediation capacity in bacteria-assisted Spartina densiflora. *Ecotoxicology and Environmental Safety*, **2019**, 182, 109382	7	7
76	Effect of Plant Growth-Promoting Rhizobacteria on Salicornia ramosissima Seed Germination under Salinity, CO2 and Temperature Stress. *Agronomy*, **2019**, 9, 655	3.6	19
75	Niche divergence and limits to expansion in the high polyploid Dianthus broteri complex. *New Phytologist*, **2019**, 222, 1076-1087	9.8	20
74	Investigating the physiological mechanisms underlying Salicornia ramosissima response to atmospheric CO enrichment under coexistence of prolonged soil flooding and saline excess. *Plant Physiology and Biochemistry*, **2019**, 135, 149-159	5.4	13
73	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	3.9	3
72	Investigating the mechanisms underlying phytoprotection by plant growth-promoting rhizobacteria in Spartina densiflora under metal stress. *Plant Biology*, **2018**, 20, 497-506	3.7	30
71	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	3.9	5
70	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	5.8	30
69	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator Juncus acutus. *Ecotoxicology and Environmental Safety*, **2018**, 163, 478-485	7	12
68	Disentangling the effect of atmospheric CO enrichment on the halophyte Salicornia ramosissima J. Woods physiological performance under optimal and suboptimal saline conditions. *Plant Physiology and Biochemistry*, **2018**, 127, 617-629	5.4	19
67	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	5.4	5
66	Atmospheric CO enrichment effect on the Cu-tolerance of the C cordgrass Spartina densiflora. *Journal of Plant Physiology*, **2018**, 220, 155-166	3.6	4

65	PGPR Reduce Root Respiration and Oxidative Stress Enhancing Root Growth and Heavy Metal Rhizoaccumulation. *Frontiers in Plant Science*, **2018**, 9, 1500	6.2	41
64	Cordgrass Invasions in Mediterranean Marshes: Past, Present and Future. *World Terraced Landscapes: History, Environment, Quality of Life Environmental History*, **2018**, 171-193	0.3	2
63	Bioaugmentation with bacteria selected from the microbiome enhances Arthrocnemum macrostachyum metal accumulation and tolerance. *Marine Pollution Bulletin*, **2017**, 117, 340-347	6.7	24
62	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	3.6	7
61	Assessing the role of endophytic bacteria in the halophyte Arthrocnemum macrostachyum salt tolerance. *Plant Biology*, **2017**, 19, 249-256	3.7	53
60	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	6.7	23
59	Interpopulation Differences in Salinity Tolerance of the Invasive Cordgrass Spartina densiflora: Implications for Invasion Process. *Estuaries and Coasts*, **2016**, 39, 98-107	2.8	10
58	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, 19825-37	5.1	32
57	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	5.4	11
56	Bacterial inoculants for enhanced seed germination of Spartina densiflora: Implications for restoration of metal polluted areas. *Marine Pollution Bulletin*, **2016**, 110, 396-400	6.7	22
55	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	6.7	40
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	10.2	6
53	Interactive effect of salinity and zinc stress on growth and photosynthetic responses of the perennial grass, Polypogon monspeliensis. *Ecological Engineering*, **2016**, 95, 171-179	3.9	16
52	Heavy Metal Pollution Structures Soil Bacterial Community Dynamics in SW Spain Polluted Salt Marshes. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	9
51	Physiological and biochemical mechanisms preventing Cd-toxicity in the hyperaccumulator Atriplex halimus L. *Plant Physiology and Biochemistry*, **2016**, 106, 30-8	5.4	34
50	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	5.4	31
49	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	3.6	111
48	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	12.8	61

47	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	4.2	21
46	Assessment of the role of silicon in the Cu-tolerance of the C4 grass Spartina densiflora. *Journal of Plant Physiology*, **2015**, 178, 74-83	3.6	36
45	Improving legume nodulation and Cu rhizostabilization using a genetically modified rhizobia. *Environmental Technology (United Kingdom)*, **2015**, 36, 1237-45	2.6	25
44	Scouting contaminated estuaries: heavy metal resistant and plant growth promoting rhizobacteria in the native metal rhizoaccumulator Spartina maritima. *Marine Pollution Bulletin*, **2015**, 90, 150-9	6.7	60
43	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	5.7	77
42	Zinc tolerance and accumulation in the halophytic species Juncus acutus. *Environmental and Experimental Botany*, **2014**, 100, 114-121	5.9	36
41	Seasonal ecophysiology of an endangered coastal species, the yellow-horned poppy (Glaucium flavum Crantz). *Russian Journal of Ecology*, **2014**, 45, 215-222	0.7	1
40	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	1.5	3
39	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, 136-42	7	44
38	Effects of sub-lethal glyphosate concentrations on growth and photosynthetic performance of non-target species Bolboschoenus maritimus. *Chemosphere*, **2013**, 93, 2631-8	8.4	18
37	Silicon alleviates deleterious effects of high salinity on the halophytic grass Spartina densiflora. *Plant Physiology and Biochemistry*, **2013**, 63, 115-21	5.4	99
36	Growth and survival of Halimione portulacoides stem cuttings in heavy metal contaminated soils. *Marine Pollution Bulletin*, **2013**, 75, 28-32	6.7	16
35	Interpopulation Responses to Metal Pollution: Metal Tolerance in Wetland Plants **2013**, 149-161		2
34	Tolerance to and accumulation of arsenic in the cordgrass Spartina densiflora Brongn. *Bioresource Technology*, **2012**, 104, 187-94	11	29
33	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, 2040-9	7	38
32	Factors influencing seed germination of Cyperus capitatus, inhabiting the moving sand dunes in southern Europe. *Journal of Arid Environments*, **2011**, 75, 309-312	2.5	14
31	Spartina densiflora demonstrates high tolerance to phenanthrene in soil and reduces it concentration. *Marine Pollution Bulletin*, **2011**, 62, 1800-8	6.7	16
30	Growth, reproductive and photosynthetic responses to copper in the yellow-horned poppy, Glaucium flavum Crantz.. *Environmental and Experimental Botany*, **2011**, 71, 57-64	5.9	51

29	The role of two Spartina species in phytostabilization and bioaccumulation of Co, Cr, and Ni in the Tinto Odiel estuary (SW Spain). *Hydrobiologia*, **2011**, 671, 95-103	2.4	26
28	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, 5528-34	5.7	15
27	Accumulation and tolerance characteristics of chromium in a cordgrass Cr-hyperaccumulator, Spartina argentinensis. *Journal of Hazardous Materials*, **2011**, 185, 862-9	12.8	81
26	Physiological responses to salinity in the yellow-horned poppy, Glaucium flavum. *Plant Physiology and Biochemistry*, **2011**, 49, 186-94	5.4	23
25	Synergic effect of salinity and zinc stress on growth and photosynthetic responses of the cordgrass, Spartina densiflora. *Journal of Experimental Botany*, **2011**, 62, 5521-30	7	49
24	Ecotypic variations in phosphoenolpyruvate carboxylase activity of the cordgrass Spartina densiflora throughout its latitudinal distribution range. *Plant Biology*, **2010**, 12, 154-60	3.7	19
23	Salt stimulation of growth and photosynthesis in an extreme halophyte, Arthrocnemum macrostachyum. *Plant Biology*, **2010**, 12, 79-87	3.7	139
22	Synergic effect of salinity and CO2 enrichment on growth and photosynthetic responses of the invasive cordgrass Spartina densiflora. *Journal of Experimental Botany*, **2010**, 61, 1643-54	7	48
21	Photosynthetic responses to light intensity of Sarcocornia taxa (Chenopodiaceae). *Russian Journal of Plant Physiology*, **2010**, 57, 887-891	1.6	1
20	Modular response to salinity in the annual halophyte, Salicornia ramosissima. *Photosynthetica*, **2010** , 48, 157-160	2.2	2
19	Differential photosynthetic performance of three Mediterranean shrubs under grazing by domestic goats. *Photosynthetica*, **2010**, 48, 348-354	2.2	4
18	Physiological characterization of photosynthesis, chloroplast ultrastructure, and nutrient content in bracts and rosette leaves from Glaucium flavum. *Photosynthetica*, **2010**, 48, 488-493	2.2	9
17	Growth and photosynthetic responses of the cordgrass Spartina maritima to CO2 enrichment and salinity. *Chemosphere*, **2010**, 81, 725-31	8.4	37
16	Accumulation and tolerance characteristics of cadmium in a halophytic Cd-hyperaccumulator, Arthrocnemum macrostachyum. *Journal of Hazardous Materials*, **2010**, 184, 299-307	12.8	87
15	Effectiveness of glyphosate and imazamox on the control of the invasive cordgrass Spartina densiflora. *Ecotoxicology and Environmental Safety*, **2009**, 72, 1694-700	7	31
14	Synergic effect of salinity and light-chilling on photosystem II photochemistry of the halophyte, Sarcocornia fruticosa. *Journal of Arid Environments*, **2009**, 73, 586-589	2.5	7
13	Heavy Metals and Trace Element Concentrations in Intertidal Soils of Four Estuaries of SW Iberian Peninsula. *Soil and Sediment Contamination*, **2009**, 18, 320-327	3.2	11
12	Growth and photosynthetic responses to zinc stress of an invasive cordgrass, Spartina densiflora. *Plant Biology*, **2008**, 10, 754-62	3.7	73

11	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	2.9	29
10	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, 2037-42	6.7	105
9	Growth and photosynthetic responses to copper stress of an invasive cordgrass, Spartina densiflora. *Marine Environmental Research*, **2008**, 66, 459-65	3.3	58
8	Effects of Salinity on Germination and Seedling Establishment of Endangered Limonium emarginatum (Willd.) O. Kuntze. *Journal of Coastal Research*, **2008**, 1, 201-205	0.6	25
7	Carry-over of differential salt tolerance in plants grown from dimorphic seeds of Suaeda splendens. *Annals of Botany*, **2008**, 102, 103-12	4.1	47
6	Plant zonation at salt marshes of the endangered cordgrass Spartina maritima invaded by Spartina densiflora. *Hydrobiologia*, **2008**, 614, 363-371	2.4	34
5	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, 523-8	2.2	3
4	Bracteoles affect germination and seedling establishment in a Mediterranean population of Atriplex portulacoides. *Aquatic Botany*, **2007**, 86, 93-96	1.8	18
3	Growth and photosynthetic responses to salinity of the salt-marsh shrub Atriplex portulacoides. *Annals of Botany*, **2007**, 100, 555-63	4.1	187
2	Growth and photosynthetic responses to salinity in an extreme halophyte, Sarcocornia fruticosa. *Physiologia Plantarum*, **2006**, 128, 116-124	4.6	122
1	Polyploidy promotes divergent evolution across the leaf economics spectrum and plant edaphic niche in the Dianthus broteri complex. *Journal of Ecology*,	6	1