

# Enrique Mateos-Naranjo

## List of Publications by Year in descending order

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103  
papers

3,655  
citations

109264

35  
h-index

149623

56  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and Photosynthetic Responses to Salinity of the Salt-marsh Shrub <i>Atriplex portulacoides</i> . <i>Annals of Botany</i> , 2007, 100, 555-563.	1.4	216
2	Salt stimulation of growth and photosynthesis in an extreme halophyte, <i>Arthrocnemum macrostachyum</i> . <i>Plant Biology</i> , 2010, 12, 79-87.	1.8	166
3	Arbuscular mycorrhizal symbiosis ameliorates the optimum quantum yield of photosystem II and reduces non-photochemical quenching in rice plants subjected to salt stress. <i>Journal of Plant Physiology</i> , 2015, 185, 75-83.	1.6	151
4	Growth and photosynthetic responses to salinity in an extreme halophyte, <i>Sarcocornia fruticosa</i> . <i>Physiologia Plantarum</i> , 2006, 128, 116-124.	2.6	139
5	Silicon alleviates deleterious effects of high salinity on the halophytic grass <i>Spartina densiflora</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 63, 115-121.	2.8	123
6	Comparison of the role of two <i>Spartina</i> species in terms of phytostabilization and bioaccumulation of metals in the estuarine sediment. <i>Marine Pollution Bulletin</i> , 2008, 56, 2037-2042.	2.3	112
7	Accumulation and tolerance characteristics of cadmium in a halophytic Cd-hyperaccumulator, <i>Arthrocnemum macrostachyum</i> . <i>Journal of Hazardous Materials</i> , 2010, 184, 299-307.	6.5	106
8	Accumulation and tolerance characteristics of chromium in a cordgrass Cr-hyperaccumulator, <i>Spartina argentinensis</i> . <i>Journal of Hazardous Materials</i> , 2011, 185, 862-869.	6.5	97
9	Endophytic Cultivable Bacteria of the Metal Bioaccumulator <i>Spartina maritima</i> Improve Plant Growth but Not Metal Uptake in Polluted Marshes Soils. <i>Frontiers in Microbiology</i> , 2015, 6, 1450.	1.5	97
10	Assessing the role of endophytic bacteria in the halophyte <i>Arthrocnemum macrostachyum</i> salt tolerance. <i>Plant Biology</i> , 2017, 19, 249-256.	1.8	83
11	Growth and photosynthetic responses to zinc stress of an invasive cordgrass, <i>Spartina densiflora</i> . <i>Plant Biology</i> , 2008, 10, 754-762.	1.8	78
12	Scouting contaminated estuaries: Heavy metal resistant and plant growth promoting rhizobacteria in the native metal rhizoaccumulator <i>Spartina maritima</i> . <i>Marine Pollution Bulletin</i> , 2015, 90, 150-159.	2.3	70
13	Moving closer towards restoration of contaminated estuaries: Bioaugmentation with autochthonous rhizobacteria improves metal rhizoaccumulation in native <i>Spartina maritima</i> . <i>Journal of Hazardous Materials</i> , 2015, 300, 263-271.	6.5	69
14	Growth and photosynthetic responses to copper stress of an invasive cordgrass, <i>Spartina densiflora</i> . <i>Marine Environmental Research</i> , 2008, 66, 459-465.	1.1	66
15	Niche divergence and limits to expansion in the high polyploid <i>Dianthus broteri</i> complex. <i>New Phytologist</i> , 2019, 222, 1076-1087.	3.5	64
16	PGPR Reduce Root Respiration and Oxidative Stress Enhancing <i>Spartina maritima</i> Root Growth and Heavy Metal Rhizoaccumulation. <i>Frontiers in Plant Science</i> , 2018, 9, 1500.	1.7	61
17	Safe Cultivation of <i>Medicago sativa</i> in Metal-Polluted Soils from Semi-Arid Regions Assisted by Heat- and Metallo-Resistant PGPR. <i>Microorganisms</i> , 2019, 7, 212.	1.6	61
18	Isolation of plant-growth-promoting and metal-resistant cultivable bacteria from <i>Arthrocnemum macrostachyum</i> in the Odiel marshes with potential use in phytoremediation. <i>Marine Pollution Bulletin</i> , 2016, 110, 133-142.	2.3	59

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19	Growth, reproductive and photosynthetic responses to copper in the yellow-horned poppy, <i>Glaucium flavum</i> Crantz.. <i>Environmental and Experimental Botany</i> , 2011, 71, 57-64.	2.0	57
20	Synergic effect of salinity and zinc stress on growth and photosynthetic responses of the cordgrass, <i>Spartina densiflora</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 5521-5530.	2.4	54
21	Synergic effect of salinity and CO <sub>2</sub> enrichment on growth and photosynthetic responses of the invasive cordgrass <i>Spartina densiflora</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 1643-1654.	2.4	53
22	Carry-over of Differential Salt Tolerance in Plants Grown from Dimorphic Seeds of <i>Suaeda splendens</i> . <i>Annals of Botany</i> , 2008, 102, 103-112.	1.4	52
23	Zinc tolerance and accumulation in the halophytic species <i>Juncus acutus</i> . <i>Environmental and Experimental Botany</i> , 2014, 100, 114-121.	2.0	51
24	Assessing the effect of copper on growth, copper accumulation and physiological responses of grazing species <i>Atriplex halimus</i> : Ecotoxicological implications. <i>Ecotoxicology and Environmental Safety</i> , 2013, 90, 136-142.	2.9	50
25	Physiological and biochemical mechanisms preventing Cd-toxicity in the hyperaccumulator <i>Atriplex halimus</i> L.. <i>Plant Physiology and Biochemistry</i> , 2016, 106, 30-38.	2.8	48
26	Effectiveness of glyphosate and imazamox on the control of the invasive cordgrass <i>Spartina densiflora</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1694-1700.	2.9	47
27	Assessment of the role of silicon in the Cu-tolerance of the C <sub>4</sub> grass <i>Spartina densiflora</i> . <i>Journal of Plant Physiology</i> , 2015, 178, 74-83.	1.6	47
28	Impact of Plant Growth Promoting Bacteria on <i>Salicornia ramosissima</i> Ecophysiology and Heavy Metal Phytoremediation Capacity in Estuarine Soils. <i>Frontiers in Microbiology</i> , 2020, 11, 553018.	1.5	47
29	Investigating the mechanisms underlying phytoprotection by plant growth-promoting rhizobacteria in <i>Spartina densiflora</i> under metal stress. <i>Plant Biology</i> , 2018, 20, 497-506.	1.8	44
30	Comparison of germination, growth, photosynthetic responses and metal uptake between three populations of <i>Spartina densiflora</i> under different soil pollution conditions. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2040-2049.	2.9	42
31	Growth and photosynthetic limitation analysis of the Cd-accumulator <i>Salicornia ramosissima</i> under excessive cadmium concentrations and optimum salinity conditions. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 103-113.	2.8	42
32	Growth and photosynthetic responses of the cordgrass <i>Spartina maritima</i> to CO <sub>2</sub> enrichment and salinity. <i>Chemosphere</i> , 2010, 81, 725-731.	4.2	41
33	Halophyte fatty acids as biomarkers of anthropogenic-driven contamination in Mediterranean marshes: Sentinel species survey and development of an integrated biomarker response (IBR) index. <i>Ecological Indicators</i> , 2018, 87, 86-96.	2.6	41
34	Screening beneficial rhizobacteria from <i>Spartina maritima</i> for phytoremediation of metal polluted salt marshes: comparison of gram-positive and gram-negative strains. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19825-19837.	2.7	40
35	Supporting <i>Spartina</i> : Interdisciplinary perspective shows <i>Spartina</i> as a distinct solid genus. <i>Ecology</i> , 2019, 100, e02863.	1.5	39
36	Plant zonation at salt marshes of the endangered cordgrass <i>Spartina maritima</i> invaded by <i>Spartina densiflora</i> . <i>Hydrobiologia</i> , 2008, 614, 363-371.	1.0	38

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37	Effect of Plant Growth-Promoting Rhizobacteria on <i>Salicornia ramosissima</i> Seed Germination under Salinity, CO <sub>2</sub> and Temperature Stress. <i>Agronomy</i> , 2019, 9, 655.	1.3	38
38	Bioaugmentation with bacteria selected from the microbiome enhances <i>Arthrocnemum macrostachyum</i> metal accumulation and tolerance. <i>Marine Pollution Bulletin</i> , 2017, 117, 340-347.	2.3	35
39	Tolerance to and accumulation of arsenic in the cordgrass <i>Spartina densiflora</i> Brongn. <i>Bioresource Technology</i> , 2012, 104, 187-194.	4.8	33
40	Environmental limitations on recruitment from seed in invasive <i>Spartina densiflora</i> on a southern European salt marsh. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 727-732.	0.9	32
41	Effects of Salinity on Germination and Seedling Establishment of Endangered <i>Limonium emarginatum</i> (Willd.) O. Kuntze. <i>Journal of Coastal Research</i> , 2008, 1, 201-205.	0.1	29
42	The role of two <i>Spartina</i> species in phytostabilization and bioaccumulation of Co, Cr, and Ni in the Tinto-Odiel estuary (SW Spain). <i>Hydrobiologia</i> , 2011, 671, 95-103.	1.0	29
43	Effects of sub-lethal glyphosate concentrations on growth and photosynthetic performance of non-target species <i>Bolboschoenus maritimus</i> . <i>Chemosphere</i> , 2013, 93, 2631-2638.	4.2	28
44	Bacterial inoculants for enhanced seed germination of <i>Spartina densiflora</i> : Implications for restoration of metal polluted areas. <i>Marine Pollution Bulletin</i> , 2016, 110, 396-400.	2.3	28
45	Deciphering the role of plant growth-promoting rhizobacteria in the tolerance of the invasive cordgrass <i>Spartina densiflora</i> to physicochemical properties of salt-marsh soils. <i>Plant and Soil</i> , 2015, 394, 45-55.	1.8	27
46	Improving legume nodulation and Cu rhizostabilization using a genetically modified rhizobia. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1237-1245.	1.2	27
47	Disentangling the effect of atmospheric CO <sub>2</sub> enrichment on the halophyte <i>Salicornia ramosissima</i> J. Woods physiological performance under optimal and suboptimal saline conditions. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 617-629.	2.8	27
48	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve Response of Eight Crops to Soil Salinization and Climate Change Conditions. <i>Agronomy</i> , 2021, 11, 1609.	1.3	27
49	Physiological responses to salinity in the yellow-horned poppy, <i>Glaucium flavum</i> . <i>Plant Physiology and Biochemistry</i> , 2011, 49, 186-194.	2.8	25
50	Interactive effect of salinity and zinc stress on growth and photosynthetic responses of the perennial grass, <i>Polypogon</i> . <i>Ecological Engineering</i> , 2016, 95, 171-179.	1.6	25
51	Modulation of <i>Spartina densiflora</i> plant growth and metal accumulation upon selective inoculation treatments: A comparison of gram negative and gram positive rhizobacteria. <i>Marine Pollution Bulletin</i> , 2017, 125, 77-85.	2.3	24
52	Bracteoles affect germination and seedling establishment in a Mediterranean population of <i>Atriplex portulacoides</i> . <i>Aquatic Botany</i> , 2007, 86, 93-96.	0.8	22
53	Ecotypic variations in phosphoenolpyruvate carboxylase activity of the cordgrass <i>Spartina densiflora</i> throughout its latitudinal distribution range. <i>Plant Biology</i> , 2010, 12, 154-160.	1.8	21
54	Investigating the physiological mechanisms underlying <i>Salicornia ramosissima</i> response to atmospheric CO <sub>2</sub> enrichment under coexistence of prolonged soil flooding and saline excess. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 149-159.	2.8	21

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55	Factors influencing seed germination of <i>Cyperus capitatus</i> , inhabiting the moving sand dunes in southern Europe. <i>Journal of Arid Environments</i> , 2011, 75, 309-312.	1.2	20
56	<i>Spartina densiflora</i> demonstrates high tolerance to phenanthrene in soil and reduces its concentration. <i>Marine Pollution Bulletin</i> , 2011, 62, 1800-1808.	2.3	20
57	Growth and survival of <i>Halimione portulacoides</i> stem cuttings in heavy metal contaminated soils. <i>Marine Pollution Bulletin</i> , 2013, 75, 28-32.	2.3	19
58	Impact of short-term extreme temperature events on physiological performance of <i>Salicornia ramosissima</i> J. Woods under optimal and sub-optimal saline conditions. <i>Scientific Reports</i> , 2019, 9, 659.	1.6	19
59	Deciphering the ecophysiological traits involved during water stress acclimation and recovery of the threatened wild carnation, <i>Dianthus inoxianus</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 109, 397-405.	2.8	18
60	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator <i>Juncus acutus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 478-485.	2.9	18
61	Effect of prior salt experience on desalination capacity of the halophyte <i>Arthrocnemum macrostachyum</i> . <i>Desalination</i> , 2019, 463, 50-54.	4.0	18
62	The effect of heavy metal contamination pre-conditioning in the heat stress tolerance of native and invasive Mediterranean halophytes. <i>Ecological Indicators</i> , 2020, 111, 106045.	2.6	17
63	Invasion and Extirpation Potential of Native and Invasive <i>Spartina</i> Species Under Climate Change. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	17
64	Improved <i>Medicago sativa</i> Nodulation under Stress Assisted by <i>Variovorax</i> sp. Endophytes. <i>Plants</i> , 2022, 11, 1091.	1.6	17
65	Effect of the Herbicides Terbutylazine and Glyphosate on Photosystem II Photochemistry of Young Olive ( <i>Olea europaea</i> ) Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5528-5534.	2.4	16
66	Highlighting the differential role of leaf paraheliotropism in two Mediterranean <i>Cistus</i> species under drought stress and well-watered conditions. <i>Journal of Plant Physiology</i> , 2017, 213, 199-208.	1.6	16
67	The ACC-Deaminase Producing Bacterium <i>Variovorax</i> sp. CT7.15 as a Tool for Improving <i>Calicotome villosa</i> Nodulation and Growth in Arid Regions of Tunisia. <i>Microorganisms</i> , 2020, 8, 541.	1.6	16
68	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve the Response of Swiss Chard to Soil Salinization. <i>Agronomy</i> , 2022, 12, 468.	1.3	16
69	Polyploidy-mediated divergent light-harvesting and photoprotection strategies under temperature stress in a Mediterranean carnation complex. <i>Environmental and Experimental Botany</i> , 2020, 171, 103956.	2.0	15
70	Heavy Metal Pollution Structures Soil Bacterial Community Dynamics in SW Spain Polluted Salt Marshes. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	13
71	Heavy Metals and Trace Element Concentrations in Intertidal Soils of Four Estuaries of SW Iberian Peninsula. <i>Soil and Sediment Contamination</i> , 2009, 18, 320-327.	1.1	12
72	Physiological characterization of photosynthesis, chloroplast ultrastructure, and nutrient content in bracts and rosette leaves from <i>Glaucium flavum</i> . <i>Photosynthetica</i> , 2010, 48, 488-493.	0.9	12

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73	Interpopulation Differences in Salinity Tolerance of the Invasive Cordgrass <i>Spartina densiflora</i> : Implications for Invasion Process. <i>Estuaries and Coasts</i> , 2016, 39, 98-107.	1.0	12
74	Multidimensional approach to evaluate <i>Limonium brasiliense</i> as source of early biomarkers for lead pollution monitoring under different saline conditions. <i>Ecological Indicators</i> , 2019, 104, 567-575.	2.6	12
75	Importance of Physiological Traits Vulnerability in Determine Halophytes Tolerance to Salinity Excess: A Comparative Assessment in <i>Atriplex halimus</i> . <i>Plants</i> , 2020, 9, 690.	1.6	12
76	Phenotypic diploidization in plant functional traits uncovered by synthetic neopolyploids in <i>Dianthus broteri</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 5522-5533.	2.4	11
77	Soil phenanthrene phytoremediation capacity in bacteria-assisted <i>Spartina densiflora</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109382.	2.9	10
78	Assessing the Biofortification of Wheat Plants by Combining a Plant Growth-Promoting Rhizobacterium (PGPR) and Polymeric Fe-Nanoparticles: Allies or Enemies?. <i>Agronomy</i> , 2022, 12, 228.	1.3	10
79	Role of Nodulation-Enhancing Rhizobacteria in the Promotion of <i>Medicago sativa</i> Development in Nutrient-Poor Soils. <i>Plants</i> , 2022, 11, 1164.	1.6	10
80	Atmospheric CO <sub>2</sub> enrichment effect on the Cu-tolerance of the C <sub>4</sub> cordgrass <i>Spartina densiflora</i> . <i>Journal of Plant Physiology</i> , 2018, 220, 155-166.	1.6	9
81	Synergic effect of salinity and light-chilling on photosystem II photochemistry of the halophyte, <i>Sarcocornia frutescens</i> . <i>Journal of Arid Environments</i> , 2009, 73, 586-589.	1.2	8
82	Differential photosynthetic performance of three Mediterranean shrubs under grazing by domestic goats. <i>Photosynthetica</i> , 2010, 48, 348-354.	0.9	8
83	Dissipation and effects of tricyclazole on soil microbial communities and rice growth as affected by amendment with alperujo compost. <i>Science of the Total Environment</i> , 2016, 550, 637-644.	3.9	8
84	Uncovering PGPB <i>Vibrio spartinae</i> inoculation-triggered physiological mechanisms involved in the tolerance of <i>Halimione portulacoides</i> to NaCl excess. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 151-159.	2.8	8
85	Coastal Ecosystems as Sources of Biofertilizers in Agriculture: From Genomics to Application in an Urban Orchard. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
86	Polyploidy promotes divergent evolution across the leaf economics spectrum and plant edaphic niche in the <i>Dianthus broteri</i> complex. <i>Journal of Ecology</i> , 2022, 110, 605-618.	1.9	8
87	The effect of simulated damage by weevils on <i>Quercus ilex</i> subsp. <i>Ballota</i> acorns germination, seedling growth and tolerance to experimentally induced drought. <i>Forest Ecology and Management</i> , 2018, 409, 740-748.	1.4	7
88	Combined effect of Cr-toxicity and temperature rise on physiological and biochemical responses of <i>Atriplex halimus</i> L.. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 675-682.	2.8	7
89	Inter-population differences tolerance to Cu excess during the initials phases of <i>Juncus acutus</i> life cycle: implications for the design of metal restoration strategies. <i>International Journal of Phytoremediation</i> , 2019, 21, 550-555.	1.7	7
90	Conditions for translocation of a key threatened species, <i>Dianthus inoxianus</i> Gallego, in the southwestern Iberian Mediterranean forest. <i>Forest Ecology and Management</i> , 2019, 446, 1-9.	1.4	6

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91	Microbial strategies in non-target invasive <i>Spartina densiflora</i> for heavy metal clean up in polluted saltmarshes. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 238, 106730.	0.9	6
92	Estimation of leaf area index and leaf chlorophyll content in <i>Sporobolus densiflorus</i> using hyperspectral measurements and PROSAIL model simulations. <i>International Journal of Remote Sensing</i> , 2021, 42, 1181-1200.	1.3	6
93	Municipal Solid Waste Compost Application Improves the Negative Impact of Saline Soil in Two Forage Species. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1421-1434.	0.6	5
94	Heavy Metal Pre-Conditioning History Modulates <i>Spartina patens</i> Physiological Tolerance along a Salinity Gradient. <i>Plants</i> , 2021, 10, 2072.	1.6	5
95	Cordgrass Invasions in Mediterranean Marshes: Past, Present and Future. <i>World Terraced Landscapes: History, Environment, Quality of Life Environmental History</i> , 2018, , 171-193.	0.2	4
96	<i>Sarcocornia fruticosa</i> photosynthetic response to short-term extreme temperature events in combination with optimal and sub-optimal salinity concentrations. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 45-52.	2.8	4
97	Salinity Modulates <i>Juncus acutus</i> L. Tolerance to Diesel Fuel Pollution. <i>Plants</i> , 2022, 11, 758.	1.6	4
98	Effect of herbicide and soil amendment on growth and photosynthetic responses in olive crops. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 523-528.	0.7	3
99	Understanding the impact of a complex environmental matrix associated with climate change on the European marshes engineer species <i>Spartina maritima</i> . <i>Environmental and Experimental Botany</i> , 2021, 182, 104304.	2.0	3
100	Modular response to salinity in the annual halophyte, <i>Salicornia ramosissima</i> . <i>Photosynthetica</i> , 2010, 48, 157-160.	0.9	2
101	Interpopulation Responses to Metal Pollution: Metal Tolerance in Wetland Plants. , 2013, , 149-161.		2
102	Photosynthetic responses to light intensity of <i>Sarcocornia taxa</i> (Chenopodiaceae). <i>Russian Journal of Plant Physiology</i> , 2010, 57, 887-891.	0.5	1
103	Seasonal ecophysiology of an endangered coastal species, the yellow-horned poppy ( <i>Glaucium flavum</i> ) Tj ETQq1 1 0.784314 1gBT /Ov 0.3	0.3	1