Manuel Gonzalez-Guerrero

List of Publications by Year
in descending order

51 papers	3,249 citations	186265 28 h-index	233421 45 g-index
64 all docs	64 docs citations	64 times ranked	3019 citing authors

#	Article	IF	Citations
1	<i>Arabidopsis thaliana</i>Zn2+-efflux ATPases HMA2 and HMA4 are required for resistance to the necrotrophic fungus<i>Plectosphaerella cucumerina</i>BMM. Journal of Experimental Botany, 2022, 73, 339-350.	4.8	8
2	Micronutrient homeostasis in plants for more sustainable agriculture and healthier human nutrition. Journal of Experimental Botany, 2022, 73, 1789-1799.	4.8	35
3	Soybean Yellow Stripe-like 7 is a symbiosome membrane peptide transporter important for nitrogen fixation. Plant Physiology, 2021, 186, 581-598.	4.8	14
4	<i><scp>Medicago truncatula</scp> Yellow <scp>Stripeâ€Like7</scp></i> encodes a peptide transporter participating in symbiotic nitrogen fixation. Plant, Cell and Environment, 2021, 44, 1908-1920.	5.7	7
5	Robust Survival-Based RNA Interference of Gene Families Using in Tandem Silencing of Adenine Phosphoribosyltransferase. Plant Physiology, 2020, 184, 607-619.	4.8	8
6	The <i>Medicago truncatula Yellow Stripe1-Like3</i> gene is involved in vascular delivery of transition metals to root nodules. Journal of Experimental Botany, 2020, 71, 7257-7269.	4.8	10
7	MtCOPT2 is a Cu+ transporter specifically expressed in Medicago truncatula mycorrhizal roots. Mycorrhiza, 2020, 30, 781-788.	2.8	15
8	Chitin Triggers Calcium-Mediated Immune Response in the Plant Model <i>Physcomitrella patens</i>. Molecular Plant-Microbe Interactions, 2020, 33, 911-920.	2.6	18
9	<i>Medicago truncatula</i> Ferroportin2 mediates iron import into nodule symbiosomes. New Phytologist, 2020, 228, 194-209.	7.3	23
10	When Two's Company: New Evidences on Dual Fe/Co Selectivity ofÂTransport in the Co2+-Exporting Cation Diffusion Facilitators (CoF-eCDF) Family. Biophysical Journal, 2020, 118, 131a.	0.5	0
11	MtMOT1.2 is responsible for molybdate supply to <scp><i>Medicago truncatula</i></scp> nodules. Plant, Cell and Environment, 2019, 42, 310-320.	5.7	54
12	Editorial: Metallic Micronutrient Homeostasis in Plants. Frontiers in Plant Science, 2019, 10, 927.	3.6	3
13	Nicotianamine Synthase 2 Is Required for Symbiotic Nitrogen Fixation in Medicago truncatula Nodules. Frontiers in Plant Science, 2019, 10, 1780.	3.6	13
14	<i>Medicago truncatula</i> copper transporter 1 (Mt<scp>COPT</scp>1) delivers copper for symbiotic nitrogen fixation. New Phytologist, 2018, 218, 696-709.	7.3	42
15	An Iron-Activated Citrate Transporter, MtMATE67, Is Required for Symbiotic Nitrogen Fixation. Plant Physiology, 2018, 176, 2315-2329.	4.8	55
16	MtMTP2-Facilitated Zinc Transport Into Intracellular Compartments Is Essential for Nodule Development in Medicago truncatula. Frontiers in Plant Science, 2018, 9, 990.	3.6	23
17	Genomic Diversity in the Endosymbiotic Bacterium Rhizobium leguminosarum. Genes, 2018, 9, 60.	2.4	22
18	The Diverse Iron Distribution in Eudicotyledoneae Seeds: From Arabidopsis to Quinoa. Frontiers in Plant Science, 2018, 9, 1985.	3.6	12

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19	<scp><i>Medicago truncatula</i> Zincâ€Iron Permease6</scp> provides zinc to rhizobiaâ€infected nodule cells. Plant, Cell and Environment, 2017, 40, 2706-2719.	5.7	40
20	<i>Medicago truncatula</i> Molybdate Transporter type 1 (MtMOT1.3) is a plasma membrane molybdenum transporter required for nitrogenase activity in root nodules under molybdenum deficiency. New Phytologist, 2017, 216, 1223-1235.	7.3	79
21	Transition Metal Transport in Plants and Associated Endosymbionts: Arbuscular Mycorrhizal Fungi and Rhizobia. Frontiers in Plant Science, 2016, 7, 1088.	3.6	131
22	Unlocking the bacterial and fungal communities assemblages of sugarcane microbiome. Scientific Reports, 2016, 6, 28774.	3.3	269
23	<i>Medicago truncatula</i> Natural Resistance-Associated Macrophage Protein1 Is Required for Iron Uptake by Rhizobia-Infected Nodule Cells Â. Plant Physiology, 2015, 168, 258-272.	4.8	85
24	Fixating on metals: new insights into the role of metals in nodulation and symbiotic nitrogen fixation. Frontiers in Plant Science, 2014, 5, 45.	3.6	87
25	Unravelling potassium nutrition in ectomycorrhizal associations. New Phytologist, 2014, 201, 707-709.	7.3	22
26	Iron distribution through the developmental stages of Medicago truncatula nodules. Metallomics, 2013, 5, 1247.	2.4	52
27	Sinorhizobium meliloti Nia is a P1B-5-ATPase expressed in the nodule during plant symbiosis and is involved in Ni and Fe transport. Metallomics, 2013, 5, 1614.	2.4	39
28	Metal Transport across Biomembranes: Emerging Models for a Distinct Chemistry. Journal of Biological Chemistry, 2012, 287, 13510-13517.	3.4	94
29	The Mechanism of Bacterial Cu+-ATPases. Distinct Efflux Rates Adapted to Different Function. Biophysical Journal, 2011, 100, 465a.	0.5	0
30	Bacterial Transition Metal P_{1B}-ATPases: Transport Mechanism and Roles in Virulence. Biochemistry, 2011, 50, 9940-9949.	2.5	101
31	The transport mechanism of bacterial Cu+-ATPases: distinct efflux rates adapted to different function. BioMetals, 2011, 24, 467-475.	4.1	106
32	Characterization of a CuZn superoxide dismutase gene in the arbuscular mycorrhizal fungus Glomus intraradices. Current Genetics, 2010, 56, 265-274.	1.7	73
33	GintABC1 encodes a putative ABC transporter of the MRP subfamily induced by Cu, Cd, and oxidative stress in Glomus intraradices. Mycorrhiza, 2010, 20, 137-146.	2.8	76
34	Distinct functional roles of homologous Cu⁺ efflux ATPases in <i>Pseudomonas aeruginosa</i>. Molecular Microbiology, 2010, 78, 1246-1258.	2.5	139
35	Chaperone-mediated Cu+ Delivery to Cu+ Transport ATPases. Journal of Biological Chemistry, 2009, 284, 20804-20811.	3.4	52
36	Survival strategies of arbuscular mycorrhizal fungi in Cu-polluted environments. Phytochemistry Reviews, 2009, 8, 551-559.	6.5	89

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37	Interplay of Ligand Binding, Domain Interaction and Chaperone Mediated Cu+ Delivery to Cu+ Transport ATPases. Biophysical Journal, 2009, 96, 144a.	0.5	0
38	Mechanisms Underlying Heavy Metal Tolerance in Arbuscular Mycorrhizas. , 2009, , 107-122.		37
39	Mechanistic steps of metal uploading into Cu + â€transporting ATPases. FASEB Journal, 2009, 23, 867.3.	0.5	0
40	Mechanism of Cu⁺-transporting ATPases: Soluble Cu⁺chaperones directly transfer Cu⁺to transmembrane transport sites. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5992-5997.	7.1	210
41	Cu+-ATPases Brake System. Structure, 2008, 16, 833-834.	3.3	12
42	In vitro Cultures Open New Prospects for Basic Research in Arbuscular Mycorrhizas. , 2008, , 627-654.		3
43	Ultrastructural localization of heavy metals in the extraradical mycelium and spores of the arbuscular mycorrhizal fungus<i>Glomus intraradices</i>. Canadian Journal of Microbiology, 2008, 54, 103-110.	1.7	158
44	Structure of the Two Transmembrane Cu+ Transport Sites of the Cu+-ATPases*. Journal of Biological Chemistry, 2008, 283, 29753-29759.	3.4	90
45	Novel Zn2+ Coordination by the Regulatory N-Terminus Metal Binding Domain of Arabidopsis thaliana Zn2+-ATPase HMA2. Biochemistry, 2007, 46, 7754-7764.	2.5	52
46	The structure and function of heavy metal transport P1B-ATPases. BioMetals, 2007, 20, 233-248.	4.1	303
47	GintMT1 encodes a functional metallothionein in Glomus intraradices that responds to oxidative stress. Mycorrhiza, 2007, 17, 327-335.	2.8	98
48	GintAMT1 encodes a functional high-affinity ammonium transporter that is expressed in the extraradical mycelium of Glomus intraradices. Fungal Genetics and Biology, 2006, 43, 102-110.	2.1	175
49	Characterization of a Glomus intraradices gene encoding a putative Zn transporter of the cation diffusion facilitator family. Fungal Genetics and Biology, 2005, 42, 130-140.	2.1	172
50	Genomics of Arbuscular Mycorrhizal Fungi. Applied Mycology and Biotechnology, 2004, 4, 379-403.	0.3	6
51	HIV-1 Tat Inhibits IL-2 Gene Transcription Through Qualitative and Quantitative Alterations of the Cooperative Rel/AP1 Complex Bound to the CD28RE/AP1 Composite Element of the IL-2 Promoter. Journal of Immunology, 2001, 166, 4560-4569.	0.8	22