

Francisco Javier Gutierrez-Maero

List of Publications by Year in Descending Order

Source:

<https://exaly.com/author-pdf/110400/francisco-javier-gutierrez-manero-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,886
citations

31
h-index

52
g-index

73
ext. papers

3,213
ext. citations

4.4
avg, IF

4.74
L-index

#	Paper	IF	Citations
70	Beneficial Microorganisms: The Best Partner to Improve Plant Adaptative Capacity. <i>Biology and Life Sciences Forum</i> , 2021 , 4, 102		0
69	Bioeffectors as Biotechnological Tools to Boost Plant Innate Immunity: Signal Transduction Pathways Involved. <i>Plants</i> , 2020 , 9,	4.5	2
68	Management of Plant Physiology with Beneficial Bacteria to Improve Leaf Bioactive Profiles and Plant Adaptation under Saline Stress in L. <i>Foods</i> , 2020 , 9,	4.9	6
67	Extracts from cultures of induce defensive patterns of gene expression and enzyme activity while depressing visible injury and reactive oxygen species in challenged with pathogenic. <i>AoB PLANTS</i> , 2019 , 11, plz049	2.9	8
66	Oxidative stress in ryegrass growing under different air pollution levels and its likely effects on pollen allergenicity. <i>Plant Physiology and Biochemistry</i> , 2019 , 135, 331-340	5.4	11
65	Biotic elicitation as a tool to improve strawberry and raspberry extract potential on metabolic syndrome-related enzymes in vitro. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 2939-2946	4.3	9
64	Changes of enzyme activities related to oxidative stress in rice plants inoculated with random mutants of a <i>Pseudomonas fluorescens</i> strain able to improve plant fitness upon biotic and abiotic conditions. <i>Functional Plant Biology</i> , 2017 , 44, 1063-1074	2.7	2
63	Transcriptomics, Targeted Metabolomics and Gene Expression of Blackberry Leaves and Fruits Indicate Flavonoid Metabolic Flux from Leaf to Red Fruit. <i>Frontiers in Plant Science</i> , 2017 , 8, 472	6.2	27
62	<i>Lemna minor</i> tolerance to metal-working fluid residues: implications for rhizoremediation. <i>Plant Biology</i> , 2016 , 18, 695-702	3.7	8
61	Photosynthetic and Ultrastructure Parameters of Maize Plants are Affected During the Phyto-Rhizoremediation Process of Degraded Metal Working Fluids. <i>International Journal of Phytoremediation</i> , 2015 , 17, 1183-91	3.9	2
60	Supplementing diet with blackberry extract causes a catabolic response with increments in insulin sensitivity in rats. <i>Plant Foods for Human Nutrition</i> , 2015 , 70, 170-5	3.9	13
59	RNA-Seq analysis and transcriptome assembly for blackberry (<i>Rubus</i> sp. Var. Lochness) fruit. <i>BMC Genomics</i> , 2015 , 16, 5	4.5	50
58	Priming of pathogenesis related-proteins and enzymes related to oxidative stress by plant growth promoting rhizobacteria on rice plants upon abiotic and biotic stress challenge. <i>Journal of Plant Physiology</i> , 2015 , 188, 72-9	3.6	41
57	Functional diversity and dynamics of bacterial communities in a membrane bioreactor for the treatment of metal-working fluid wastewater. <i>Journal of Water and Health</i> , 2015 , 13, 1006-19	2.2	6
56	Phytoremediation of Contaminated Waters to Improve Water Quality 2015 , 11-26		1
55	Bacterial bioeffectors delay postharvest fungal growth and modify total phenolics, flavonoids and anthocyanins in blackberries. <i>LWT - Food Science and Technology</i> , 2015 , 61, 437-443	5.4	13
54	Application of <i>Pseudomonas fluorescens</i> to Blackberry under Field Conditions Improves Fruit Quality by Modifying Flavonoid Metabolism. <i>PLoS ONE</i> , 2015 , 10, e0142639	3.7	51

53	Annual changes in bioactive contents and production in field-grown blackberry after inoculation with <i>Pseudomonas fluorescens</i> . <i>Plant Physiology and Biochemistry</i> , 2014 , 74, 1-8	5.4	24
52	Microbe associated molecular patterns from rhizosphere bacteria trigger germination and <i>Papaver somniferum</i> metabolism under greenhouse conditions. <i>Plant Physiology and Biochemistry</i> , 2014 , 74, 133-40	5.4	21
51	Beneficial rhizobacteria from rice rhizosphere confers high protection against biotic and abiotic stress inducing systemic resistance in rice seedlings. <i>Plant Physiology and Biochemistry</i> , 2014 , 82, 44-53	5.4	68
50	The role of isoflavone metabolism in plant protection depends on the rhizobacterial MAMP that triggers systemic resistance against <i>Xanthomonas axonopodis</i> pv. <i>glycines</i> in <i>Glycine max</i> (L.) Merr. cv. Osumi. <i>Plant Physiology and Biochemistry</i> , 2014 , 82, 9-16	5.4	19
49	Bacterial siderophores efficiently provide iron to iron-starved tomato plants in hydroponics culture. <i>Antonie Van Leeuwenhoek</i> , 2013 , 104, 321-30	2.1	161
48	Spent metal working fluids produced alterations on photosynthetic parameters and cell-ultrastructure of leaves and roots of maize plants. <i>Journal of Hazardous Materials</i> , 2013 , 260, 220-30	12.8	11
47	Combined phytoremediation of metal-working fluids with maize plants inoculated with different microorganisms and toxicity assessment of the phytoremediated waste. <i>Chemosphere</i> , 2013 , 90, 2654-61	8.4	20
46	Enhanced blackberry production using <i>Pseudomonas fluorescens</i> as elicitor. <i>Agronomy for Sustainable Development</i> , 2013 , 33, 385-392	6.8	29
45	Increased microbial activity and nitrogen mineralization coupled to changes in microbial community structure in the rhizosphere of Bt corn. <i>Applied Soil Ecology</i> , 2013 , 68, 46-56	5	12
44	Structural and functional study in the rhizosphere of <i>Oryza sativa</i> L. plants growing under biotic and abiotic stress. <i>Journal of Applied Microbiology</i> , 2013 , 115, 218-35	4.7	22
43	Method development for determination of (+)-catechin and (-)-epicatechin by micellar electrokinetic chromatography: annual characterization of field grown blackberries. <i>Electrophoresis</i> , 2013 , 34, 2251-8	3.6	10
42	Bacterial bioeffectors modify bioactive profile and increase isoflavone content in soybean sprouts (<i>Glycine max</i> var Osumi). <i>Plant Foods for Human Nutrition</i> , 2013 , 68, 299-305	3.9	20
41	<i>Pseudomonas fluorescens</i> N21.4 metabolites enhance secondary metabolism isoflavones in soybean (<i>Glycine max</i>) calli cultures. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11080-7	5.7	26
40	Elicitation of secondary metabolism in <i>Hypericum perforatum</i> by rhizosphere bacteria and derived elicitors in seedlings and shoot cultures. <i>Pharmaceutical Biology</i> , 2012 , 50, 1201-9	3.8	36
39	Evaluation of biocontrol agro-techniques against <i>R. solani</i> : study of microbial communities catabolic profile modifications. <i>Journal of Agricultural Science</i> , 2011 , 149, 595-607	1	1
38	Biotic elicitation of isoflavone metabolism with plant growth promoting rhizobacteria in early stages of development in <i>Glycine max</i> var. Osumi. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 1484-92	5.7	34
37	Survival of native <i>Pseudomonas</i> in soil and wheat rhizosphere and antagonist activity against plant pathogenic fungi. <i>Antonie Van Leeuwenhoek</i> , 2010 , 97, 241-51	2.1	36
36	Characterization of the rhizosphere microbial community from different <i>Arabidopsis thaliana</i> genotypes using phospholipid fatty acids (PLFA) analysis. <i>Plant and Soil</i> , 2010 , 329, 315-325	4.2	13

35	Siderophore and chitinase producing isolates from the rhizosphere of <i>Nicotiana glauca</i> Graham enhance growth and induce systemic resistance in <i>Solanum lycopersicum</i> L.. <i>Plant and Soil</i> , 2010 , 334, 189-197	4.2	54
34	Functional diversity of rhizosphere microorganisms from different genotypes of <i>Arabidopsis thaliana</i> . <i>Community Ecology</i> , 2009 , 10, 111-119	1.2	10
33	Use of two PGPR strains in the integrated management of blast disease in rice (<i>Oryza sativa</i>) in Southern Spain. <i>Field Crops Research</i> , 2009 , 114, 404-410	5.5	91
32	Effect of fire and retardant on soil microbial activity and functional diversity in a Mediterranean pasture. <i>Geoderma</i> , 2009 , 153, 186-193	6.7	24
31	Transgenic tomato plants alter quorum sensing in plant growth-promoting rhizobacteria. <i>Plant Biotechnology Journal</i> , 2008 , 6, 442-52	11.6	73
30	Effect of inoculation with putative plant growth-promoting rhizobacteria isolated from <i>Pinus</i> spp. on <i>Pinus pinea</i> growth, mycorrhization and rhizosphere microbial communities. <i>Journal of Applied Microbiology</i> , 2008 , 105, 1298-309	4.7	39
29	Protection against pathogen and salt stress by four plant growth-promoting rhizobacteria isolated from <i>Pinus</i> sp. on <i>Arabidopsis thaliana</i> . <i>Phytopathology</i> , 2008 , 98, 666-72	3.8	116
28	Systemic disease protection elicited by plant growth promoting rhizobacteria strains: relationship between metabolic responses, systemic disease protection, and biotic elicitors. <i>Phytopathology</i> , 2008 , 98, 451-7	3.8	87
27	Elicitation of systemic resistance and growth promotion of <i>Arabidopsis thaliana</i> by PGPRs from <i>Nicotiana glauca</i> : a study of the putative induction pathway. <i>Plant and Soil</i> , 2007 , 290, 43-50	4.2	37
26	Screening for PGPR to improve growth of <i>Cistus ladanifer</i> seedlings for reforestation of degraded mediterranean ecosystems. <i>Plant and Soil</i> , 2006 , 287, 59-68	4.2	16
25	Genetic diversity of indigenous tropical fast-growing rhizobia isolated from soybean nodules. <i>Plant and Soil</i> , 2006 , 288, 343-356	4.2	41
24	Combined Application of the Biological Product LS213 with <i>Bacillus</i> , <i>Pseudomonas</i> or <i>Chryseobacterium</i> for Growth Promotion and Biological Control of Soil-Borne Diseases in Pepper and Tomato. <i>BioControl</i> , 2006 , 51, 245-258	2.3	116
23	Seasonal diversity changes in alder (<i>Alnus glutinosa</i>) culturable rhizobacterial communities throughout a phenological cycle. <i>Applied Soil Ecology</i> , 2005 , 29, 215-224	5	12
22	Screening for putative PGPR to improve establishment of the symbiosis <i>Lactarius deliciosus</i> - <i>Pinus</i> sp. <i>Microbial Ecology</i> , 2005 , 50, 82-9	4.4	41
21	Growth of forest plants (pine and holm-oak) inoculated with rhizobacteria: relationship with microbial community structure and biological activity of its rhizosphere. <i>Environmental and Experimental Botany</i> , 2004 , 52, 239-251	5.9	47
20	<i>Bacillus</i> spp. and <i>Pisolithus tinctorius</i> effects on <i>Quercus ilex</i> ssp. <i>ballota</i> : a study on tree growth, rhizosphere community structure and mycorrhizal infection. <i>Forest Ecology and Management</i> , 2004 , 194, 293-303	3.9	18
19	Effect of inoculation of <i>Bacillus</i> licheniformis on tomato and pepper. <i>Agronomy for Sustainable Development</i> , 2004 , 24, 169-176		57
18	Influence of an indigenous European alder (<i>Alnus glutinosa</i> (L.) Gaertn) rhizobacterium (<i>Bacillus pumilus</i>) on the growth of alder and its rhizosphere microbial community structure in two soils. <i>New Forests</i> , 2003 , 25, 149-159	2.6	15

17	Colonization of pepper roots by a plant growth promoting <i>Pseudomonas fluorescens</i> strain. <i>Biology and Fertility of Soils</i> , 2003 , 37, 381-385	6.1	11
16	Alterations in the rhizobacterial community associated with European alder growth when inoculated with PGPR strain <i>Bacillus licheniformis</i> . <i>Environmental and Experimental Botany</i> , 2003 , 49, 61-68	5.9	38
15	Effects of Culture Filtrates of Rhizobacteria Isolated from Wild Lupine on Germination, Growth, and Biological Nitrogen Fixation of Lupine Seedlings. <i>Journal of Plant Nutrition</i> , 2003 , 26, 1101-1115	2.3	46
14	Systemic induction of the biosynthesis of terpenic compounds in <i>Digitalis lanata</i> . <i>Journal of Plant Physiology</i> , 2003 , 160, 105-13	3.6	28
13	Interactions of arbuscular-mycorrhizal fungi and <i>Bacillus</i> strains and their effects on plant growth, microbial rhizosphere activity (thymidine and leucine incorporation) and fungal biomass (ergosterol and chitin). <i>Applied Soil Ecology</i> , 2003 , 22, 15-28	5	78
12	<i>Pinus pinea</i> L. seedling growth and bacterial rhizosphere structure after inoculation with PGPR <i>Bacillus</i> (<i>B. licheniformis</i> CECT 5106 and <i>B. pumilus</i> CECT 5105). <i>Applied Soil Ecology</i> , 2002 , 20, 75-84	5	84
11	Genetic variability of rhizobacteria from wild populations of four <i>Lupinus</i> species based on PCR-RAPDs. <i>Journal of Plant Nutrition and Soil Science</i> , 2001 , 164, 1-7	2.3	44
10	Effects of Inoculation with PGPR <i>Bacillus</i> and <i>Pisolithus tinctorius</i> on <i>Pinus pinea</i> L. Growth, Bacterial rhizosphere Colonization, and Mycorrhizal Infection. <i>Microbial Ecology</i> , 2001 , 41, 140-148	4.4	63
9	The plant-growth-promoting rhizobacteria <i>Bacillus pumilus</i> and <i>Bacillus licheniformis</i> produce high amounts of physiologically active gibberellins. <i>Physiologia Plantarum</i> , 2001 , 111, 206-211	4.6	401
8	Low molecular weight organic acids and fatty acids in root exudates of two <i>Lupinus</i> cultivars at flowering and fruiting stages. <i>Phytochemical Analysis</i> , 2001 , 12, 305-11	3.4	60
7	Isolation and characterization of new efficient and competitive bean (<i>Phaseolus vulgaris</i> L.) rhizobia from Brazil. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 1515-1528	7.5	152
6	Separation and identification of organic acids in root exudates of <i>Lupinus luteus</i> by capillary zone electrophoresis 1999 , 10, 55-59		20
5	Effects of european alder (<i>Alnus glutinosa</i> (L.) Gaertn) rhizobacteria on nodular metabolism and root development. <i>Plant Growth Regulation</i> , 1997 , 22, 145-149	3.2	6
4	The influence of native rhizobacteria on european alder (<i>Alnus glutinosa</i> (L.) Gaertn.) growth. <i>Plant and Soil</i> , 1996 , 182, 59-66	4.2	70
3	The influence of native rhizobacteria on European alder (<i>Alnus glutinosa</i> (L.) Gaertn.) growth. <i>Plant and Soil</i> , 1996 , 182, 67-74	4.2	68
2	Effect of alder (<i>Alnus glutinosa</i> L. Gaertn.) roots on distribution of proteolytic, ammonifying, and nitrifying bacteria in soil. <i>Geomicrobiology Journal</i> , 1995 , 13, 129-138	2.5	7
1	Seasonal changes in physiological groups of bacteria that participate in the nitrogen cycle in the rhizosphere of the alder. <i>Geomicrobiology Journal</i> , 1993 , 11, 133-140	2.5	3