

# JosÃ© M. Igual

## List of Publications by Year in descending order

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89  
papers

3,735  
citations

136950

32  
h-index

144013

57  
g-index

90  
all docs

90  
docs citations

90  
times ranked

4079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant species and functional group effects on abiotic and microbial soil properties and plant-soil feedback responses in two grasslands. <i>Journal of Ecology</i> , 2006, 94, 893-904.	4.0	311
2	Correlation among soil enzyme activities under different forest system management practices. <i>Ecological Engineering</i> , 2011, 37, 1123-1131.	3.6	165
3	Rhizobium Promotes Non-Legumes Growth and Quality in Several Production Steps: Towards a Biofertilization of Edible Raw Vegetables Healthy for Humans. <i>PLoS ONE</i> , 2012, 7, e38122.	2.5	155
4	Revision of the taxonomic status of the species <i>Rhizobium leguminosarum</i> (Frank 1879) Frank 1889AL, <i>Rhizobium phaseoli</i> Dangeard 1926AL and <i>Rhizobium trifolii</i> Dangeard 1926AL. <i>R. trifolii</i> is a later synonym of <i>R. leguminosarum</i> . Reclassification of the strain <i>R. leguminosarum</i> DSM 30132 (=NCIMB) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 2008, 58, 2484-2490.		
5	Phosphate-solubilizing bacteria as inoculants for agriculture: use of updated molecular techniques in their study. <i>Agronomy for Sustainable Development</i> , 2001, 21, 561-568.	0.8	154
6	<i>Phyllobacterium trifolii</i> sp. nov., nodulating <i>Trifolium</i> and <i>Lupinus</i> in Spanish soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1985-1989.	1.7	143
7	<i>Rhizobium lusitanum</i> sp. nov. a bacterium that nodulates <i>Phaseolus vulgaris</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2631-2637.	1.7	139
8	CLIMATE VS. SOIL FACTORS IN LOCAL ADAPTATION OF TWO COMMON PLANT SPECIES. <i>Ecology</i> , 2007, 88, 424-433.	3.2	125
9	<i>Herbaspirillum lusitanum</i> sp. nov., a novel nitrogen-fixing bacterium associated with root nodules of <i>Phaseolus vulgaris</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1979-1983.	1.7	121
10	Differential effects of coinoculations with <i>Pseudomonas jessenii</i> PS06 (a phosphate-solubilizing) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 greenhouse and field conditions. <i>Plant and Soil</i> , 2006, 287, 43-50.	3.7	102
11	<i>Mesorhizobium chacoense</i> sp. nov., a novel species that nodulates <i>Prosopis alba</i> in the Chaco Arido region (Argentina).. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 1011-1021.	1.7	100
12	Reclassification of <i>Pseudomonas aurantiaca</i> as a synonym of <i>Pseudomonas chlororaphis</i> and proposal of three subspecies, <i>P. chlororaphis</i> subsp. <i>chlororaphis</i> subsp. nov., <i>P. chlororaphis</i> subsp. <i>aureofaciens</i> subsp. nov., comb. nov. and <i>P. chlororaphis</i> subsp. <i>aurantiaca</i> subsp. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1286-1290.	1.7	99
13	Diversity and activity of phosphate bioleaching bacteria from a high-phosphorus iron ore. <i>Hydrometallurgy</i> , 2008, 92, 124-129.	4.3	97
14	Characterization of brushite as a re-crystallization product formed during bacterial solubilization of hydroxyapatite in batch cultures. <i>Soil Biology and Biochemistry</i> , 2006, 38, 2645-2654.	8.8	94
15	Abundance, diversity and prospecting of culturable phosphate solubilizing bacteria on soils under cropã€“pasture rotations in a no-tillage regime in Uruguay. <i>Applied Soil Ecology</i> , 2012, 61, 320-326.	4.3	80
16	Mobilization of phosphorus from iron ore by the bacterium <i>Burkholderia caribensis</i> FeGL03. <i>Minerals Engineering</i> , 2009, 22, 1-9.	4.3	74
17	<i>Micromonospora</i> from nitrogen fixing nodules of alfalfa ( <i>Medicago sativa</i> L.). A new promising Plant Probiotic Bacteria.. <i>Scientific Reports</i> , 2014, 4, 6389.	3.3	69
18	Carbon addition alters vegetation composition on ex-arable fields. <i>Journal of Applied Ecology</i> , 2006, 44, 95-104.	4.0	67

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19	Revision of the taxonomic status of the species <i>Rhizobium lupini</i> and reclassification as <i>Bradyrhizobium lupini</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1213-1219.	1.7	52
20	Reclassification of strains MAFF 303099T and R7A into <i>Mesorhizobium japonicum</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4936-4941.	1.7	52
21	<i>Pseudomonas coleopterorum</i> sp. nov., a cellulase-producing bacterium isolated from the bark beetle <i>Hylesinus fraxini</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2852-2858.	1.7	50
22	Strains nodulating <i>Lupinus albus</i> on different continents belong to several new chromosomal and symbiotic lineages within <i>Bradyrhizobium</i> . <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 363-376.	1.7	48
23	Revision of the taxonomic status of type strains of <i>Mesorhizobium loti</i> and reclassification of strain USDA 3471T as the type strain of <i>Mesorhizobium erdmanii</i> sp. nov. and ATCC 33669T as the type strain of <i>Mesorhizobium jarvisii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1703-1708.	1.7	47
24	<i>Microbacterium endophyticum</i> sp. nov. and <i>Microbacterium halimionae</i> sp. nov., endophytes isolated from the salt-marsh plant <i>Halimione portulacoides</i> and emended description of the genus <i>Microbacterium</i> . <i>Systematic and Applied Microbiology</i> , 2014, 37, 474-479.	2.8	46
25	<i>Burkholderia ferrariae</i> sp. nov., isolated from an iron ore in Brazil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2421-2425.	1.7	45
26	Rapid adaptation of microalgae to bodies of water with extreme pollution from uranium mining: An explanation of how mesophilic organisms can rapidly colonise extremely toxic environments. <i>Aquatic Toxicology</i> , 2013, 144-145, 116-123.	4.0	44
27	Influence of Herbicide Triasulfuron on Soil Microbial Community in an Unamended Soil and a Soil Amended with Organic Residues. <i>Frontiers in Microbiology</i> , 2017, 8, 378.	3.5	44
28	Diversity and community structure of culturable arsenic-resistant bacteria across a soil arsenic gradient at an abandoned tungsten-tin mining area. <i>Chemosphere</i> , 2011, 85, 129-134.	8.2	39
29	<i>Paenibacillus endophyticus</i> sp. nov., isolated from nodules of <i>Cicer arietinum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4433-4438.	1.7	37
30	<i>Pseudorhizobium pelagicum</i> gen. nov., sp. nov. isolated from a pelagic Mediterranean zone. <i>Systematic and Applied Microbiology</i> , 2015, 38, 293-299.	2.8	37
31	Long-term effectiveness of sowing high and low diversity seed mixtures to enhance plant community development on ex-arable fields. <i>Applied Vegetation Science</i> , 2007, 10, 97.	1.9	36
32	Discovery of Phloeophagus Beetles as a Source of <i>Pseudomonas</i> Strains That Produce Potentially New Bioactive Substances and Description of <i>Pseudomonas bohémica</i> sp. nov.. <i>Frontiers in Microbiology</i> , 2018, 9, 913.	3.5	35
33	<i>Cohnella lupini</i> sp. nov., an endophytic bacterium isolated from root nodules of <i>Lupinus albus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 83-87.	1.7	34
34	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. <i>Scientific Reports</i> , 2019, 9, 4678.	3.3	34
35	<i>Paenibacillus lupini</i> sp. nov., isolated from nodules of <i>Lupinus albus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3028-3033.	1.7	32
36	Genome Insights into the Novel Species <i>Microvirga brassicacearum</i> , a Rapeseed Endophyte with Biotechnological Potential. <i>Microorganisms</i> , 2019, 7, 354.	3.6	30

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37	<i>Paenibacillus castaneae</i> sp. nov., isolated from the phyllosphere of <i>Castanea sativa</i> Miller. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 2560-2564.	1.7	29
38	Simultaneous application of two herbicides and green compost in a field experiment: Implications on soil microbial community. <i>Applied Soil Ecology</i> , 2018, 127, 30-40.	4.3	25
39	Beneath the canopy: Linking drought-induced forest die off and changes in soil properties. <i>Forest Ecology and Management</i> , 2018, 422, 294-302.	3.2	25
40	<i>Bradyrhizobium cajani</i> sp. nov. isolated from nodules of <i>Cajanus cajan</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2236-2241.	1.7	25
41	<i>Pseudonocardia nigra</i> sp. nov., isolated from Atacama Desert rock. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2980-2985.	1.7	23
42	Title is missing!. <i>Plant and Soil</i> , 1997, 190, 41-46.	3.7	22
43	<i>Rhizobium zeae</i> sp. nov., isolated from maize ( <i>Zea mays</i> L.) roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2306-2311.	1.7	22
44	<i>Modestobacter excelsi</i> sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126051.	2.8	21
45	The enduring effects of sowing legume-rich mixtures on the soil microbial community and soil carbon in semi-arid wood pastures. <i>Plant and Soil</i> , 2021, 465, 563-582.	3.7	21
46	<i>Phyllobacterium salinisoli</i> sp. nov., isolated from a <i>Lotus lancerottensis</i> root nodule in saline soil from Lanzarote. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1085-1089.	1.7	20
47	<i>Streptacidiphilus bronchialis</i> sp. nov., a ciprofloxacin-resistant bacterium from a human clinical specimen; reclassification of <i>Streptomyces griseoplanus</i> as <i>Streptacidiphilus griseoplanus</i> comb. nov. and emended description of the genus <i>Streptacidiphilus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1047-1056.	1.7	20
48	<i>Modestobacter italicus</i> sp. nov., isolated from Carrara marble quarry and emended descriptions of the genus <i>Modestobacter</i> and the species <i>Modestobacter marinus</i> , <i>Modestobacter multiseptatus</i> , <i>Modestobacter roseus</i> and <i>Modestobacter versicolor</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1537-1545.	1.7	19
49	<i>Kushneria phyllosphaerae</i> sp. nov. and <i>Kushneria endophytica</i> sp. nov., plant growth promoting endophytes isolated from the halophyte plant <i>Arthrocnemum macrostachyum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2800-2806.	1.7	18
50	Analysis of LMW RNA Profiles of <i>Frankia</i> Strains by Staircase Electrophoresis. <i>Systematic and Applied Microbiology</i> , 1998, 21, 539-545.	2.8	17
51	<i>Pseudomonas endophytica</i> sp. nov., isolated from stem tissue of <i>Solanum tuberosum</i> L. in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2110-2117.	1.7	17
52	Genome Analysis of <i>Endobacterium cerealis</i> , a Novel Genus and Species Isolated from <i>Zea mays</i> Roots in North Spain. <i>Microorganisms</i> , 2020, 8, 939.	3.6	17
53	<i>Micromonospora orduensis</i> sp. nov., isolated from deep marine sediment. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 397-405.	1.7	16
54	<i>Micromonospora acroterricola</i> sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3426-3436.	1.7	16

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55	Cellulase isoenzyme profiles in Frankia strains belonging to different cross-inoculation groups. <i>Plant and Soil</i> , 2001, 229, 35-39.	3.7	15
56	Casuarina cunninghamiana Tissue Extracts Stimulate the Growth of Frankia and Differentially Alter the Growth of Other Soil Microorganisms. <i>Journal of Chemical Ecology</i> , 2004, 30, 439-452.	1.8	15
57	Hierarchical drivers of soil microbial community structure variability in the Monte Perdido Massif (Central Pyrenees). <i>Scientific Reports</i> , 2019, 9, 8768.	3.3	15
58	Identification of Canola Roots Endophytic Bacteria and Analysis of Their Potential as Biofertilizers for Canola Crops with Special Emphasis on Sporulating Bacteria. <i>Agronomy</i> , 2021, 11, 1796.	3.0	15
59	Halomonas radidis sp. nov., isolated from Arthrocnemum macrostachyum growing in the Odiel marshes (Spain) and emended descriptions of Halomonas xinjiangensis and Halomonas zincidurans. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 220-227.	1.7	15
60	Pseudoalteromonas rhizosphaerae sp. nov., a novel plant growth-promoting bacterium with potential use in phytoremediation. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3287-3294.	1.7	15
61	Evidence of an American Origin for Symbiosis-Related Genes in Rhizobium lusitanum. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5665-5670.	3.1	14
62	Pseudomonas turukhanskensis sp. nov., isolated from oil-contaminated soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4657-4664.	1.7	14
63	Mycobacterium stelleriae sp. nov., a rapidly growing scotochromogenic strain isolated from Stelleria chamaejasme. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3465-3471.	1.7	14
64	Regulation of growth, water use efficiency and $\delta^{13}C$ by the nitrogen source in Casuarina equisetifolia Forst. & Forst.. <i>Plant, Cell and Environment</i> , 1998, 21, 531-534.	5.7	13
65	Mycobacterium eburneum sp. nov., a non-chromogenic, fast-growing strain isolated from sputum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3174-3181.	1.7	13
66	Pseudomonas edaphica sp. nov., isolated from rhizospheric soil of Cistus ladanifer L. in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3141-3147.	1.7	13
67	The role of nutritional impairment in carbon-water balance of silver fir drought-induced dieback. <i>Global Change Biology</i> , 2022, 28, 4439-4458.	9.5	13
68	Natural Diversity of Nodular Microsymbionts of Alnus glutinosa in the Tormes River Basin. <i>Plant and Soil</i> , 2006, 280, 373-383.	3.7	12
69	Actinomadura alkaliterrae sp. nov., isolated from an alkaline soil. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 787-794.	1.7	12
70	Formal description of Mycobacterium neglectum sp. nov. and Mycobacterium palauense sp. nov., rapidly growing actinobacteria. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1209-1223.	1.7	12
71	Erwinia endophytica sp. nov., isolated from potato (Solanum tuberosum L.) stems. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 975-981.	1.7	12
72	Two novel species of rapidly growing mycobacteria: Mycobacterium lehmannii sp. nov. and Mycobacterium neumannii sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4948-4955.	1.7	12

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73	Fontibacillus solani sp. nov. isolated from potato ( <i>Solanum tuberosum</i> L.) root. Antonie Van Leeuwenhoek, 2015, 107, 1315-1321.	1.7	11
74	Culturable bacterial diversity from the chestnut ( <i>Castanea sativa</i> Mill.) phyllosphere and antagonism against the fungi causing the chestnut blight and ink diseases. AIMS Microbiology, 2017, 3, 293-314.	2.2	11
75	Modestobacter altitudinis sp. nov., a novel actinobacterium isolated from Atacama Desert soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3513-3527.	1.7	11
76	Massilia violacea sp. nov., isolated from riverbank soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 707-711.	1.7	11
77	Strain ATCC 4720T is the authentic type strain of Agrobacterium tumefaciens, which is not a later heterotypic synonym of Agrobacterium radiobacter. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5172-5176.	1.7	9
78	Rossellomorea arthrocnemi sp. nov., a novel plant growth-promoting bacterium used in heavy metal polluted soils as a phytoremediation tool. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	9
79	Stimulatory effects of aluminum on in vitro growth of <i>Frankia</i> . Canadian Journal of Botany, 1999, 77, 1321-1326.	1.1	8
80	A study of three bacteria isolated from marine sediment and description of Micromonospora globispora sp. nov.. Systematic and Applied Microbiology, 2019, 42, 190-197.	2.8	8
81	Effects of Windthrows on Forest Cover, Tree Growth and Soil Characteristics in Drought-Prone Pine Plantations. Forests, 2021, 12, 817.	2.1	7
82	Genomic fingerprinting of Frankia strains by PCR-based techniques. Assessment of a primer based on the sequence of 16S rRNA gene of Escherichia coli. Plant and Soil, 2003, 254, 115-123.	3.7	6
83	Jiangella anatolica sp. nov. isolated from coastal lake soil. Antonie Van Leeuwenhoek, 2019, 112, 887-895.	1.7	6
84	Silver fir growth responses to drought depend on interactions between tree characteristics, soil and neighbourhood features. Forest Ecology and Management, 2021, 480, 118625.	3.2	6
85	Draft genome sequence of Promicromonospora panici sp. nov., a novel ionizing-radiation-resistant actinobacterium isolated from roots of the desert plant Panicum turgidum. Extremophiles, 2021, 25, 25-38.	2.3	5
86	Rhizobium croatiense sp. nov. and Rhizobium redzepovicii sp. nov., two new species isolated from nodules of Phaseolus vulgaris in Croatia. Systematic and Applied Microbiology, 2022, 45, 126317.	2.8	5
87	Expression of cysteine proteinase mRNA in chickpea ( <i>Cicer arietinum</i> L.) is localized to provascular cells in the developing root. Journal of Plant Physiology, 2001, 158, 1463-1469.	3.5	4
88	Mesotrione dissipation and response of soil microbial communities in a soil amended with organic residues. Spanish Journal of Soil Science, 0, 5, .	0.0	4
89	Complete Genome Sequence of Streptacidiphilus sp. Strain 15-057A, Obtained from Bronchial Lavage Fluid. Microbiology Resource Announcements, 2018, 7, .	0.6	3