# Francisco Javier Ollero

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 2,709 citations | 147801 31 h-index | 182427 51 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 2597 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Secondary Metabolites of Rhizobium tropici CIAT 899 Added to Bradyrhizobium spp. Inoculant Promote Soybean Growth and Increase Yield. Journal of Soil Science and Plant Nutrition, 2021, 21, 3354-3366. | 3.4 | 1 |
| 2 | Brief history of biofertilizers in Brazil: from conventional approaches to new biotechnological solutions. Brazilian Journal of Microbiology, 2021, 52, 2215-2232. | 2.0 | 14 |
| 3 | Plant Growth-Promoting Rhizobacteria Modulate the Concentration of Bioactive Compounds in Tomato Fruits. Separations, 2021, 8, 223. | 2.4 | 2 |
| 4 | OnfD, an AraC-Type Transcriptional Regulator Encoded by <i>Rhizobium tropici</i> CIAT 899 and Involved in Nod Factor Synthesis and Symbiosis. Applied and Environmental Microbiology, 2020, 86, . | 3.1 | 8 |
| 5 | The Sinorhizobium fredii HH103 type III secretion system effector NopC blocks nodulation with Lotus japonicus Gifu. Journal of Experimental Botany, 2020, 71, 6043-6056. | 4.8 | 21 |
| 6 | The non-flavonoid inducible nodA3 and the flavonoid regulated nodA1 genes of Rhizobium tropici CIAT 899 guarantee nod factor production and nodulation of different host legumes. Plant and Soil, 2019, 440, 185-200. | 3.7 | 9 |
| 7 | Osmotic stress activates nif and fix genes and induces the Rhizobium tropici CIAT 899 Nod factor production via NodD2 by up-regulation of the nodA2 operon and the nodA3 gene. PLoS ONE, 2019, 14, e0213298. | 2.5 | 19 |
| 8 | GunA of Sinorhizobium (Ensifer) fredii HH103 is a T3SS-secreted cellulase that differentially affects symbiosis with cowpea and soybean. Plant and Soil, 2019, 435, 15-26. | 3.7 | 14 |
| 9 | Revealing the roles of y4wF and tidC genes in Rhizobium tropici CIAT 899: biosynthesis of indolic compounds and impact on symbiotic properties. Archives of Microbiology, 2019, 201, 171-183. | 2.2 | 13 |
| 10 | Regulation of hsnT, nodF and nodE genes in Rhizobium tropici CIAT 899 and their roles in the synthesis of Nod factors and in the symbiosis. Microbiology (United Kingdom), 2019, 165, 990-1000. | 1.8 | 4 |
| 11 | Structure of surface polysaccharides from Aeromonas sp. AMG272, a plant-growth promoting rhizobacterium isolated from rice rhizosphere. Carbohydrate Research, 2018, 462, 1-6. | 2.3 | 7 |
| 12 | Revealing strategies of quorum sensing in Azospirillum brasilense strains Ab-V5 and Ab-V6. Archives of Microbiology, 2018, 200, 47-56. | 2.2 | 46 |
| 13 | Transcriptomic Studies of the Effect of nod Gene-Inducing Molecules in Rhizobia: Different Weapons, One Purpose. Genes, 2018, 9, 1. | 2.4 | 120 |
| 14 | Co-inoculation of maize with Azospirillum brasilense and Rhizobium tropici as a strategy to mitigate salinity stress. Functional Plant Biology, 2018, 45, 328. | 2.1 | 105 |
| 15 | Antioxidant activity and induction of mechanisms of resistance to stresses related to the inoculation with Azospirillum brasilense. Archives of Microbiology, 2018, 200, 1191-1203. | 2.2 | 34 |
| 16 | The Sinorhizobium (Ensifer) fredii HH103 Nodulation Outer Protein NopI Is a Determinant for Efficient Nodulation of Soybean and Cowpea Plants. Applied and Environmental Microbiology, 2017, 83, . | 3.1 | 43 |
| 17 | Phytohormones and induction of plant-stress tolerance and defense genes by seed and foliar inoculation with Azospirillum brasilense cells and metabolites promote maize growth. AMB Express, 2017, 7, 153. | 3.0 | 140 |
| 18 | The Rhizobium tropici CIAT 899 NodD2 protein regulates the production of Nod factors under salt stress in a flavonoid-independent manner. Scientific Reports, 2017, 7, 46712. | 3.3 | 30 |

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|---|---|---|---|
| 19 | Genome of Rhizobium leucaenae strains CFN 299T and CPAO 29.8: searching for genes related to a successful symbiotic performance under stressful conditions. BMC Genomics, 2016, 17, 534. | 2.8 | 13 |
| 20 | RNA-seq analysis of the Rhizobium tropici CIAT 899 transcriptome shows similarities in the activation patterns of symbiotic genes in the presence of apigenin and salt. BMC Genomics, 2016, 17, 198. | 2.8 | 42 |
| 21 | NrcR, a New Transcriptional Regulator of Rhizobium tropici CIAT 899 Involved in the Legume Root-Nodule Symbiosis. PLoS ONE, 2016, 11, e0154029. | 2.5 | 17 |
| 22 | The <i>Sinorhizobium</i> (<i>Ensifer</i>) <i>fredii</i> HH103 Type 3 Secretion System Suppresses Early Defense Responses to Effectively Nodulate Soybean. Molecular Plant-Microbe Interactions, 2015, 28, 790-799. | 2.6 | 38 |
| 23 | Opening the â€œblack boxâ€•of nodD3, nodD4 and nodD5 genes of Rhizobium tropici strain CIAT 899. BMC Genomics, 2015, 16, 864. | 2.8 | 37 |
| 24 | NopC Is a Rhizobium-Specific Type 3 Secretion System Effector Secreted by Sinorhizobium (Ensifer) fredii HH103. PLoS ONE, 2015, 10, e0142866. | 2.5 | 54 |
| 25 | Maize growth promotion by inoculation with Azospirillum brasilense and metabolites of Rhizobium tropici enriched on lipo-chitooligosaccharides (LCOs). AMB Express, 2015, 5, 71. | 3.0 | 59 |
| 26 | Regulatory nodD1 and nodD2 genes of Rhizobium tropici strain CIAT 899 and their roles in the early stages of molecular signaling and host-legume nodulation. BMC Genomics, 2015, 16, 251. | 2.8 | 38 |
| 27 | The Symbiotic Biofilm of Sinorhizobium fredii SMH12, Necessary for Successful Colonization and Symbiosis of Glycine max cv Osumi, Is Regulated by Quorum Sensing Systems and Inducing Flavonoids via NodD1. PLoS ONE, 2014, 9, e105901. | 2.5 | 50 |
| 28 | Plant growth promotion in cereal and leguminous agricultural important plants: From microorganism capacities to crop production. Microbiological Research, 2014, 169, 325-336. | 5.3 | 504 |
| 29 | Rice and bean AHL-mimic quorum-sensing signals specifically interfere with the capacity to form biofilms by plant-associated bacteria. Research in Microbiology, 2013, 164, 749-760. | 2.1 | 70 |
| 30 | Changes in flavonoids secreted by Phaseolus vulgaris roots in the presence of salt and the plant growth-promoting rhizobacterium Chryseobacterium balustinum. Applied Soil Ecology, 2012, 57, 31-38. | 4.3 | 43 |
| 31 | Genomic basis of broad host range and environmental adaptability of Rhizobium tropici CIAT 899 and Rhizobium sp. PRF 81 which are used in inoculants for common bean (Phaseolus vulgaris L.). BMC Genomics, 2012, 13, 735. | 2.8 | 118 |
| 32 | Nodulation-gene-inducing flavonoids increase overall production of autoinducers and expression of N-acyl homoserine lactone synthesis genes in rhizobia. Research in Microbiology, 2011, 162, 715-723. | 2.1 | 58 |
| 33 | Effect of the presence of the plant growth promoting rhizobacterium (PGPR) Chryseobacterium balustinum Aur9 and salt stress in the pattern of flavonoids exuded by soybean roots. Plant and Soil, 2010, 328, 483-493. | 3.7 | 129 |
| 34 | The Absence of Nops Secretion in <i>Sinorhizobium fredii</i> HH103 Increases <i>GmPR1</i> Expression in Williams Soybean. Molecular Plant-Microbe Interactions, 2009, 22, 1445-1454. | 2.6 | 65 |
| 35 | Sinorhizobium fredii HH103 cgs Mutants Are Unable to Nodulate Determinate- and Indeterminate Noduleâ€“Forming Legumes and Overproduce an Altered EPS. Molecular Plant-Microbe Interactions, 2009, 22, 575-588. | 2.6 | 34 |
| 36 | Regulation and symbiotic significance of nodulation outer proteins secretion in Sinorhizobium fredii HH103. Microbiology (United Kingdom), 2008, 154, 1825-1836. | 1.8 | 67 |

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|---|---|---|---|
| 37 | NopM and NopD Are Rhizobial Nodulation Outer Proteins: Identification Using LC-MALDI and LC-ESI with a Monolithic Capillary Column. Journal of Proteome Research, 2007, 6, 1029-1037. | 3.7 | 80 |
| 38 | Sinorhizobium fredii HH103 Mutants Affected in Capsular Polysaccharide (KPS) are Impaired for Nodulation with Soybean and Cajanus cajan. Molecular Plant-Microbe Interactions, 2006, 19, 43-52. | 2.6 | 61 |
| 39 | Inactivation of the Sinorhizobium fredii HH103 rhcJ gene abolishes nodulation outer proteins (Nops) secretion and decreases the symbiotic capacity with soybean. International Microbiology, 2006, 9, 125-33. | 2.4 | 52 |
| 40 | The effect of FITA mutations on the symbiotic properties of Sinorhizobium fredii varies in a chromosomal-background-dependent manner. Archives of Microbiology, 2004, 181, 144-154. | 2.2 | 35 |
| 41 | NolR Regulates Diverse Symbiotic Signals of Sinorhizobium fredii HH103. Molecular Plant-Microbe Interactions, 2004, 17, 676-685. | 2.6 | 58 |
| 42 | Field assessment and genetic stability of Sinorhizobium fredii strain SMH12 for commercial soybean inoculants. European Journal of Agronomy, 2003, 19, 299-309. | 4.1 | 23 |
| 43 | A Catalogue of Molecular, Physiological and Symbiotic Properties of Soybean-Nodulating Rhizobial Strains from Different Soybean Cropping Areas of China. Systematic and Applied Microbiology, 2003, 26, 453-465. | 2.8 | 21 |
| 44 | Alfalfa nodulation by Sinorhizobium fredii does not require sulfated Nod-factors. Functional Plant Biology, 2003, 30, 1219. | 2.1 | 7 |
| 45 | Sinorhizobium fredii HH103 Has a Truncated nolO Gene Due to a -1 Frameshift Mutation That Is Conserved Among Other Geographically Distant S. fredii Strains. Molecular Plant-Microbe Interactions, 2002, 15, 150-159. | 2.6 | 36 |
| 46 | Soils of the Chinese Hubei Province Show a Very High Diversity of Sinorhizobium fredii Strains. Systematic and Applied Microbiology, 2002, 25, 592-602. | 2.8 | 38 |
| 47 | Effect of pH and soybean cultivars on the quantitative analyses of soybean rhizobia populations. Journal of Biotechnology, 2001, 91, 243-255. | 3.8 | 58 |
| 48 | Determination of the chemical structure of the capsular polysaccharide of strain B33, a fast-growing soya bean-nodulating bacterium isolated from an arid region of China. Biochemical Journal, 2001, 357, 505. | 3.7 | 12 |
| 49 | Determination of the chemical structure of the capsular polysaccharide of strain B33, a fast-growing soya bean-nodulating bacterium isolated from an arid region of China. Biochemical Journal, 2001, 357, 505-511. | 3.7 | 18 |
| 50 | Mutation in GDP-Fucose Synthesis Genes of Sinorhizobium fredii Alters Nod Factors and Significantly Decreases Competitiveness to Nodulate Soybeans. Molecular Plant-Microbe Interactions, 1999, 12, 207-217. | 2.6 | 64 |
| 51 | ISRf1, a transposable insertion sequence from Sinorhizobium fredii. Gene, 1997, 204, 63-69. | 2.2 | 3 |
| 52 | Construction of multipurpose gene cartridges based on a novel synthetic promoter for high-level gene expression in Gram-negative bacteria. Gene, 1994, 144, 17-24. | 2.2 | 30 |
| 53 | Experimental conditions may affect reproducibility of the beta-galactosidase assay. FEMS Microbiology Letters, 1992, 100, 87-90. | 1.8 | 41 |
| 54 | Behaviour of a sym plasmid from Rhizobium 'hedysari' in different Rhizobium species. FEMS Microbiology Letters, 1991, 86, 131-138. | 1.8 | 0 |

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|---|---|---|---|
| 55 | Selection and symbiotic properties ofRhizobium leguminosarum biovarphaseoli strains harboring pRtr5a. Current Microbiology, 1989, 19, 179-181. | 2.2 | 3 |
| 56 | Isolation and Characterization of Plant Growth-Promotion Diazotrophic Endophytic Bacteria Associated to Sugarcane (Saccharum officinarum L.) Grown in ParaÃba, Brazil. Brazilian Archives of Biology and Technology, 0, 65, . | 0.5 | 1 |