# Fabricio Cassan

List of Publications by Year
in descending order



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|---|---|---|---|
| 43 papers | 3,297 citations | 331259<br>21 h-index | 253896<br>43 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 2931 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Gibberellin production by bacteria and its involvement in plant growth promotion and yield increase. Applied Microbiology and Biotechnology, 2004, 65, 497-503. | 1.7 | 415 |
| 2 | Isolation and characterization of endophytic plant growth-promoting (PGPB) or stress homeostasis-regulating (PSHB) bacteria associated to the halophyte Prosopis strombulifera. Applied Microbiology and Biotechnology, 2009, 85, 371-381. | 1.7 | 347 |
| 3 | Azospirillum brasilense Az39 and Bradyrhizobium japonicum E109, inoculated singly or in combination, promote seed germination and early seedling growth in corn (Zea mays L.) and soybean (Glycine max) Tj ETQq1 1 0.784314 rg BT /Overl | 1.7 | 302 |
| 4 | Plant-growth-promoting compounds produced by two agronomically important strains of Azospirillum brasilense, and implications for inoculant formulation. Applied Microbiology and Biotechnology, 2007, 75, 1143-1150. | 1.7 | 271 |
| 5 | Phytohormone production by three strains of Bradyrhizobium japonicum and possible physiological and technological implications. Applied Microbiology and Biotechnology, 2007, 74, 874-880. | 1.7 | 251 |
| 6 | Physiological and Agronomical Aspects of Phytohormone Production by Model Plant-Growth-Promoting Rhizobacteria (PGPR) Belonging to the Genus Azospirillum. Journal of Plant Growth Regulation, 2014, 33, 440-459. | 2.8 | 248 |
| 7 | Azospirillum sp. in current agriculture: From the laboratory to the field. Soil Biology and Biochemistry, 2016, 103, 117-130. | 4.2 | 234 |
| 8 | Cadaverine production by Azospirillum brasilense and its possible role in plant growth promotion and osmotic stress mitigation. European Journal of Soil Biology, 2009, 45, 12-19. | 1.4 | 183 |
| 9 | Everything you must know about Azospirillum and its impact on agriculture and beyond. Biology and Fertility of Soils, 2020, 56, 461-479. | 2.3 | 138 |
| 10 | Azospirillum sp. Promotes Root Hair Development in Tomato Plants through a Mechanism that Involves Ethylene. Journal of Plant Growth Regulation, 2006, 25, 175-185. | 2.8 | 106 |
| 11 | Current opinion and perspectives on the methods for tracking and monitoring plant growthâ€’promoting bacteria. Soil Biology and Biochemistry, 2019, 130, 205-219. | 4.2 | 102 |
| 12 | Azospirillum brasilense and Azospirillum lipoferum Hydrolyze Conjugates of GA20 and Metabolize the Resultant Aglycones to GA1 in Seedlings of Rice Dwarf Mutants. Plant Physiology, 2001, 125, 2053-2058. | 2.3 | 85 |
| 13 | Production of phytohormones by root-associated saprophytic actinomycetes isolated from the actinorhizal plant Ochetophila trinervis. World Journal of Microbiology and Biotechnology, 2011, 27, 2195-2202. | 1.7 | 64 |
| 14 | Genome-based reclassification of Azospirillum brasilense Sp245 as the type strain of Azospirillum baldaniorum sp. nov. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6203-6212. | 0.8 | 58 |
| 15 | Azospirillum spp. metabolize[ 17,17-2H2]gibberellin A20 to[ 17,17-2H2]gibberellin A1 in vivo in dy rice mutant seedlings. Plant and Cell Physiology, 2001, 42, 763-767. | 1.5 | 44 |
| 16 | Regulation of IAA Biosynthesis in Azospirillum brasilense Under Environmental Stress Conditions. Current Microbiology, 2018, 75, 1408-1418. | 1.0 | 42 |
| 17 | Complete Genome Sequence of the Model Rhizosphere Strain Azospirillum brasilense Az39, Successfully Applied in Agriculture. Genome Announcements, 2014, 2, . | 0.8 | 39 |
| 18 | The benefits of foliar inoculation with Azospirillum brasilense in soybean are explained by an auxin signaling model. Symbiosis, 2018, 76, 41-49. | 1.2 | 35 |

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|---|---|---|---|
| 19 | New insights into auxin metabolism in Bradyrhizobium japonicum. Research in Microbiology, 2018, 169, 313-323. | 1.0 | 31 |
| 20 | Improvement of soybean grain nutritional quality under foliar inoculation with Azospirillum brasilense strain Az39. Symbiosis, 2019, 77, 41-47. | 1.2 | 27 |
| 21 | Analysis of the denitrification pathway and greenhouse gases emissions in<i>Bradyrhizobium</i>sp. strains used as biofertilizers in South America. Journal of Applied Microbiology, 2019, 127, 739-749. | 1.4 | 27 |
| 22 | Genome Sequence of Bradyrhizobium japonicum E109, One of the Most Agronomically Used Nitrogen-Fixing Rhizobacteria in Argentina. Genome Announcements, 2015, 3, . | 0.8 | 26 |
| 23 | New insights into indole-3-acetic acid metabolism in<i>Azospirillum brasilense</i>. Journal of Applied Microbiology, 2018, 125, 1774-1785. | 1.4 | 20 |
| 24 | The <scp><i>Azospirillum brasilense</i></scp> type <scp>VI</scp> secretion system promotes cell aggregation, biocontrol protection against phytopathogens and attachment to the microalgae <scp><i>Chlorella sorokiniana</i></scp>. Environmental Microbiology, 2021, 23, 6257-6274. | 1.8 | 20 |
| 25 | A simple method to evaluate the number of bradyrhizobia on soybean seeds and its implication on inoculant quality control. AMB Express, 2011, 1, 21. | 1.4 | 18 |
| 26 | Genotypic Characterization of Azotobacteria Isolated from Argentinean Soils and Plant-Growth-Promoting Traits of Selected Strains with Prospects for Biofertilizer Production. Scientific World Journal, The, 2013, 2013, 1-12. | 0.8 | 18 |
| 27 | Phytohormones and Other Plant Growth Regulators Produced by PGPR: The Genus Azospirillum. , 2015, , 115-138. | | 18 |
| 28 | The importance of denitrification performed by nitrogen-fixing bacteria used as inoculants in South America. Plant and Soil, 2020, 451, 5-24. | 1.8 | 17 |
| 29 | Azospirillum as Biofertilizer for Sustainable Agriculture: Azospirillum brasilense AZ39 as a Model of PGPR and Field Traceability. Sustainability in Plant and Crop Protection, 2019, , 45-70. | 0.2 | 14 |
| 30 | <i>Azospirillum brasilense</i>Az39, a model rhizobacterium with<scp>AHL</scp><i>quorumâ€quenching</i>capacity. Journal of Applied Microbiology, 2019, 126, 1850-1860. | 1.4 | 11 |
| 31 | Production and function of jasmonates in nodulated roots of soybean plants inoculated with Bradyrhizobium japonicum. Archives of Microbiology, 2012, 194, 837-845. | 1.0 | 10 |
| 32 | Basic and Technological Aspects of Phytohormone Production by Microorganisms: Azospirillum sp. as a Model of Plant Growth Promoting Rhizobacteria. , 2011, , 141-182. | | 9 |
| 33 | Molecular and physiological analysis of indole-3-acetic acid degradation in Bradyrhizobium japonicum E109. Research in Microbiology, 2021, 172, 103814. | 1.0 | 9 |
| 34 | Modulation of Maize Rhizosphere Microbiota Composition by Inoculation with Azospirillum argentinense Az39 (Formerly A. brasilense Az39). Journal of Soil Science and Plant Nutrition, 2022, 22, 3553-3567. | 1.7 | 8 |
| 35 | Current Research on Plant-Growth Promoting Rhizobacteria in Latin America: Meeting Report from the 2nd Latin American PGPR Workshop. Journal of Plant Growth Regulation, 2015, 34, 215-219. | 2.8 | 6 |
| 36 | Evaluation of nitrous oxide emission by soybean inoculated with Bradyrhizobium strains commonly used as inoculants in South America. Plant and Soil, 2022, 472, 311-328. | 1.8 | 6 |

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|---|---|---|---|
| 37 | The American Halophyte Prosopis strombulifera, a New Potential Source to Confer Salt Tolerance to Crops. , 2012, , 115-143. | | 5 |
| 38 | Day and blue light modify growth, cell physiology and indoleâ€3â€acetic acid production of Azospirillum brasilense Az39 under planktonic growth conditions. Journal of Applied Microbiology, 2021, 130, 1671-1683. | 1.4 | 5 |
| 39 | Evaluation of growth and motility in non-photosynthetic Azospirillum brasilense exposed to red, blue, and white light. Archives of Microbiology, 2020, 202, 1193-1201. | 1.0 | 4 |
| 40 | What Do We Know About the Publications Related with Azospirillum? A Metadata Analysis. Microbial Ecology, 2021, 81, 278-281. | 1.4 | 4 |
| 41 | Localization and survival of <i>Azospirillum brasilense</i> Az39 in soybean leaves. Letters in Applied Microbiology, 2021, 72, 626-633. | 1.0 | 4 |
| 42 | The Contribution of the Use of Azospirillum sp. in Sustainable Agriculture: Learnings from the Laboratory to the Field. , 2016, , 293-321. | | 2 |
| 43 | The drop plate method as an alternative for Azospirillum spp viable cell enumeration within the consensus protocol of the REDCAI network. Revista Argentina De Microbiologia, 2021, , . | 0.4 | 1 |