# Annamaria Bevivino

List of Publications by Year
in descending order



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|---|---|---|---|
| 58 papers | 2,366 citations | 218677 26 h-index | 214800 47 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 2769 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biodiversity of a Burkholderia cepacia population isolated from the maize rhizosphere at different plant growth stages. Applied and Environmental Microbiology, 1997, 63, 4485-4493. | 3.1 | 259 |
| 2 | Burkholderia cepacia complex species: health hazards and biotechnological potential. Trends in Microbiology, 2006, 14, 277-286. | 7.7 | 176 |
| 3 | Soil Type and Maize Cultivar Affect the Genetic Diversity of Maize RootÂ–Associated Burkholderia cepacia Populations. Microbial Ecology, 1999, 38, 273-284. | 2.8 | 131 |
| 4 | Belowground Microbiota and the Health of Tree Crops. Frontiers in Microbiology, 2018, 9, 1006. | 3.5 | 118 |
| 5 | Characterization of a free-living maize-rhizosphere population of Burkholderia cepacia: effect of seed treatment on disease suppression and growth promotion of maize. FEMS Microbiology Ecology, 1998, 27, 225-237. | 2.7 | 117 |
| 6 | Influence of plant development, cultivar and soil type on microbial colonization of maize roots. Applied Soil Ecology, 1998, 8, 11-18. | 4.3 | 98 |
| 7 | Modelling Co-Infection of the Cystic Fibrosis Lung by Pseudomonas aeruginosa and Burkholderia cenocepacia Reveals Influences on Biofilm Formation and Host Response. PLoS ONE, 2012, 7, e52330. | 2.5 | 91 |
| 8 | Soil Bacterial Community Response to Differences in Agricultural Management along with Seasonal Changes in a Mediterranean Region. PLoS ONE, 2014, 9, e105515. | 2.5 | 89 |
| 9 | Burkholderia cepacia Complex Bacteria from Clinical and Environmental Sources in Italy: Genomovar Status and Distribution of Traits Related to Virulence and Transmissibility. Journal of Clinical Microbiology, 2002, 40, 846-851. | 3.9 | 87 |
| 10 | Burkholderia cepacia complex: distribution of genomovars among isolates from the maize rhizosphere in Italy. Environmental Microbiology, 2001, 3, 137-143. | 3.8 | 74 |
| 11 | Inoculation of Burkholderia cepacia, Pseudomonas fluorescens and Enterobacter sp. on Sorghum bicolor: Root colonization and plant growth promotion of dual strain inocula. Soil Biology and Biochemistry, 1998, 30, 81-87. | 8.8 | 70 |
| 12 | Effects of two different application methods of Burkholderia ambifaria MCI 7 on plant growth and rhizospheric bacterial diversity. Environmental Microbiology, 2002, 4, 238-245. | 3.8 | 69 |
| 13 | Perturbation of maize rhizosphere microflora following seed bacterization with Burkholderia cepacia MCI 7. FEMS Microbiology Ecology, 2006, 23, 183-193. | 2.7 | 60 |
| 14 | Epidemiology and Clinical Course of Burkholderia cepacia Complex Infections, Particularly Those Caused by Different Burkholderia cenocepacia Strains, among Patients Attending an Italian Cystic Fibrosis Center. Journal of Clinical Microbiology, 2004, 42, 1491-1497. | 3.9 | 59 |
| 15 | Changes in Cystic Fibrosis Airway Microbial Community Associated with a Severe Decline in Lung Function. PLoS ONE, 2015, 10, e0124348. | 2.5 | 59 |
| 16 | Efficacy of Burkholderia cepacia MCI 7 in disease suppression and growth promotion of maize. Biology and Fertility of Soils, 2000, 31, 225-231. | 4.3 | 54 |
| 17 | Deciphering the Ecology of Cystic Fibrosis Bacterial Communities: Towards Systems-Level Integration. Trends in Molecular Medicine, 2019, 25, 1110-1122. | 6.7 | 47 |
| 18 | Exopolysaccharides produced by Burkholderia cenocepacia recA lineages IIIA and IIIB. Journal of Cystic Fibrosis, 2004, 3, 165-172. | 0.7 | 46 |

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|---|---|---|---|
| 19 | A Different Microbiome Gene Repertoire in the Airways of Cystic Fibrosis Patients with Severe Lung Disease. International Journal of Molecular Sciences, 2017, 18, 1654. | 4.1 | 39 |
| 20 | Identification of Beneficial Microbial Consortia and Bioactive Compounds with Potential as Plant Biostimulants for a Sustainable Agriculture. Microorganisms, 2021, 9, 426. | 3.6 | 37 |
| 21 | InvestigatingBurkholderia cepaciacomplex populations recovered from Italian maize rhizosphere by multilocus sequence typing. Environmental Microbiology, 2007, 9, 1632-1639. | 3.8 | 35 |
| 22 | Molecular characterization of rhizosphere and clinical isolates of Burkholderia cepacia. Research in Microbiology, 1995, 146, 531-542. | 2.1 | 32 |
| 23 | RecAgene sequence and Multilocus Sequence Typing for species-level resolution ofBurkholderia cepaciacomplex isolates. Letters in Applied Microbiology, 2009, 49, 580-588. | 2.2 | 32 |
| 24 | Burkholderia cenocepacia strains isolated from cystic fibrosis patients are apparently more invasive and more virulent than rhizosphere strains. Environmental Microbiology, 2008, 10, 2773-2784. | 3.8 | 30 |
| 25 | Pyrosequencing Unveils Cystic Fibrosis Lung Microbiome Differences Associated with a Severe Lung Function Decline. PLoS ONE, 2016, 11, e0156807. | 2.5 | 29 |
| 26 | Detection of cultured and uncultured Burkholderia cepacia complex bacteria naturally occurring in the maize rhizosphere. Environmental Microbiology, 2005, 7, 1734-1742. | 3.8 | 28 |
| 27 | Effect of Fusarium verticillioides on maize-root-associated Burkholderia cenocepacia populations. Research in Microbiology, 2005, 156, 974-983. | 2.1 | 28 |
| 28 | How to Process Sputum Samples and Extract Bacterial DNA for Microbiota Analysis. International Journal of Molecular Sciences, 2018, 19, 3256. | 4.1 | 28 |
| 29 | The Impact of Soil-Applied Biochars From Different Vegetal Feedstocks on Durum Wheat Plant Performance and Rhizospheric Bacterial Microbiota in Low Metal-Contaminated Soil. Frontiers in Microbiology, 2019, 10, 2694. | 3.5 | 27 |
| 30 | A rhizospheric Burkholderia cepacia complex population: genotypic and phenotypic diversity of Burkholderia cenocepacia and Burkholderia ambifaria. FEMS Microbiology Ecology, 2003, 46, 179-187. | 2.7 | 24 |
| 31 | Metabolic Profiling of Burkholderia cenocepacia, Burkholderia ambifaria, and Burkholderia pyrrocinia Isolates from Maize Rhizosphere. Microbial Ecology, 2005, 50, 385-395. | 2.8 | 24 |
| 32 | Efficacy of species-specificrecAPCR tests in the identification ofBurkholderia cepaciacomplex environmental isolates. FEMS Microbiology Letters, 2005, 246, 39-45. | 1.8 | 24 |
| 33 | Untargeted Metagenomic Investigation of the Airway Microbiome of Cystic Fibrosis Patients with Moderate-Severe Lung Disease. Microorganisms, 2020, 8, 1003. | 3.6 | 23 |
| 34 | Use of the gyrB gene to discriminate among species of the Burkholderia cepacia complex. FEMS Microbiology Letters, 2008, 281, 175-182. | 1.8 | 20 |
| 35 | Different portions of the maize root system host Burkholderia cepacia populations with different degrees of genetic polymorphism. Environmental Microbiology, 2000, 2, 111-118. | 3.8 | 19 |
| 36 | Organic matter quality of forest floor as a driver of C and P dynamics in acacia and eucalypt plantations established on a Ferralic Arenosols, Congo. Forest Ecosystems, 2020, 7, . | 3.1 | 19 |

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| 37 | Vertical distribution of bacterioplankton in Lake Averno in relation to water chemistry. FEMS Microbiology Ecology, 2013, 84, 176-188. | 2.7 | 14 |
| 38 | Interaction of environmental Burkholderia cenocepacia strains with cystic fibrosis and non-cystic fibrosis bronchial epithelial cells in vitro. Microbiology (United Kingdom), 2012, 158, 1325-1333. | 1.8 | 13 |
| 39 | Influence of Acacia mangium on Soil Fertility and Bacterial Community in Eucalyptus Plantations in the Congolese Coastal Plains. Sustainability, 2020, 12, 8763. | 3.2 | 13 |
| 40 | Soil organic matter quality along rotations in acacia and eucalypt plantations in the Congolese coastal plains. Forest Ecosystems, 2019, 6, . | 3.1 | 13 |
| 41 | Application of multiplex single nucleotide primer extension (mSNuPE) to the identification of bacteria: The Burkholderia cepacia complex case. Journal of Microbiological Methods, 2010, 80, 251-256. | 1.6 | 12 |
| 42 | Bacterial community and proteome analysis of fresh-cut lettuce as affected by packaging. FEMS Microbiology Letters, 2016, 363, fnv209. | 1.8 | 10 |
| 43 | Characterization of a free-living maize-rhizosphere population of Burkholderia cepacia: effect of seed treatment on disease suppression and growth promotion of maize. FEMS Microbiology Ecology, 1998, 27, 225-237. | 2.7 | 10 |
| 44 | Environmental Burkholderia cenocepacia Strain Enhances Fitness by Serial Passages during Long-Term Chronic Airways Infection in Mice. International Journal of Molecular Sciences, 2017, 18, 2417. | 4.1 | 9 |
| 45 | Effects of Multi-Species Microbial Inoculants on Early Wheat Growth and Litterbag Microbial Activity. Agronomy, 2022, 12, 899. | 3.0 | 9 |
| 46 | Impact of Agricultural Land Management on Soil Bacterial Community: A Case Study in the Mediterranean Area. , 2017, , 77-95. | | 7 |
| 47 | Perturbation of maize rhizosphere microflora following seed bacterization with Burkholderia cepacia MCI 7. FEMS Microbiology Ecology, 1997, 23, 183-193. | 2.7 | 7 |
| 48 | Lung and Gut Microbiota Changes Associated with Pseudomonas aeruginosa Infection in Mouse Models of Cystic Fibrosis. International Journal of Molecular Sciences, 2021, 22, 12169. | 4.1 | 7 |
| 49 | Omics approaches on freshâ€cut lettuce reveal global molecular responses to sodium hypochlorite and peracetic acid treatment. Journal of the Science of Food and Agriculture, 2018, 98, 737-750. | 3.5 | 6 |
| 50 | Does the Introduction of N2-Fixing Trees in Forest Plantations on Tropical Soils Ameliorate Low Fertility and Enhance Carbon Sequestration via Interactions Between Biota and Nutrient Availability? Case Studies From Central Africa and South America. Frontiers in Soil Science, 2021, 1, . | 2.2 | 6 |
| 51 | Designing a Waste-Based Culture Medium for the Production of Plant Growth Promoting Microorganisms Based on Cladodes Juice from Opuntia ficus-indica Pruning. Fermentation, 2022, 8, 225. | 3.0 | 6 |
| 52 | Genetic relationships among Italian and Mexican maize-rhizosphere Burkholderia cepacia complex (BCC) populations belonging to Burkholderia cenocepacia IIIB and BCC6 group. BMC Microbiology, 2011, 11, 228. | 3.3 | 5 |
| 53 | Phenotyping of Different Italian Durum Wheat Varieties in Early Growth Stage With the Addition of Pure or Digestate-Activated Biochars. Frontiers in Plant Science, 2021, 12, 782072. | 3.6 | 4 |
| 54 | Synergistic Action of Mild Heat and Essential Oil Treatments on Culturability and Viability of Escherichia coli ATCC 25922 Tested In Vitro and in Fruit Juice. Foods, 2022, 11, 1615. | 4.3 | 4 |

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| 55 | Development of a predictive model of the microbial inactivation of L. monocytogenes during low thermal treatment of fruit juices in combination with carvacrol as aroma compound. Current Research in Food Science, 2022, 5, 374-381. | 5.8 | 3 |
| 56 | Impact of clonally-related Burkholderia contaminans strains in two patients attending an Italian cystic fibrosis centre: a case report. BMC Pulmonary Medicine, 2019, 19, 164. | 2.0 | 2 |
| 57 | Analysis of a Pool of Small Plasmids from Soil Heterotrophic Cultivable Bacterial Communities. Open Microbiology Journal, 2015, 9, 98-109. | 0.7 | 1 |
| 58 | The Best Approach for Early Detection of Fungi in Tomato Sauce. Lecture Notes in Electrical Engineering, 2020, , 239-246. | 0.4 | 0 |