Silvia Tabacchioni

List of Publications by Year
in descending order

40 papers	1,953 citations	257357 24 h-index	315616 38 g-index
41 all docs	41 docs citations	41 times ranked	2284 citing authors

#	Article	IF	Citations
1	Ecology and biotechnological potential of Paenibacillus polymyxa: a minireview. Indian Journal of Microbiology, 2009, 49, 2-10.	1.5	211
2	Burkholderia cepacia complex species: health hazards and biotechnological potential. Trends in Microbiology, 2006, 14, 277-286.	3.5	176
3	Soil Type and Maize Cultivar Affect the Genetic Diversity of Maize RootÂ–Associated Burkholderia cepacia Populations. Microbial Ecology, 1999, 38, 273-284.	1.4	131
4	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.	1.3	117
5	Sustainable power production in a membrane-less and mediator-less synthetic wastewater microbial fuel cell. Bioresource Technology, 2009, 100, 3252-3260.	4.8	106
6	Influence of plant development, cultivar and soil type on microbial colonization of maize roots. Applied Soil Ecology, 1998, 8, 11-18.	2.1	98
7	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.	1.8	87
8	Burkholderia cepacia complex: distribution of genomovars among isolates from the maize rhizosphere in Italy. Environmental Microbiology, 2001, 3, 137-143.	1.8	74
9	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.	4.2	70
10	Bias Caused by Using Different Isolation Media for Assessing the Genetic Diversity of a Natural Microbial Population. Microbial Ecology, 2000, 40, 169-176.	1.4	69
11	Effects of two different application methods of Burkholderia ambifaria MCI 7 on plant growth and rhizospheric bacterial diversity. Environmental Microbiology, 2002, 4, 238-245.	1.8	69
12	Influence of growth supplements on lactic acid production in whey ultrafiltrate by Lactobacillus helveticus. Applied Microbiology and Biotechnology, 1992, 36, 461.	1.7	65
13	Perturbation of maize rhizosphere microflora following seed bacterization with Burkholderia cepacia MCI 7. FEMS Microbiology Ecology, 2006, 23, 183-193.	1.3	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.	1.8	59
15	Efficacy of Burkholderia cepacia MCI 7 in disease suppression and growth promotion of maize. Biology and Fertility of Soils, 2000, 31, 225-231.	2.3	54
16	Exopolysaccharides produced by Burkholderia cenocepacia recA lineages IIIA and IIIB. Journal of Cystic Fibrosis, 2004, 3, 165-172.	0.3	46
17	Towards the development of a biobased economy in Europe and India. Critical Reviews in Biotechnology, 2019, 39, 779-799.	5.1	46
18	Identification of Beneficial Microbial Consortia and Bioactive Compounds with Potential as Plant Biostimulants for a Sustainable Agriculture. Microorganisms, 2021, 9, 426.	1.6	37

#	Article	IF	Citations
19	InvestigatingBurkholderia cepaciacomplex populations recovered from Italian maize rhizosphere by multilocus sequence typing. Environmental Microbiology, 2007, 9, 1632-1639.	1.8	35
20	Molecular characterization of rhizosphere and clinical isolates of Burkholderia cepacia. Research in Microbiology, 1995, 146, 531-542.	1.0	32
21	RecAgene sequence and Multilocus Sequence Typing for species-level resolution ofBurkholderia cepaciacomplex isolates. Letters in Applied Microbiology, 2009, 49, 580-588.	1.0	32
22	Detection of cultured and uncultured Burkholderia cepacia complex bacteria naturally occurring in the maize rhizosphere. Environmental Microbiology, 2005, 7, 1734-1742.	1.8	28
23	Effect of Fusarium verticillioides on maize-root-associated Burkholderia cenocepacia populations. Research in Microbiology, 2005, 156, 974-983.	1.0	28
24	A rhizospheric Burkholderia cepacia complex population: genotypic and phenotypic diversity of Burkholderia cenocepacia and Burkholderia ambifaria. FEMS Microbiology Ecology, 2003, 46, 179-187.	1.3	24
25	Metabolic Profiling of Burkholderia cenocepacia, Burkholderia ambifaria, and Burkholderia pyrrocinia Isolates from Maize Rhizosphere. Microbial Ecology, 2005, 50, 385-395.	1.4	24
26	Efficacy of species-specificrecAPCR tests in the identification ofBurkholderia cepaciacomplex environmental isolates. FEMS Microbiology Letters, 2005, 246, 39-45.	0.7	24
27	Use of the gyrB gene to discriminate among species of the Burkholderia cepacia complex. FEMS Microbiology Letters, 2008, 281, 175-182.	0.7	20
28	Different portions of the maize root system host Burkholderia cepacia populations with different degrees of genetic polymorphism. Environmental Microbiology, 2000, 2, 111-118.	1.8	19
29	Anaerobic digestion of the above ground biomass of Jerusalem Artichoke in a pilot plant: Impact of the preservation method on the biogas yield and microbial community. Biomass and Bioenergy, 2018, 108, 190-197.	2.9	17
30	Vertical distribution of bacterioplankton in Lake Averno in relation to water chemistry. FEMS Microbiology Ecology, 2013, 84, 176-188.	1.3	14
31	Influence of Acacia mangium on Soil Fertility and Bacterial Community in Eucalyptus Plantations in the Congolese Coastal Plains. Sustainability, 2020, 12, 8763.	1.6	13
32	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.	0.7	12
33	The Paenibacillus polymyxa species is abundant among hydrogen-producing facultative anaerobic bacteria in Lake Averno sediment. Archives of Microbiology, 2012, 194, 345-351.	1.0	10
34	Dynamics of hydrogen-producing bacteria in a repeated batch fermentation process using lake sediment as inoculum. Archives of Microbiology, 2014, 196, 97-107.	1.0	8
35	Perturbation of maize rhizosphere microflora following seed bacterization with Burkholderia cepacia MCI 7. FEMS Microbiology Ecology, 1997, 23, 183-193.	1.3	7
36	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, .	0.8	6

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37	Pathogenicity and biotechnological applications of the genus Burkholderia. Open Life Sciences, 2011, 6, 997-1005.	0.6	5
38	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.	1.3	5
39	New Insights in Plant-Associated Paenibacillus Species: Biocontrol and Plant Growth-Promoting Activity. , 2016, , 237-279.		5
40	Bio-Methane Production from Wastes: Focus on Feedstock Sources and Microbial Communities. , 2015, , 333-353.		0