

Isabella Gandolfi

List of Publications by Year in descending order

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35
papers

2,833
citations

257450

24
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

3841
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial biosurfactants production, applications and future potential. Applied Microbiology and Biotechnology, 2010, 87, 427-444.	3.6	1,193
2	Production and applications of trehalose lipid biosurfactants. European Journal of Lipid Science and Technology, 2010, 112, 617-627.	1.5	218
3	Temporal variability and effect of environmental variables on airborne bacterial communities in an urban area of Northern Italy. Applied Microbiology and Biotechnology, 2013, 97, 6561-6570.	3.6	165
4	Unravelling the bacterial diversity in the atmosphere. Applied Microbiology and Biotechnology, 2013, 97, 4727-4736.	3.6	138
5	Seasonal variability of bacteria in fine and coarse urban air particulate matter. Applied Microbiology and Biotechnology, 2011, 90, 745-753.	3.6	115
6	Influence of compost amendment on microbial community and ecotoxicity of hydrocarbon-contaminated soils. Bioresource Technology, 2010, 101, 568-575.	9.6	81
7	Influence of seasonality, air mass origin and particulate matter chemical composition on airborne bacterial community structure in the Po Valley, Italy. Science of the Total Environment, 2017, 593-594, 677-687.	8.0	81
8	Bacterial community structure on two alpine debris-covered glaciers and biogeography of <i>Polaromonas</i> phylotypes. ISME Journal, 2013, 7, 1483-1492.	9.8	63
9	Environmental fate, toxicity, characteristics and potential applications of novel bioemulsifiers produced by <i>Variovorax paradoxus</i> 7bCT5. Bioresource Technology, 2012, 108, 245-251.	9.6	59
10	Anodic and cathodic microbial communities in single chamber microbial fuel cells. New Biotechnology, 2015, 32, 79-84.	4.4	59
11	Bacterial DGGE fingerprints of biofilms on electrodes of membraneless microbial fuel cells. International Biodeterioration and Biodegradation, 2013, 84, 211-219.	3.9	55
12	Effect of preservation method on the assessment of bacterial community structure in soil and water samples. FEMS Microbiology Letters, 2014, 356, 32-38.	1.8	50
13	Light-dependent microbial metabolisms drive carbon fluxes on glacier surfaces. ISME Journal, 2016, 10, 2984-2988.	9.8	47
14	Bacterial communities of cryoconite holes of a temperate alpine glacier show both seasonal trends and year-to-year variability. Annals of Glaciology, 2018, 59, 1-9.	1.4	41
15	Potential sources of bacteria colonizing the cryoconite of an Alpine glacier. PLoS ONE, 2017, 12, e0174786.	2.5	41
16	Hydrocarbon degrading microbial communities in bench scale aerobic biobarriers for gasoline contaminated groundwater treatment. Chemosphere, 2015, 130, 34-39.	8.2	38
17	Airborne bacteria and persistent organic pollutants associated with an intense Saharan dust event in the Central Mediterranean. Science of the Total Environment, 2018, 645, 401-410.	8.0	38
18	Response of methanotrophic activity and community structure to temperature changes in a diffusive CH ₄ /O ₂ counter gradient in an unsaturated porous medium. FEMS Microbiology Ecology, 2009, 69, 202-212.	2.7	35

#	ARTICLE	IF	CITATIONS
19	Shift in microbial community structure of anaerobic side-stream reactor in response to changes to anaerobic solid retention time and sludge interchange ratio. <i>Bioresource Technology</i> , 2016, 221, 588-597.	9.6	35
20	Diversity and hydrocarbon-degrading potential of epiphytic microbial communities on <i>Platanus x acerifolia</i> leaves in an urban area. <i>Environmental Pollution</i> , 2017, 220, 650-658.	7.5	35
21	Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier. <i>Environmental Pollution</i> , 2017, 230, 919-926.	7.5	29
22	Plant-microorganisms interaction promotes removal of air pollutants in Milan (Italy) urban area. <i>Journal of Hazardous Materials</i> , 2020, 384, 121021.	12.4	29
23	Biosurfactant Use in Heavy Metal Removal from Industrial Effluents and Contaminated Sites. , 2014, , 361-370.		28
24	Diversity and Assembling Processes of Bacterial Communities in Cryoconite Holes of a Karakoram Glacier. <i>Microbial Ecology</i> , 2017, 73, 827-837.	2.8	28
25	Persistence and degrading activity of free and immobilised allochthonous bacteria during bioremediation of hydrocarbon-contaminated soils. <i>Biodegradation</i> , 2013, 24, 1-11.	3.0	27
26	Cloacal microbiomes and ecology of individual barn swallows. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	25
27	Temporal variability of bacterial communities in cryoconite on an alpine glacier. <i>Environmental Microbiology Reports</i> , 2017, 9, 71-78.	2.4	21
28	Characterization of long-range transported bioaerosols in the Central Mediterranean. <i>Science of the Total Environment</i> , 2021, 763, 143010.	8.0	17
29	Phylogenetic characterization of bioemulsifier-producing bacteria. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1095-1099.	3.9	14
30	Post-Depositional Biodegradation Processes of Pollutants on Glacier Surfaces. <i>Condensed Matter</i> , 2018, 3, 24.	1.8	11
31	Cloacal microbiota of barn swallows from Northern Italy. <i>Ethology Ecology and Evolution</i> , 2018, 30, 362-372.	1.4	7
32	Ecological features of feather microbiota in breeding common swifts. <i>Ethology Ecology and Evolution</i> , 2018, 30, 569-581.	1.4	5
33	Fungal communities in European alpine soils are not affected by short-term <i>in situ</i> simulated warming than bacterial communities. <i>Environmental Microbiology</i> , 0, , .	3.8	3
34	Biodegradation of N,N diethylaniline in a contaminated aquifer: laboratory- and field-scale evidences. <i>Biodegradation</i> , 2010, 21, 193-201.	3.0	1
35	Integrated biological and chemical characterisation of a pair of leonardesque canal lock gates. <i>PLoS ONE</i> , 2021, 16, e0247478.	2.5	1