Andrea Franzetti

List of Publications by Year
in descending order

114	5,409	94433 37	88630 70
papers	citations	h-index	g-index

122	122	122	6408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cryoconite â€“ From minerals and organic matter to bioengineered sediments on glacier's surfaces. Science of the Total Environment, 2022, 807, 150874.	8.0	29
2	Is Oxygenation Related to the Decomposition of Organic Matter in Cryoconite Holes?. Ecosystems, 2022, 25, 1510-1521.	3.4	4
3	Trophic and symbiotic links between obligate-glacier water bears (Tardigrada) and cryoconite microorganisms. PLoS ONE, 2022, 17, e0262039.	2.5	17
4	Bacterial Succession and Community Dynamics of the Emerging Leaf Phyllosphere in Spring. Microbiology Spectrum, 2022, 10, e0242021.	3.0	3
5	Evaluation of Pre-Analytical and Analytical Methods for Detecting SARS-CoV-2 in Municipal Wastewater Samples in Northern Italy. Water (Switzerland), 2022, 14, 833.	2.7	8
6	Characterization of the microbial community in ripened Pecorino Toscano cheese affected by pink discoloration. Food Microbiology, 2022, 104, 104006.	4.2	6
7	Enhanced Exoelectrogenic Activity of Cupriavidus metallidurans in Bioelectrochemical Systems through the Expression of a Constitutively Active Diguanylate Cyclase. Environments - MDPI, 2022, 9, 80.	3.3	1
8	Insights into rhamnolipid-based soil remediation technologies by safe microorganisms: A critical review. Journal of Cleaner Production, 2022, 367, 133088.	9.3	17
9	Characterization of long-range transported bioaerosols in the Central Mediterranean. Science of the Total Environment, 2021, 763, 143010.	8.0	17
10	Topsoil organic matter buildâ€up in glacier forelands around the world. Global Change Biology, 2021, 27, 1662-1677.	9.5	41
11	Potentials of Winery and Olive Oil Residues for the Production of Rhamnolipids and Other Biosurfactants: A Step Towards Achieving a Circular Economy Model. Waste and Biomass Valorization, 2021, 12, 4733-4743.	3.4	24
12	Isolation and characterization of a novel rhamnolipid producer Pseudomonas sp. LGMS7 from a highly contaminated site in Ain El Arbaa region of Ain Temouchent, Algeria. 3 Biotech, 2021, 11, 200.	2.2	3
13	Spatio-Temporal Variation of the Bacterial Communities along a Salinity Gradient within a Thalassohaline Environment (Saline di Tarquinia Salterns, Italy). Molecules, 2021, 26, 1338.	3.8	12
14	Integrated biological and chemical characterisation of a pair of leonardesque canal lock gates. PLoS ONE, 2021, 16, e0247478.	2.5	1
15	Burkholderia thailandensis E264 as a promising safe rhamnolipidsâ€™ producer towards a sustainable valorization of grape marcs and olive mill pomace. Applied Microbiology and Biotechnology, 2021, 105, 3825-3842.	3.6	13
16	Recent trends and advances in microbial electrochemical sensing technologies: An overview. Current Opinion in Electrochemistry, 2021, 30, 100762.	4.8	31
17	Persistence of Enterobacteriaceae Drawn into a Marine Saltern (Saline di Tarquinia, Italy) from the Adjacent Coastal Zone. Water (Switzerland), 2021, 13, 1443.	2.7	15
18	The Retreat of Mountain Glaciers since the Little Ice Age: A Spatially Explicit Database. Data, 2021, 6, 107.	2.3	13

#	Article	IF	Citations
19	Plant-microorganisms interaction promotes removal of air pollutants in Milan (Italy) urban area. Journal of Hazardous Materials, 2020, 384, 121021.	12.4	29
20	Effects of locality and stone surface structure on the distribution of Collembola inhabiting a novel habitat â€“ the stone-ice border on an alpine glacier. Acta Oecologica, 2020, 108, 103629.	1.1	6
21	Vibrio communities along a salinity gradient within a marine saltern hypersaline environment (Saline di Tarquinia, Italy). Environmental Microbiology, 2020, 22, 4356-4366.	3.8	14
22	Glacier algae foster ice-albedo feedback in the European Alps. Scientific Reports, 2020, 10, 4739.	3.3	46
23	Microbial Assisted Hexavalent Chromium Removal in Bioelectrochemical Systems. Water (Switzerland), 2020, 12, 466.	2.7	17
24	Every fifth published metagenome is not available to science. PLoS Biology, 2020, 18, e3000698.	5.6	18
25	Cryoconite: an efficient accumulator of radioactive fallout in glacial environments. Cryosphere, 2020, 14, 657-672.	3.9	32
26	Structure and Functions of Hydrocarbon-Degrading Microbial Communities in Bioelectrochemical Systems. Water (Switzerland), 2020, 12, 343.	2.7	16
27	Bio-electrochemical Remediation of Petroleum Hydrocarbons. , 2020, , 269-285.		2
28	Bioelectrochemical Processes for the Treatment of Oil-Contaminated Water and Sediments. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 373-394.	0.5	2
29	First evidence of microplastic contamination in the supraglacial debris of an alpine glacier. Environmental Pollution, 2019, 253, 297-301.	7.5	230
30	Bioelectrochemical treatment of groundwater containing BTEX in a continuous-flow system: Substrate interactions, microbial community analysis, and impact of sulfate as a co-contaminant. New Biotechnology, 2019, 53, 41-48.	4.4	24
31	Effects of Olive and Pomegranate By-Products on Human Microbiota: A Study Using the SHIMEÂ® in Vitro Simulator. Molecules, 2019, 24, 3791.	3.8	22
32	Water bears dominated cryoconite hole ecosystems: densities, habitat preferences and physiological adaptations of Tardigrada on an alpine glacier. Aquatic Ecology, 2019, 53, 543-556.	1.5	25
33	Cloacal microbiomes and ecology of individual barn swallows. FEMS Microbiology Ecology, 2019, 95, .	2.7	25
34	Fine-scale spatial heterogeneity of invertebrates within cryoconite holes. Aquatic Ecology, 2019, 53, 179-190.	1.5	11
35	Progress Towards Bioelectrochemical Remediation of Hexavalent Chromium. Water (Switzerland), 2019, 11, 2336.	2.7	15
36	Microbial desulfurization of ground tire rubber (GTR): Characterization of microbial communities and rheological and mechanical properties of GTR and natural rubber composites (GTR/NR). Polymer Degradation and Stability, 2019, 160, 102-109.	5.8	25

#	Article	IF	Citations
37	A non-toxic microbial surfactant from Marinobacter hydrocarbonoclasticus SdK644 for crude oil solubilization enhancement. Ecotoxicology and Environmental Safety, 2018, 154, 100-107.	6.0	43
38	37Cl-compound specific isotope analysis and assessment of functional genes for monitoring monochlorobenzene (MCB) biodegradation under aerobic conditions. Science of the Total Environment, 2018, 619-620, 784-793.	8.0	11
39	In situ downstream strategies for costâ€effective bio/surfactant recovery. Biotechnology and Applied Biochemistry, 2018, 65, 523-532.	3.1	58
40	The bioelectric well: a novel approach for inÂsitu treatment of hydrocarbonâ€contaminated groundwater. Microbial Biotechnology, 2018, 11, 112-118.	4.2	48
41	Cloacal microbiota of barn swallows from Northern Italy. Ethology Ecology and Evolution, 2018, 30, 362-372.	1.4	7
42	Anaerobic electrogenic oxidation of toluene in a continuous-flow bioelectrochemical reactor: process performance, microbial community analysis, and biodegradation pathways. Environmental Science: Water Research and Technology, 2018, 4, 2136-2145.	2.4	18
43	Bacterial diversity in snow from mid-latitude mountain areas: Alps, Eastern Anatolia, Karakoram and Himalaya. Annals of Glaciology, 2018, 59, 10-20.	1.4	16
44	Post-Depositional Biodegradation Processes of Pollutants on Glacier Surfaces. Condensed Matter, 2018, 3, 24.	1.8	11
45	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
46	Toluene degradation by Cupriavidus metallidurans CH34 in nitrate-reducing conditions and in Bioelectrochemical Systems. FEMS Microbiology Letters, 2018, 365, .	1.8	14
47	Ecological features of feather microbiota in breeding common swifts. Ethology Ecology and Evolution, 2018, 30, 569-581.	1.4	5
48	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
49	Anode potential selection for sulfide removal in contaminated marine sediments. Journal of Hazardous Materials, 2018, 360, 498-503.	12.4	8
50	Bioelectrochemical BTEX removal at different voltages: assessment of the degradation and characterization of the microbial communities. Journal of Hazardous Materials, 2018, 341, 120-127.	12.4	47
51	Investigation of Physicho-chemical Properties and Characterization of Produced Biosurfactant by Selected Indigenous Oil-degrading Bacterium. Iranian Journal of Public Health, 2018, 47, 1151-1159.	0.5	4
52	Monod Kinetics Degradation of Low Concentration Residual Organics in Membraneless Microbial Fuel Cells. Journal of the Electrochemical Society, 2017, 164, H3091-H3096.	2.9	11
53	Electrobioremediation of oil spills. Water Research, 2017, 114, 351-370.	11.3	119
54	Temporal variability of bacterial communities in cryoconite on an alpine glacier. Environmental Microbiology Reports, 2017, 9, 71-78.	2.4	21

#	Article	IF	Citations
55	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
56	Diversity and Assembling Processes of Bacterial Communities in Cryoconite Holes of a Karakoram Glacier. Microbial Ecology, 2017, 73, 827-837.	2.8	28
57	Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier. Environmental Pollution, 2017, 230, 919-926.	7.5	29
58	Diversity and hydrocarbon-degrading potential of epiphytic microbial communities on Platanus x acerifolia leaves in an urban area. Environmental Pollution, 2017, 220, 650-658.	7.5	35
59	Investigation of different configurations of microbial fuel cells for the treatment of oilfield produced water. Applied Energy, 2017, 192, 457-465.	10.1	67
60	Potential sources of bacteria colonizing the cryoconite of an Alpine glacier. PLoS ONE, 2017, 12, e0174786.	2.5	41
61	The Interaction between Plants and Bacteria in the Remediation of Petroleum Hydrocarbons: An Environmental Perspective. Frontiers in Microbiology, 2016, 7, 1836.	3.5	176
62	So close, so different: geothermal flux shapes divergent soil microbial communities at neighbouring sites. Geobiology, 2016, 14, 150-162.	2.4	30
63	Biological devulcanization of ground natural rubber by Gordonia desulfuricans DSM 44462T strain. Applied Microbiology and Biotechnology, 2016, 100, 8931-8942.	3.6	30
64	Light-dependent microbial metabolisms drive carbon fluxes on glacier surfaces. ISME Journal, 2016, 10, 2984-2988.	9.8	47
65	Shift in microbial community structure of anaerobic side-stream reactor in response to changes to anaerobic solid retention time and sludge interchange ratio. Bioresource Technology, 2016, 221, 588-597.	9.6	35
66	Anodes Stimulate Anaerobic Toluene Degradation via Sulfur Cycling in Marine Sediments. Applied and Environmental Microbiology, 2016, 82, 297-307.	3.1	74
67	Reconstructing ecosystem functions of the active microbial community of the Baltic Sea oxygen depleted sediments. PeerJ, 2016, 4, e1593.	2.0	25
68	Characterization of the Skin Microbiota in Italian Stream Frogs (<i>Rana italica</i>) Infected and Uninfected by a Cutaneous Parasitic Disease. Microbes and Environments, 2015, 30, 262-269.	1.6	38
69	Draft Genome Sequence of Acinetobacter oleivorans PF1, a Diesel-Degrading and Plant-Growth-Promoting Endophytic Strain Isolated from Poplar Trees Growing on a Diesel-Contaminated Plume. Genome Announcements, 2015, 3, .	0.8	7
70	Draft Genome Sequence of Acinetobacter calcoaceticus Strain GK1, a Hydrocarbon-Degrading Plant Growth-Promoting Rhizospheric Bacterium. Genome Announcements, 2015, 3, .	0.8	1
71	Draft Genome Sequence of Arthrobacter sp. Strain SPG23, a Hydrocarbon-Degrading and Plant Growth-Promoting Soil Bacterium. Genome Announcements, 2015, 3, .	0.8	12
72	Lab-scale tests and numerical simulations for in situ treatment of polluted groundwater. Journal of Hazardous Materials, 2015, 287, 162-170.	12.4	31

#	Article	IF	Citations
73	Spatio-temporal variability of airborne bacterial communities and their correlation with particulate matter chemical composition across two urban areas. Applied Microbiology and Biotechnology, 2015, 99, 4867-4877.	3.6	88
74	Hydrocarbon degrading microbial communities in bench scale aerobic biobarriers for gasoline contaminated groundwater treatment. Chemosphere, 2015, 130, 34-39.	8.2	38
75	Application of a 1,1,3,3-tetramethylguanidine (TMG)/MeOH-CO2 in situ derivatization procedure for the gas chromatographic characterization of the fatty acid profile in olive oil. Analytical and Bioanalytical Chemistry, 2015, 407, 1801-1806.	3.7	7
76	Mechanical and rheological properties of natural rubber compounds containing devulcanized ground tire rubber from several methods. Polymer Degradation and Stability, 2015, 121, 369-377.	5.8	40
77	Nematodes and rotifers on two Alpine debris-covered glaciers. Italian Journal of Zoology, 2015, 82, 616-623.	0.6	18
78	Anodic and cathodic microbial communities in single chamber microbial fuel cells. New Biotechnology, 2015, 32, 79-84.	4.4	59
79	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
80	Biosurfactant Use in Heavy Metal Removal from Industrial Effluents and Contaminated Sites. , 2014, , 361-370.		28
81	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
82	Unravelling the bacterial diversity in the atmosphere. Applied Microbiology and Biotechnology, 2013, 97, 4727-4736.	3.6	138
83	Persistence and degrading activity of free and immobilised allochthonous bacteria during bioremediation of hydrocarbon-contaminated soils. Biodegradation, 2013, 24, 1-11.	3.0	27
84	Season linked responses to fine and quasi-ultrafine Milan PM in cultured cells. Toxicology in Vitro, 2013, 27, 551-559.	2.4	87
85	Bacterial DGGE fingerprints of biofilms on electrodes of membraneless microbial fuel cells. International Biodeterioration and Biodegradation, 2013, 84, 211-219.	3.9	55
86	Bacterial community structure on two alpine debris-covered glaciers and biogeography of Polaromonas phylotypes. ISME Journal, 2013, 7, 1483-1492.	9.8	63
87	Environmental fate, toxicity, characteristics and potential applications of novel bioemulsifiers produced by Variovorax paradoxus 7bCT5. Bioresource Technology, 2012, 108, 245-251.	9.6	59
88	Remediation of groundwater polluted by gasoline-derived compounds with biobarriers. , 2012, , .		3
89	Thermophilic bacteria in cool soils: metabolic activity and mechanisms of dispersal. , 2011, , 43-58.		4
90	In vitro effects of microbiologically characterized Milan particulate matter. Procedia Environmental Sciences, 2011, 4, 192-197.	1.4	5

#	Article	IF	Citations
91	Antibiotic resistance in bacteria associated with coarse atmospheric particulate matter in an urban area. Journal of Applied Microbiology, 2011, 110, 1612-1620.	3.1	22
92	Phylogenetic characterization of bioemulsifier-producing bacteria. International Biodeterioration and Biodegradation, 2011, 65, 1095-1099.	3.9	14
93	Seasonal variability of bacteria in fine and coarse urban air particulate matter. Applied Microbiology and Biotechnology, 2011, 90, 745-753.	3.6	115
94	Microbial biosurfactants production, applications and future potential. Applied Microbiology and Biotechnology, 2010, 87, 427-444.	3.6	1,193
95	Biodegradation of N,N diethylaniline in a contaminated aquifer: laboratory- and field-scale evidences. Biodegradation, 2010, 21, 193-201.	3.0	1
96	Production and applications of trehalose lipid biosurfactants. European Journal of Lipid Science and Technology, 2010, 112, 617-627.	1.5	218
97	Influence of compost amendment on microbial community and ecotoxicity of hydrocarbon-contaminated soils. Bioresource Technology, 2010, 101, 568-575.	9.6	81
98	Applications of Biological Surface Active Compounds in Remediation Technologies. Advances in Experimental Medicine and Biology, 2010, 672, 121-134.	1.6	68
99	Optimisation of emulsifier production by Gordonia spp. BS29. New Biotechnology, 2009, 25, S77.	4.4	0
100	Isolation and characterisation of surface active compound-producing bacteria from hydrocarbon-contaminated environments. International Biodeterioration and Biodegradation, 2009, 63, 936-942.	3.9	62
101	Cultural factors affecting biosurfactant production by Gordonia sp. BS29. International Biodeterioration and Biodegradation, 2009, 63, 943-947.	3.9	41
102	Potential applications of surface active compounds by Gordonia sp. strain BS29 in soil remediation technologies. Chemosphere, 2009, 75, 801-807.	8.2	102
103	Applications of Surface Active Compounds by Gordonia in bioremediation and washing of hydrocarbon-contaminated soils. , 2009, , .		0
104	Isolation and screening of surface active compound-producing bacteria on renewable substrates. , 2009, , .		4
105	Thermophilic bacteria in cool temperate soils: are they metabolically active or continually added by global atmospheric transport?. Applied Microbiology and Biotechnology, 2008, 78, 841-852.	3.6	64
106	Selection of surfactants for enhancing diesel hydrocarbons-contaminated media bioremediation. Journal of Hazardous Materials, 2008, 152, 1309-1316.	12.4	48
107	Monitoring of electro-active biofilm in soil. Electrochimica Acta, 2008, 54, 41-46.	5.2	21
108	Surface-active compounds and their role in the access to hydrocarbons in Gordonia strains. FEMS Microbiology Ecology, 2008, 63, 238-248.	2.7	84

#	Article	IF	Citations
109	Slurry phase bioremediation of PAHs in industrial landfill samples at laboratory scale. Waste Management, 2008, 28, 1338-1345.	7.4	23
110	Bioremediation of Diesel Fuel Contaminated Soil: Effect of Non Ionic Surfactants and Selected Bacteria Addition. Annali Di Chimica, 2007, 97, 799-805.	0.6	16
111	Environmental features of two commercial surfactants widely used in soil remediation. Chemosphere, 2006, 62, 1474-1480.	8.2	76
112	Bioremediation of Diethylhexyl Phthalate Contaminated Soil:Â A Feasibility Study in Slurry- and Solid-Phase Reactors. Environmental Science & Technology, 2005, 39, 325-330.	10.0	47
113	Naphthalene biodegradation kinetics in an aerobic slurry-phase bioreactor. Environment International, 2005, 31, 167-171.	10.0	45
114	Fungal communities in European alpine soils are not affected by shortâ€term in situ simulated warming than bacterial communities. Environmental Microbiology, 0, , .	3.8	3