Daniele Daffonchio

List of Publications by Citations

247 papers	11,213 citations	56 h-index	94 g-index
264 ext. papers	13,484 ext. citations	6 avg, IF	5.95 L-index

#	Paper	IF	Citations
247	Initial community evenness favours functionality under selective stress. *Nature*, **2009**, 458, 623-6	50.4	683
246	Comparison of different primer sets for use in automated ribosomal intergenic spacer analysis of complex bacterial communities. *Applied and Environmental Microbiology*, **2004**, 70, 6147-56	4.8	405
245	How to get more out of molecular fingerprints: practical tools for microbial ecology. *Environmental Microbiology*, **2008**, 10, 1571-81	5.2	388
244	Release and persistence of extracellular DNA in the environment. *Environmental Biosafety Research* , **2007**, 6, 37-53		327
243	Improved plant resistance to drought is promoted by the root-associated microbiome as a water stress-dependent trait. *Environmental Microbiology*, **2015**, 17, 316-31	5.2	316
242	Bacteria of the genus Asaia stably associate with Anopheles stephensi, an Asian malarial mosquito vector. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9047-51	11.5	299
241	A drought resistance-promoting microbiome is selected by root system under desert farming. *PLoS ONE*, **2012**, 7, e48479	3.7	291
240	The enigma of prokaryotic life in deep hypersaline anoxic basins. *Science*, **2005**, 307, 121-3	33.3	243
239	Acetic acid bacteria, newly emerging symbionts of insects. *Applied and Environmental Microbiology*, **2010**, 76, 6963-70	4.8	212
238	Stratified prokaryote network in the oxic-anoxic transition of a deep-sea halocline. *Nature*, **2006**, 440, 203-7	50.4	185
237	Homoduplex and heteroduplex polymorphisms of the amplified ribosomal 16S-23S internal transcribed spacers describe genetic relationships in the "Bacillus cereus group". *Applied and Environmental Microbiology*, **2000**, 66, 5460-8	4.8	137
236	Biotechnological applications of extremophiles, extremozymes and extremolytes. *Applied Microbiology and Biotechnology*, **2015**, 99, 7907-13	5.7	134
235	Two-stage vs single-stage thermophilic anaerobic digestion: comparison of energy production and biodegradation efficiencies. *Environmental Science & Technology*, **2012**, 46, 8502-10	10.3	125
234	Asaia, a versatile acetic acid bacterial symbiont, capable of cross-colonizing insects of phylogenetically distant genera and orders. *Environmental Microbiology*, **2009**, 11, 3252-64	5.2	121
233	Delayed larval development in Anopheles mosquitoes deprived of Asaia bacterial symbionts. *BMC Microbiology*, **2012**, 12 Suppl 1, S2	4.5	117
232	Grapevine rootstocks shape underground bacterial microbiome and networking but not potential functionality. *Microbiome*, **2018**, 6, 3	16.6	108
231	Biodiversity of Geodermatophilaceae isolated from altered stones and monuments in the Mediterranean basin. *Environmental Microbiology*, **2001**, 3, 471-9	5.2	106

230	Potential for plant growth promotion of rhizobacteria associated with Salicornia growing in Tunisian hypersaline soils. *BioMed Research International*, **2013**, 2013, 248078	3	104
229	Gut microbiome dysbiosis and honeybee health. *Journal of Applied Entomology*, **2011**, 135, 524-533	1.7	104
228	Sulfur cycling and methanogenesis primarily drive microbial colonization of the highly sulfidic Urania deep hypersaline basin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9151-6	11.5	104
227	Mosquito-bacteria symbiosis: the case of Anopheles gambiae and Asaia. *Microbial Ecology*, **2010**, 60, 644-54	4.4	103
226	Paternal transmission of symbiotic bacteria in malaria vectors. *Current Biology*, **2008**, 18, R1087-8	6.3	100
225	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. *Trends in Biotechnology*, **2017**, 35, 860-870	15.1	97
224	Acetobacter tropicalis is a major symbiont of the olive fruit fly (Bactrocera oleae). *Applied and Environmental Microbiology*, **2009**, 75, 3281-8	4.8	96
223	Phylogenomic evidence for the presence of a flagellum and cbb(3) oxidase in the free-living mitochondrial ancestor. *Molecular Biology and Evolution*, **2011**, 28, 3285-96	8.3	95
222	Environmental conditions and community evenness determine the outcome of biological invasion. *Nature Communications*, **2013**, 4, 1383	17.4	92
221	Microbial symbionts: a resource for the management of insect-related problems. *Microbial Biotechnology*, **2012**, 5, 307-17	6.3	89
220	Thuricin 7: a novel bacteriocin produced by Bacillus thuringiensis BMG1.7, a new strain isolated from soil. *Letters in Applied Microbiology*, **2001**, 32, 243-7	2.9	87
219	Mineral-microbe interactions: biotechnological potential of bioweathering. *Journal of Biotechnology*, **2012**, 157, 473-81	3.7	83
218	Oasis desert farming selects environment-specific date palm root endophytic communities and cultivable bacteria that promote resistance to drought. *Environmental Microbiology Reports*, **2015**, 7, 668-78	3.7	82
217	Multiple symbiosis in the leafhopper Scaphoideus titanus (Hemiptera: Cicadellidae): details of transovarial transmission of Cardinium sp. and yeast-like endosymbionts. *Tissue and Cell*, **2008**, 40, 231-42	2.7	80
216	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. *Scientific Reports*, **2015**, 5, 11651	4.9	78
215	Contrasted resistance of stone-dwelling Geodermatophilaceae species to stresses known to give rise to reactive oxygen species. *FEMS Microbiology Ecology*, **2012**, 80, 566-77	4.3	77
214	Bacterial communities associated with the rhizosphere of transgenic Bt 176 maize (Zea mays) and its non transgenic counterpart. *Plant and Soil*, **2005**, 266, 11-21	4.2	77
213	Plant-associated microbiomes in arid lands: diversity, ecology and biotechnological potential. *Plant and Soil*, **2016**, 405, 357-370	4.2	73

212	Endophytic bacterial diversity in grapevine (Vitis vinifera L.) leaves described by 16S rRNA gene sequence analysis and length heterogeneity-PCR. *Journal of Microbiology*, **2009**, 47, 393-401	3	73
211	Improved methodology for bioremoval of black crusts on historical stone artworks by use of sulfate-reducing bacteria. *Applied and Environmental Microbiology*, **2006**, 72, 3733-7	4.8	73
210	A novel Bacteroidetes symbiont is localized in Scaphoideus titanus, the insect vector of Flavescence dorée in Vitis vinifera. *Applied and Environmental Microbiology*, **2006**, 72, 1467-75	4.8	73
209	Genomic subpopulations within the species Pediococcus acidilactici detected by multilocus typing analysis: relationships between pediocin AcH/PA-1 producing and non-producing strains. *Microbiology (United Kingdom)*, **2000**, 146 (Pt 8), 2027-2038	2.9	73
208	Rock weathering creates oases of life in a high Arctic desert. *Environmental Microbiology*, **2010**, 12, 293-303	5.2	72
207	Detection and characterization of the novel bacteriocin entomocin 9, and safety evaluation of its producer, Bacillus thuringiensis ssp. entomocidus HD9. *Journal of Applied Microbiology*, **2003**, 95, 990-1000	4.7	71
206	Bacteria of the genus Asaia: a potential paratransgenic weapon against malaria. *Advances in Experimental Medicine and Biology*, **2008**, 627, 49-59	3.6	70
205	Restructuring of endophytic bacterial communities in grapevine yellows-diseased and recovered Vitis vinifera L. plants. *Applied and Environmental Microbiology*, **2011**, 77, 5018-22	4.8	69
204	Are drought-resistance promoting bacteria cross-compatible with different plant models?. *Plant Signaling and Behavior*, **2013**, 8,	2.5	68
203	Molecular evidence for multiple infections as revealed by typing of Asaia bacterial symbionts of four mosquito species. *Applied and Environmental Microbiology*, **2010**, 76, 7444-50	4.8	67
202	'Candidatus Liberibacter europaeus' sp. nov. that is associated with and transmitted by the psyllid Cacopsylla pyri apparently behaves as an endophyte rather than a pathogen. *Environmental Microbiology*, **2011**, 13, 414-26	5.2	66
201	Microbial community structure and dynamics in two-stage vs single-stage thermophilic anaerobic digestion of mixed swine slurry and market bio-waste. *Water Research*, **2013**, 47, 1983-95	12.5	64
200	Visual evidence of horizontal gene transfer between plants and bacteria in the phytosphere of transplastomic tobacco. *Applied and Environmental Microbiology*, **2009**, 75, 3314-22	4.8	61
199	Nature of polymorphisms in 16S-23S rRNA gene intergenic transcribed spacer fingerprinting of Bacillus and related genera. *Applied and Environmental Microbiology*, **2003**, 69, 5128-37	4.8	61
198	Genetic relationship in the 'Bacillus cereus group' by rep-PCR fingerprinting and sequencing of a Bacillus anthracis-specific rep-PCR fragment. *Journal of Applied Microbiology*, **2003**, 94, 1108-19	4.7	61
197	A randomly amplified polymorphic DNA marker specific for the Bacillus cereus group is diagnostic for Bacillus anthracis. *Applied and Environmental Microbiology*, **1999**, 65, 1298-303	4.8	61
196	Bacillus anthracis diverges from related clades of the Bacillus cereus group in 16S-23S ribosomal DNA intergenic transcribed spacers containing tRNA genes. *Applied and Environmental Microbiology* , **2003**, 69, 33-40	4.8	58
195	A conceptual framework for invasion in microbial communities. *ISME Journal*, **2016**, 10, 2773-2775	11.9	58

194	Rhizosheath microbial community assembly of sympatric desert speargrasses is independent of the plant host. *Microbiome*, **2018**, 6, 215	16.6	58
193	Plant-mediated interspecific horizontal transmission of an intracellular symbiont in insects. *Scientific Reports*, **2015**, 5, 15811	4.9	57
192	A novel reductive dehalogenase, identified in a contaminated groundwater enrichment culture and in Desulfitobacterium dichloroeliminans strain DCA1, is linked to dehalogenation of 1,2-dichloroethane. *Applied and Environmental Microbiology*, **2007**, 73, 2990-9	4.8	57
191	The stability and degradation of dietary DNA in the gastrointestinal tract of mammals: implications for horizontal gene transfer and the biosafety of GMOs. *Critical Reviews in Food Science and Nutrition*, **2012**, 52, 142-61	11.5	56
190	Different mosquito species host Wickerhamomyces anomalus (Pichia anomala): perspectives on vector-borne diseases symbiotic control. *Antonie Van Leeuwenhoek*, **2011**, 99, 43-50	2.1	55
189	Biotransformations of cinnamic and ferulic acid with actinomycetes. *Enzyme and Microbial Technology*, **2004**, 34, 3-9	3.8	55
188	Response of bacterial community during bioremediation of an oil-polluted soil. *Journal of Applied Microbiology*, **2003**, 94, 248-57	4.7	55
187	Effects of the diet on the microbiota of the red palm weevil (Coleoptera: Dryophthoridae). *PLoS ONE*, **2015**, 10, e0117439	3.7	54
186	Acetic acid bacteria genomes reveal functional traits for adaptation to life in insect guts. *Genome Biology and Evolution*, **2014**, 6, 912-20	3.9	53
185	Measuring the role of seagrasses in regulating sediment surface elevation. *Scientific Reports*, **2017**, 7, 11917	4.9	52
184	Characterization and partial purification of entomocin 110, a newly identified bacteriocin from Bacillus thuringiensis subsp. Entomocidus HD110. *Microbiological Research*, **2008**, 163, 684-92	5.3	52
183	Effects of municipal solid waste compost, farmyard manure and chemical fertilizers on wheat growth, soil composition and soil bacterial characteristics under Tunisian arid climate. *European Journal of Soil Biology*, **2009**, 45, 138-145	2.9	51
182	Interactions between Asaia, Plasmodium and Anopheles: new insights into mosquito symbiosis and implications in malaria symbiotic control. *Parasites and Vectors*, **2013**, 6, 182	4	50
181	Halo-alkalitolerant and thermostable cellulases with improved tolerance to ionic liquids and organic solvents from Paenibacillus tarimensis isolated from the Chott El Fejej, Sahara desert, Tunisia. *Bioresource Technology*, **2013**, 150, 121-8	11	50
180	Unravelling the Wolbachia evolutionary role: the reprogramming of the host genomic imprinting. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 2485-91	4.4	50
179	Bacterial endosymbiont localization in Hyalesthes obsoletus, the insect vector of Bois noir in Vitis vinifera. *Applied and Environmental Microbiology*, **2011**, 77, 1423-35	4.8	50
178	16S-23S rRNA internal transcribed spacers as molecular markers for the species of the 16S rRNA group I of the genus Bacillus. *FEMS Microbiology Letters*, **1998**, 163, 229-36	2.9	49
177	The stage of soil development modulates rhizosphere effect along a High Arctic desert chronosequence. *ISME Journal*, **2018**, 12, 1188-1198	11.9	48

176	The yeast Wickerhamomyces anomalus (Pichia anomala) inhabits the midgut and reproductive system of the Asian malaria vector Anopheles stephensi. *Environmental Microbiology*, **2011**, 13, 911-21	5.2	48
175	Characterization of urease genes cluster of Streptococcus thermophilus. *Journal of Applied Microbiology*, **2004**, 96, 209-19	4.7	48
174	A Chloroflexi bacterium dechlorinates polychlorinated biphenyls in marine sediments under in situ-like biogeochemical conditions. *Journal of Hazardous Materials*, **2012**, 209-210, 449-57	12.8	47
173	DNA is preserved and maintains transforming potential after contact with brines of the deep anoxic hypersaline lakes of the Eastern Mediterranean Sea. *Saline Systems*, **2008**, 4, 10		47
172	Stone-dwelling actinobacteria Blastococcus saxobsidens, Modestobacter marinus and Geodermatophilus obscurus proteogenomes. *ISME Journal*, **2016**, 10, 21-9	11.9	46
171	16S-23S rRNA intergenic spacer region sequence variation in Streptococcus thermophilus and related dairy streptococci and development of a multiplex ITS-SSCP analysis for their identification. *Microbiology (United Kingdom)*, **2003**, 149, 807-813	2.9	46
170	Allochthonous bioaugmentation in ex situ treatment of crude oil-polluted sediments in the presence of an effective degrading indigenous microbiome. *Journal of Hazardous Materials*, **2015**, 287, 78-86	12.8	45
169	Usefulness of length heterogeneity-PCR for monitoring lactic acid bacteria succession during maize ensiling. *FEMS Microbiology Ecology*, **2006**, 56, 154-64	4.3	45
168	Isolation of Elaeagnus-compatible Frankia from soils collected in Tunisia. *FEMS Microbiology Letters*, **2004**, 234, 349-355	2.9	45
167	Screening of plant growth promoting traits ofBacillus thuringiensis. *Annals of Microbiology*, **2008**, 58, 47-52	3.2	44
166	Strategy for identification of Bacillus cereus and Bacillus thuringiensis strains closely related to Bacillus anthracis. *Applied and Environmental Microbiology*, **2006**, 72, 1295-301	4.8	44
165	Bacterial endophytes of mangrove propagules elicit early establishment of the natural host and promote growth of cereal crops under salt stress. *Microbiological Research*, **2019**, 223-225, 33-43	5.3	43
164	Thermal specialization across large geographical scales predicts the resilience of mangrove crab populations to global warming. *Oikos*, **2015**, 124, 784-795	4	42
163	16S□23S rRNA internal transcribed spacers as molecular markers for the species of the 16S rRNA group I of the genus Bacillus. *FEMS Microbiology Letters*, **1998**, 163, 229-236	2.9	41
162	Horizontal transmission of the symbiotic bacterium Asaia sp. in the leafhopper Scaphoideus titanus Ball (Hemiptera: Cicadellidae). *BMC Microbiology*, **2012**, 12 Suppl 1, S4	4.5	40
161	Hindering biofilm formation with zosteric acid. *Biofouling*, **2010**, 26, 739-52	3.3	40
160	Isolation and characterization of non-Frankia actinobacteria from root nodules of Alnus glutinosa, Casuarina glauca and Elaeagnus angustifolia. *Symbiosis*, **2010**, 50, 51-57	3	40
159	Root bacterial endophytes confer drought resistance and enhance expression and activity of a vacuolar H -pumping pyrophosphatase in pepper plants. *Environmental Microbiology*, **2018**, 21, 3212	5.2	39

158	Evolution of mitochondria reconstructed from the energy metabolism of living bacteria. *PLoS ONE*, **2014**, 9, e96566	3.7	39
157	Water Disinfection Byproducts Increase Natural Transformation Rates of Environmental DNA in Acinetobacter baylyi ADP1. *Environmental Science & Technology*, **2019**, 53, 6520-6528	10.3	38
156	A horizon scan of priorities for coastal marine microbiome research. *Nature Ecology and Evolution*, **2019**, 3, 1509-1520	12.3	37
155	Biodiversity of prokaryotic communities in sediments of different sub-basins of the Venice lagoon. *Research in Microbiology*, **2009**, 160, 307-14	4	37
154	Characterization of the microbial community from the marine sediment of the Venice lagoon capable of reductive dechlorination of coplanar polychlorinated biphenyls (PCBs). *Journal of Hazardous Materials*, **2010**, 178, 417-26	12.8	37
153	Laboratory-scale experiments with a powdered compost biofilter treating benzene-polluted air. *Process Biochemistry*, **2005**, 40, 2035-2043	4.8	37
152	Microbial oil-degradation under mild hydrostatic pressure (10 MPa): which pathways are impacted in piezosensitive hydrocarbonoclastic bacteria?. *Scientific Reports*, **2016**, 6, 23526	4.9	36
151	Anammox bacterial populations in deep marine hypersaline gradient systems. *Extremophiles*, **2013**, 17, 289-99	3	36
150	Characterization of the bacterial community associated with larvae and adults of Anoplophora chinensis collected in Italy by culture and culture-independent methods. *BioMed Research International*, **2013**, 2013, 420287	3	36
149	Microbial succession in a compost-packed biofilter treating benzene-contaminated air. *Biodegradation*, **2006**, 17, 181-91	4.1	34
148	Strategy for in situ detection of natural transformation-based horizontal gene transfer events. *Applied and Environmental Microbiology*, **2008**, 74, 1250-4	4.8	33
147	Diversity and phylogeny of culturable spore-forming Bacilli isolated from marine sediments. *Journal of Basic Microbiology*, **2009**, 49 Suppl 1, S13-23	2.7	32
146	Urease biogenesis in Streptococcus thermophilus. *Research in Microbiology*, **2005**, 156, 897-903	4	32
145	Single strand conformation polymorphism analysis of PCR-tDNA fingerprinting to address the identification of Bacillus species. *FEMS Microbiology Letters*, **1997**, 157, 87-93	2.9	32
144	Fiddler crab bioturbation determines consistent changes in bacterial communities across contrasting environmental conditions. *Scientific Reports*, **2019**, 9, 3749	4.9	31
143	Olfactory attraction of Drosophila suzukii by symbiotic acetic acid bacteria. *Journal of Pest Science*, **2016**, 89, 783-792	5.5	31
142	Bacterial diversity shift determined by different diets in the gut of the spotted wing fly Drosophila suzukii is primarily reflected on acetic acid bacteria. *Environmental Microbiology Reports*, **2017**, 9, 91-103	3.7	31
141	Plant growth promotion potential is equally represented in diverse grapevine root-associated bacterial communities from different biopedoclimatic environments. *BioMed Research International* , **2013**, 2013, 491091	3	31

140	Salicornia strobilacea (Synonym of Halocnemum strobilaceum) Grown under Different Tidal Regimes Selects Rhizosphere Bacteria Capable of Promoting Plant Growth. *Frontiers in Microbiology* , **2016**, 7, 1286	5.7	31
139	Genetic diversity among Elaeagnus compatible Frankia strains and sympatric-related nitrogen-fixing actinobacteria revealed by nifH sequence analysis. *Soil Biology and Biochemistry*, **2007**, 39, 372-377	7.5	30
138	Bioremediation of Southern Mediterranean oil polluted sites comes of age. *New Biotechnology*, **2013**, 30, 743-8	6.4	29
137	Bacterial communities involved in soil formation and plant establishment triggered by pyrite bioweathering on arctic moraines. *Microbial Ecology*, **2011**, 61, 438-47	4.4	29
136	Esterase as an enzymatic signature of Geodermatophilaceae adaptability to Sahara desert stones and monuments. *Journal of Applied Microbiology*, **2010**, 108, 1723-32	4.7	29
135	Treatment of benzene-contaminated airstreams in laboratory-scale biofilters packed with raw and sieved sugarcane bagasse and with peat. *Biodegradation*, **2004**, 15, 87-96	4.1	29
134	The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. *New Biotechnology*, **2015**, 32, 157-67	6.4	28
133	Hydrocarbon pollutants shape bacterial community assembly of harbor sediments. *Marine Pollution Bulletin*, **2016**, 104, 211-20	6.7	28
132	Shifts of microbial community structure during anaerobic digestion of agro-industrial energetic crops and food industry byproducts. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 1302-1311	3.5	28
131	Anaerobic digestion of print pastes: A preliminary screening of inhibition by dyes and biodegradability of thickeners. *Bioresource Technology*, **1998**, 63, 49-56	11	28
130	The trade-off between heat tolerance and metabolic cost drives the bimodal life strategy at the air-water interface. *Scientific Reports*, **2016**, 6, 19158	4.9	28
129	An impaired metabolic response to hydrostatic pressure explains Alcanivorax borkumensis recorded distribution in the deep marine water column. *Scientific Reports*, **2016**, 6, 31316	4.9	27
128	Successful combination of chemical and biological treatments for the cleaning of stone artworks. *International Biodeterioration and Biodegradation*, **2013**, 85, 294-304	4.8	27
127	Root-associated bacteria promote grapevine growth: from the laboratory to the field. *Plant and Soil* , **2017**, 410, 369-382	4.2	27
126	Characterization of polyvalent and safe Bacillus thuringiensis strains with potential use for biocontrol. *Journal of Basic Microbiology*, **2009**, 49, 293-303	2.7	27
125	Genome sequence of radiation-resistant Modestobacter marinus strain BC501, a representative actinobacterium that thrives on calcareous stone surfaces. *Journal of Bacteriology*, **2012**, 194, 4773-4	3.5	27
124	Lead-resistant microorganisms from red stains of marble of the Certosa of Pavia, Italy and use of nucleic acid-based techniques for their detection. *International Biodeterioration and Biodegradation*, **1997**, 40, 171-182	4.8	27
123	Ultrastructure of a novel Cardinium sp. symbiont in Scaphoideus titanus (Hemiptera: Cicadellidae). *Tissue and Cell*, **2006**, 38, 257-61	2.7	27

122	Ecological status and sources of anthropogenic contaminants in mangroves of the Wouri River Estuary (Cameroon). *Marine Pollution Bulletin*, **2016**, 109, 723-33	6.7	27
121	Oxygen supersaturation protects coastal marine fauna from ocean warming. *Science Advances*, **2019**, 5, eaax1814	14.3	26
120	The date palm tree rhizosphere is a niche for plant growth promoting bacteria in the oasis ecosystem. *BioMed Research International*, **2015**, 2015, 153851	3	26
119	Alkalizing reactions streamline cellular metabolism in acidogenic microorganisms. *PLoS ONE*, **2010**, 5, e15520	3.7	26
118	Toward unrestricted use of public genomic data. *Science*, **2019**, 363, 350-352	33.3	25
117	Different pioneer plant species select specific rhizosphere bacterial communities in a high mountain environment. *SpringerPlus*, **2014**, 3, 391		25
116	Aromatic hydrocarbon degradation patterns and catechol 2,3-dioxygenase genes in microbial cultures from deep anoxic hypersaline lakes in the eastern Mediterranean sea. *Microbiological Research*, **2001**, 156, 49-58	5.3	25
115	Gammaproteobacteria occurrence and microdiversity in Tyrrhenian Sea sediments as revealed by cultivation-dependent and -independent approaches. *Systematic and Applied Microbiology*, **2010**, 33, 222-31	4.2	24
114	Bacillus thuringiensis beyond insect biocontrol: plant growth promotion and biosafety of polyvalent strains. *Annals of Microbiology*, **2007**, 57, 481-494	3.2	24
113	Characterization of a repetitive element polymorphism-polymerase chain reaction chromosomal marker that discriminates Bacillus anthracis from related species. *Journal of Applied Microbiology*, **2002**, 93, 456-62	4.7	24
112	Microbial ecology of deep-sea hypersaline anoxic basins. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	24
111	Dispersal homogenizes communities via immigration even at low rates in a simplified synthetic bacterial metacommunity. *Nature Communications*, **2019**, 10, 1314	17.4	23
110	Genome sequence of Blastococcus saxobsidens DD2, a stone-inhabiting bacterium. *Journal of Bacteriology*, **2012**, 194, 2752-3	3.5	23
109	Bacterial community diversity assessment in municipal solid waste compost amended soil using DGGE and ARISA fingerprinting methods. *World Journal of Microbiology and Biotechnology*, **2008**, 24, 1159-1167	4.4	23
108	Mosquito symbioses: from basic research to the paratransgenic control of mosquito-borne diseases. *Journal of Applied Entomology*, **2011**, 135, 487-493	1.7	22
107	Diversity of auxin-producing bacteria associated to Pseudomonas savastanoi -induced olive knots. *Journal of Basic Microbiology*, **2008**, 48, 370-7	2.7	22
106	Response of ammonia oxidizing bacteria and archaea to acute zinc stress and different moisture regimes in soil. *Microbial Ecology*, **2012**, 64, 1028-37	4.4	21
105	Bacterial diversity and reductive dehalogenase redundancy in a 1,2-dichloroethane-degrading bacterial consortium enriched from a contaminated aquifer. *Microbial Cell Factories*, **2010**, 9, 12	6.4	21

104	Incidence of Candidatus Liberibacter europaeus and phytoplasmas in Cacopsylla species (Hemiptera: Psyllidae) and their host/shelter plants. *Phytoparasitica*, **2012**, 40, 213-221	1.5	20
103	Biogeography of planktonic bacterial communities across the whole Mediterranean Sea. *Ocean Science*, **2013**, 9, 585-595	4	20
102	Fluorescent-BOX-PCR for resolving bacterial genetic diversity, endemism and biogeography. *BMC Microbiology*, **2008**, 8, 220	4.5	20
101	Diversity of Bacillus anthracis strains in Georgia and of vaccine strains from the former Soviet Union. *Applied and Environmental Microbiology*, **2006**, 72, 5631-6	4.8	20
100	Response of 1,2-dichloroethane-adapted microbial communities to ex-situ biostimulation of polluted groundwater. *Biodegradation*, **2006**, 17, 143-58	4.1	20
99	Marine microorganisms as source of stereoselective esterases and ketoreductases: kinetic resolution of a prostaglandin intermediate. *Marine Biotechnology*, **2015**, 17, 144-52	3.4	19
98	Acquisition of Extracellular DNA by ADP1 in Response to Solar and UV-C Disinfection. *Environmental Science & Technology*, **2019**, 53, 10312-10319	10.3	19
97	Hydrocarbonoclastic Isolates Exhibit Different Physiological and Expression Responses to -dodecane. *Frontiers in Microbiology*, **2016**, 7, 2056	5.7	19
96	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. *Coral Reefs of the World*, **2019**, 1-10	2.1	18
95	Bacteria Associated to Plants Naturally Selected in a Historical PCB Polluted Soil Show Potential to Sustain Natural Attenuation. *Frontiers in Microbiology*, **2017**, 8, 1385	5.7	18
94	Degradation Network Reconstruction in Uric Acid and Ammonium Amendments in Oil-Degrading Marine Microcosms Guided by Metagenomic Data. *Frontiers in Microbiology*, **2015**, 6, 1270	5.7	17
93	Hydrolytic Profile of the Culturable Gut Bacterial Community Associated With. *Frontiers in Microbiology*, **2020**, 11, 1965	5.7	17
92	The role of fungi in heterogeneous sediment microbial networks. *Scientific Reports*, **2019**, 9, 7537	4.9	16
91	Consistent bacterial selection by date palm root system across heterogeneous desert oasis agroecosystems. *Scientific Reports*, **2019**, 9, 4033	4.9	16
90	Ensuring safety in artisanal food microbiology. *Nature Microbiology*, **2016**, 1, 16171	26.6	16
89	The autolytic phenotype of the Bacillus cereus group. *Journal of Applied Microbiology*, **2005**, 99, 1070-81	4.7	15
88	Developmental stages and gut microenvironments influence gut microbiota dynamics in the invasive beetle Popillia japonica Newman (Coleoptera: Scarabaeidae). *Environmental Microbiology*, **2019**, 21, 4343-4359	5.2	14
87	Safe-site effects on rhizosphere bacterial communities in a high-altitude alpine environment. *BioMed Research International*, **2014**, 2014, 480170	3	14

86	Rehabilitation of Mediterranean anthropogenic soils using symbiotic wild legume shrubs: Plant establishment and impact on the soil bacterial community structure. *Applied Soil Ecology*, **2010**, 46, 1-8	5	14
85	Response of methanogen populations to organic load increase during anaerobic digestion of olive mill wastewater. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 1556-1562	3.5	14
84	The autolytic phenotype of Bacillus thuringiensis. *Journal of Applied Microbiology*, **2004**, 97, 158-68	4.7	14
83	High denitrification and anaerobic ammonium oxidation contributes to net nitrogen loss in a seagrass ecosystem in the central Red Sea. *Biogeosciences*, **2018**, 15, 7333-7346	4.6	14
82	Chimeric symbionts expressing a Wolbachia protein stimulate mosquito immunity and inhibit filarial parasite development. *Communications Biology*, **2020**, 3, 105	6.7	13
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