Daniele Daffonchio

List of Publications by Year in Descending Order

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	Destabilization of the Bacterial Interactome Identifies Nutrient Restriction-Induced Dysbiosis in Insect Guts.. *Microbiology Spectrum*, **2022**, e0158021	8.9	0
246	Contribution of Tamarix aphylla to soil organic matter evolution in a natural semi-desert area in Tunisia. *Journal of Arid Environments*, **2022**, 196, 104639	2.5	
245	Insights Into the Cultivable Bacterial Fraction of Sediments From the Red Sea Mangroves and Physiological, Chemotaxonomic, and Genomic Characterization of gen. nov., sp. nov., a Novel Member of the Family.. *Frontiers in Microbiology*, **2022**, 13, 777986	5.7	2
244	Rhizosheath-root system changes exopolysaccharide content but stabilizes bacterial community across contrasting seasons in a desert environment.. *Environmental Microbiomes*, **2022**, 17, 14	5.6	2
243	Morphological characteristics and abundance of prokaryotes associated with gills in mangrove brachyuran crabs living along a tidal gradient.. *PLoS ONE*, **2022**, 17, e0266977	3.7	
242	Genomic and metabolic adaptations of biofilms to ecological windows of opportunity in glacier-fed streams.. *Nature Communications*, **2022**, 13, 2168	17.4	1
241	The Importance of Larval Stages for Considering Crab Microbiomes as a Paradigm for the Evolution of Terrestrialization. *Frontiers in Microbiology*, **2021**, 12, 770245	5.7	2
240	Fine-scale metabolic discontinuity in a stratified prokaryote microbiome of a Red Sea deep halocline. *ISME Journal*, **2021**, 15, 2351-2365	11.9	2
239	gen. nov., sp. nov. isolated from Red Sea mangrove sediments belongs to the recently proposed family within the order Rhizobiales. *International Journal of Systematic and Evolutionary Microbiology*, **2021**, 71,	2.2	2
238	Compartmentalization of bacterial and fungal microbiomes in the gut of adult honeybees. *Npj Biofilms and Microbiomes*, **2021**, 7, 42	8.2	6
237	gen. nov., sp. nov., a moderately halophilic bacterium isolated from bioturbated Red Sea mangrove sediment, and proposal of the novel family fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2021**, 71,	2.2	1
236	Direct quantification of ecological drift at the population level in synthetic bacterial communities. *ISME Journal*, **2021**, 15, 55-66	11.9	13
235	The Impact of the Inoculation of Phosphate-Solubilizing Bacteria on Phosphorus Availability and Bacterial Community Dynamics of a Semi-Arid Soil. *Microorganisms*, **2021**, 9,	4.9	2
234	The effect of plant domestication on host control of the microbiota. *Communications Biology*, **2021**, 4, 936	6.7	3
233	Aridity modulates belowground bacterial community dynamics in olive tree. *Environmental Microbiology*, **2021**, 23, 6275-6291	5.2	1
232	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. *Frontiers in Marine Science*, **2021**, 7,	4.5	6
231	Chimeric symbionts expressing a Wolbachia protein stimulate mosquito immunity and inhibit filarial parasite development. *Communications Biology*, **2020**, 3, 105	6.7	13

230	Discovery of Afifi, the shallowest and southernmost brine pool reported in the Red Sea. *Scientific Reports*, **2020**, 10, 910	4.9	9
229	High temperature and crab density reduce atmospheric nitrogen fixation in Red Sea mangrove sediments. *Estuarine, Coastal and Shelf Science*, **2020**, 232, 106487	2.9	4
228	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. *MSystems*, **2020**, 5,	7.6	12
227	Viral Metagenomic Content Reflects Seawater Ecological Quality in the Coastal Zone. *Viruses*, **2020**, 12,	6.2	2
226	Hydrolytic Profile of the Culturable Gut Bacterial Community Associated With. *Frontiers in Microbiology*, **2020**, 11, 1965	5.7	17
225	Disruption of Host-Symbiont Associations for the Symbiotic Control and Management of Pentatomid Agricultural Pests-A Review. *Frontiers in Microbiology*, **2020**, 11, 547031	5.7	2
224	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
223	Oxygen supersaturation protects coastal marine fauna from ocean warming. *Science Advances*, **2019**, 5, eaax1814	14.3	26
222	Toward unrestricted use of public genomic data. *Science*, **2019**, 363, 350-352	33.3	25
221	The role of fungi in heterogeneous sediment microbial networks. *Scientific Reports*, **2019**, 9, 7537	4.9	16
220	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. *Coral Reefs of the World*, **2019**, 1-10	2.1	18
219	Cultivable hydrocarbon degrading bacteria have low phylogenetic diversity but highly versatile functional potential. *International Biodeterioration and Biodegradation*, **2019**, 142, 43-51	4.8	7
218	Water Disinfection Byproducts Increase Natural Transformation Rates of Environmental DNA in Acinetobacter baylyi ADP1. *Environmental Science & Technology*, **2019**, 53, 6520-6528	10.3	38
217	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
216	Fiddler crab bioturbation determines consistent changes in bacterial communities across contrasting environmental conditions. *Scientific Reports*, **2019**, 9, 3749	4.9	31
215	Consistent bacterial selection by date palm root system across heterogeneous desert oasis agroecosystems. *Scientific Reports*, **2019**, 9, 4033	4.9	16
214	Dispersal homogenizes communities via immigration even at low rates in a simplified synthetic bacterial metacommunity. *Nature Communications*, **2019**, 10, 1314	17.4	23
213	Acquisition of Extracellular DNA by ADP1 in Response to Solar and UV-C Disinfection. *Environmental Science & Technology*, **2019**, 53, 10312-10319	10.3	19

212	Phenomics and Genomics Reveal Adaptation of Strain 21D to Its Origin of Isolation, the Seawater-Brine Interface of the Mediterranean Sea Deep Hypersaline Anoxic Basin Discovery. *Frontiers in Microbiology*, **2019**, 10, 1304	5.7	4
211	Prokaryotic and eukaryotic microbial community responses to N and P nutrient addition in oligotrophic Mediterranean coastal waters: Novel insights from DNA metabarcoding and network analysis. *Marine Environmental Research*, **2019**, 150, 104752	3.3	11
210	A horizon scan of priorities for coastal marine microbiome research. *Nature Ecology and Evolution*, **2019**, 3, 1509-1520	12.3	37
209	Enrichment of sp. and Halophilic Homoacetogens at the Biocathode of Microbial Electrosynthesis System Inoculated With Red Sea Brine Pool. *Frontiers in Microbiology*, **2019**, 10, 2563	5.7	12
208	The stage of soil development modulates rhizosphere effect along a High Arctic desert chronosequence. *ISME Journal*, **2018**, 12, 1188-1198	11.9	48
207	Grapevine rootstocks shape underground bacterial microbiome and networking but not potential functionality. *Microbiome*, **2018**, 6, 3	16.6	108
206	Asaia symbionts interfere with infection by Flavescence dorÉ phytoplasma in leafhoppers. *Journal of Pest Science*, **2018**, 91, 1033-1046	5.5	13
205	Bacterial polyextremotolerant bioemulsifiers from arid soils improve water retention capacity and humidity uptake in sandy soil. *Microbial Cell Factories*, **2018**, 17, 83	6.4	9
204	Highly divergent Mollicutes symbionts coexist in the scorpion Androctonus australis. *Journal of Basic Microbiology*, **2018**, 58, 827-835	2.7	3
203	Low-dose addition of silver nanoparticles stresses marine plankton communities. *Environmental Science: Nano*, **2018**, 5, 1965-1980	7.1	10
202	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
201	Microbial Diversity and Biotechnological Potential of Microorganisms Thriving in the Deep-Sea Brine Pools **2018**, 19-32		2
200	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
199	Rhizosheath microbial community assembly of sympatric desert speargrasses is independent of the plant host. *Microbiome*, **2018**, 6, 215	16.6	58
198	Microbial ecology of deep-sea hypersaline anoxic basins. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	24
197	Biotechnologies for Marine Oil Spill Cleanup: Indissoluble Ties with Microorganisms. *Trends in Biotechnology*, **2017**, 35, 860-870	15.1	97
196	Self-healing capacity of deep-sea ecosystems affected by petroleum hydrocarbons: Understanding microbial oil degradation at hydrocarbon seeps is key to sustainable bioremediation protocols. *EMBO Reports*, **2017**, 18, 868-872	6.5	7
195	Thermal sensitivity of the crab Neosarmatium africanum in tropical and temperate mangroves on the east coast of Africa. *Hydrobiologia*, **2017**, 803, 251-263	2.4	6

194	Measuring the role of seagrasses in regulating sediment surface elevation. *Scientific Reports*, **2017**, 7, 11917	4.9	52
193	Root-associated bacteria promote grapevine growth: from the laboratory to the field. *Plant and Soil* , **2017**, 410, 369-382	4.2	27
192	Modified niche optima and breadths explain the historical contingency of bacterial community responses to eutrophication in coastal sediments. *Molecular Ecology*, **2017**, 26, 2006-2018	5.7	13
191	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
190	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
189	An Updated View of the Microbial Diversity in Deep Hypersaline Anoxic Basins **2017**, 23-40		2
188	Plant-associated microbiomes in arid lands: diversity, ecology and biotechnological potential. *Plant and Soil*, **2016**, 405, 357-370	4.2	73
187	Stone-dwelling actinobacteria Blastococcus saxobsidens, Modestobacter marinus and Geodermatophilus obscurus proteogenomes. *ISME Journal*, **2016**, 10, 21-9	11.9	46
186	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
185	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
184	Ensuring safety in artisanal food microbiology. *Nature Microbiology*, **2016**, 1, 16171	26.6	16
183	Extreme Marine Environments (Brines, Seeps, and Smokers) **2016**, 251-282		2
182	Olfactory attraction of Drosophila suzukii by symbiotic acetic acid bacteria. *Journal of Pest Science*, **2016**, 89, 783-792	5.5	31
181	Acetic Acid Bacteria as Symbionts of Insects **2016**, 121-142		2
180	Hydrocarbon pollutants shape bacterial community assembly of harbor sediments. *Marine Pollution Bulletin*, **2016**, 104, 211-20	6.7	28
179	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
178	Hydrocarbonoclastic Isolates Exhibit Different Physiological and Expression Responses to -dodecane. *Frontiers in Microbiology*, **2016**, 7, 2056	5.7	19
177	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

176	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
175	Diversity, ecological distribution and biotechnological potential of Actinobacteria inhabiting seamounts and non-seamounts in the Tyrrhenian Sea. *Microbiological Research*, **2016**, 186-187, 71-80	5.3	13
174	A conceptual framework for invasion in microbial communities. *ISME Journal*, **2016**, 10, 2773-2775	11.9	58
173	Marine microorganisms as source of stereoselective esterases and ketoreductases: kinetic resolution of a prostaglandin intermediate. *Marine Biotechnology*, **2015**, 17, 144-52	3.4	19
172	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
171	Conversion of Uric Acid into Ammonium in Oil-Degrading Marine Microbial Communities: a Possible Role of Halomonads. *Microbial Ecology*, **2015**, 70, 724-40	4.4	11
170	Thermal specialization across large geographical scales predicts the resilience of mangrove crab populations to global warming. *Oikos*, **2015**, 124, 784-795	4	42
169	Biotechnological applications of extremophiles, extremozymes and extremolytes. *Applied Microbiology and Biotechnology*, **2015**, 99, 7907-13	5.7	134
168	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
167	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
166	Plant-mediated interspecific horizontal transmission of an intracellular symbiont in insects. *Scientific Reports*, **2015**, 5, 15811	4.9	57
165	Invertebrate Gut Associations **2015**, 4.4.1-1-4.4.1-7		
164	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
163	Draft Genome Sequence of the Hydrocarbon-Degrading Bacterium Alcanivorax dieselolei KS-293 Isolated from Surface Seawater in the Eastern Mediterranean Sea. *Genome Announcements*, **2015**, 3,		5
162	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
161	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
160	Bacterial Diversity and Bioremediation Potential of the Highly Contaminated Marine Sediments at El-Max District (Egypt, Mediterranean Sea). *BioMed Research International*, **2015**, 2015, 981829	3	11
159	Diverse Reductive Dehalogenases Are Associated with Clostridiales-Enriched Microcosms Dechlorinating 1,2-Dichloroethane. *BioMed Research International*, **2015**, 2015, 242856	3	8

158	Plant-Microbe Interactions and Water Management in Arid and Saline Soils **2015**, 265-276		8
157	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
156	Effects of the diet on the microbiota of the red palm weevil (Coleoptera: Dryophthoridae). *PLoS ONE*, **2015**, 10, e0117439	3.7	54
155	Microbial Life in Volcanic Lakes. *Advances in Volcanology*, **2015**, 507-522	0	4
154	Different pioneer plant species select specific rhizosphere bacterial communities in a high mountain environment. *SpringerPlus*, **2014**, 3, 391		25
153	Evolution of mitochondria reconstructed from the energy metabolism of living bacteria. *PLoS ONE*, **2014**, 9, e96566	3.7	39
152	Safe-site effects on rhizosphere bacterial communities in a high-altitude alpine environment. *BioMed Research International*, **2014**, 2014, 480170	3	14
151	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
150	The Family Geodermatophilaceae **2014**, 361-379		5
149	Bacillus anthracis **2014**, 279-288		
148	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
147	A three-scale analysis of bacterial communities involved in rocks colonization and soil formation in high mountain environments. *Current Microbiology*, **2013**, 67, 472-9	2.4	12
146	Anammox bacterial populations in deep marine hypersaline gradient systems. *Extremophiles*, **2013**, 17, 289-99	3	36
145	Successful combination of chemical and biological treatments for the cleaning of stone artworks. *International Biodeterioration and Biodegradation*, **2013**, 85, 294-304	4.8	27
144	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
143	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
142	Environmental conditions and community evenness determine the outcome of biological invasion. *Nature Communications*, **2013**, 4, 1383	17.4	92
141	Bioremediation of Southern Mediterranean oil polluted sites comes of age. *New Biotechnology*, **2013**, 30, 743-8	6.4	29

140	Draft Genome of Klebsiella pneumoniae Sequence Type 512, a Multidrug-Resistant Strain Isolated during a Recent KPC Outbreak in Italy. *Genome Announcements*, **2013**, 1,		4
139	Draft Genome Sequences of Two Multidrug Resistant Klebsiella pneumoniae ST258 Isolates Resistant to Colistin. *Genome Announcements*, **2013**, 1,		6
138	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
137	Genetic and biochemical diversity of Paenibacillus larvae isolated from Tunisian infected honey bee broods. *BioMed Research International*, **2013**, 2013, 479893	3	6
136	Potential for plant growth promotion of rhizobacteria associated with Salicornia growing in Tunisian hypersaline soils. *BioMed Research International*, **2013**, 2013, 248078	3	104
135	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
134	Biogeography of planktonic bacterial communities across the whole Mediterranean Sea. *Ocean Science*, **2013**, 9, 585-595	4	20
133	Are drought-resistance promoting bacteria cross-compatible with different plant models?. *Plant Signaling and Behavior*, **2013**, 8,	2.5	68
132	Microbial symbionts: a resource for the management of insect-related problems. *Microbial Biotechnology*, **2012**, 5, 307-17	6.3	89
131	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
130	Mineral-microbe interactions: biotechnological potential of bioweathering. *Journal of Biotechnology*, **2012**, 157, 473-81	3.7	83
129	ULIXES, unravelling and exploiting Mediterranean Sea microbial diversity and ecology for xenobiotics and pollutants clean up. *Reviews in Environmental Science and Biotechnology*, **2012**, 11, 207-211	13.9	11
128	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
127	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
126	Microbial diversity in deep hypersaline anoxic basins **2012**, 21-36		6
125	Delayed larval development in Anopheles mosquitoes deprived of Asaia bacterial symbionts. *BMC Microbiology*, **2012**, 12 Suppl 1, S2	4.5	117
124	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
123	The Most Important Bacillus Species in Biotechnology **2012**, 329-345		11

122	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
121	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
120	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
119	Do mosquito-associated bacteria of the genus Asaia circulate in humans?. *European Journal of Clinical Microbiology and Infectious Diseases*, **2012**, 31, 1137-40	5.3	10
118	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
117	International Entomology. *American Entomologist*, **2012**, 58, 234-246	0.6	4
116	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
115	Genome sequence of Blastococcus saxobsidens DD2, a stone-inhabiting bacterium. *Journal of Bacteriology*, **2012**, 194, 2752-3	3.5	23
114	Genotypic diversity, antibiotic resistance and bacteriocin production of enterococci isolated from rhizospheres. *Microbes and Environments*, **2012**, 27, 533-7	2.6	8
113	A drought resistance-promoting microbiome is selected by root system under desert farming. *PLoS ONE*, **2012**, 7, e48479	3.7	291
112	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
111	'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
110	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
109	Gut microbiome dysbiosis and honeybee health. *Journal of Applied Entomology*, **2011**, 135, 524-533	1.7	104
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	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
106	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
105	Influence of transgenic Bt176 and non-transgenic corn silage on the structure of rumen bacterial communities. *Annals of Microbiology*, **2011**, 61, 925-930	3.2	10

104	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
103	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
102	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
101	Rock weathering creates oases of life in a high Arctic desert. *Environmental Microbiology*, **2010**, 12, 293-303	5.2	72
100	Alkalizing reactions streamline cellular metabolism in acidogenic microorganisms. *PLoS ONE*, **2010**, 5, e15520	3.7	26
99	Hindering biofilm formation with zosteric acid. *Biofouling*, **2010**, 26, 739-52	3.3	40
98	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
97	Sex and stripping: The key to the intimate relationship between Wolbachia and host?. *Communicative and Integrative Biology*, **2010**, 3, 110-5	1.7	13
96	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
95	Acetic acid bacteria, newly emerging symbionts of insects. *Applied and Environmental Microbiology*, **2010**, 76, 6963-70	4.8	212
94	Mosquito-bacteria symbiosis: the case of Anopheles gambiae and Asaia. *Microbial Ecology*, **2010**, 60, 644-54	4.4	103
93	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
92	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
91	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
90	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
89	Identification of molecular markers to follow up the bioremediation of sites contaminated with chlorinated compounds. *Methods in Molecular Biology*, **2010**, 668, 219-34	1.4	5
88	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
87	Acetobacter tropicalis is a major symbiont of the olive fruit fly (Bactrocera oleae). *Applied and Environmental Microbiology*, **2009**, 75, 3281-8	4.8	96

86	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
85	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
84	Characterization of polyvalent and safe Bacillus thuringiensis strains with potential use for biocontrol. *Journal of Basic Microbiology*, **2009**, 49, 293-303	2.7	27
83	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
82	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
81	Initial community evenness favours functionality under selective stress. *Nature*, **2009**, 458, 623-6	50.4	683
80	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
79	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
78	Biodiversity of prokaryotic communities in sediments of different sub-basins of the Venice lagoon. *Research in Microbiology*, **2009**, 160, 307-14	4	37
77	How to get more out of molecular fingerprints: practical tools for microbial ecology. *Environmental Microbiology*, **2008**, 10, 1571-81	5.2	388
76	Fluorescent-BOX-PCR for resolving bacterial genetic diversity, endemism and biogeography. *BMC Microbiology*, **2008**, 8, 220	4.5	20
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