

Robert Duran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

4,241
citations

38
h-index

55
g-index

176
ext. papers

5,098
ext. citations

5.3
avg, IF

5.34
L-index

#	Paper	IF	Citations
172	Unraveling ecological risk of As/Sb and other metal(loid)s and fungal community responses in As/Sb smelting-intensive zone: A typical case study of Southwest China. <i>Journal of Cleaner Production</i> , 2022 , 338, 130525	10.3	0
171	Microbial diversity alteration reveals biomarkers of contamination in soil-river-lake continuum. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126789	12.8	7
170	Metal(loid)s diffusion pathway triggers distinct microbiota responses in key regions of typical karst non-ferrous smelting assembly. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127164	12.8	3
169	Climate change influences chlorophylls and bacteriochlorophylls metabolism in hypersaline microbial mat. <i>Science of the Total Environment</i> , 2022 , 802, 149787	10.2	0
168	Comprehensive evaluation of metal(loid)s pollution risk and microbial activity characteristics in non-ferrous metal smelting contaminated site. <i>Journal of Cleaner Production</i> , 2022 , 344, 130999	10.3	0
167	Chlordecone-contaminated epilithic biofilms show increased adsorption capacities.. <i>Science of the Total Environment</i> , 2022 , 825, 153942	10.2	1
166	Legacy and dispersant influence microbial community dynamics in cold seawater contaminated by crude oil water accommodated fractions.. <i>Environmental Research</i> , 2022 , 113467	7.9	0
165	Biogeography, assembly processes and species coexistence patterns of microbial communities in metalloids-laden soils around mining and smelting sites.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127945	12.8	1
164	Relationships between microbial activity, enzyme activities and metal(loid) form in NiCu tailings area.. <i>Science of the Total Environment</i> , 2021 , 812, 152326	10.2	1
163	Enhanced pilot bioremediation of oily sludge from petroleum refinery disposal under hot-summer Mediterranean climate. <i>Environmental Technology and Innovation</i> , 2021 , 24, 102037	7	0
162	Changes in bacterial diversity of activated sludge exposed to titanium dioxide nanoparticles. <i>Biodegradation</i> , 2021 , 32, 313-326	4.1	2
161	Application of a biological multilevel response approach in the copepod <i>Acartia tonsa</i> for toxicity testing of three oil Water Accommodated Fractions. <i>Marine Environmental Research</i> , 2021 , 169, 105378	3.3	2
160	Novel arsenic hyper-resistant bacteria from an extreme environment, Crven Dol mine, Allchar, North Macedonia. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123437	12.8	3
159	Assessment of acid mist on mortar biodeterioration simulating the wall of Jardim da Princesa, the National Museum of Rio de Janeiro, Brazil. <i>International Biodeterioration and Biodegradation</i> , 2021 , 157, 105155	4.8	
158	Effect of organic and conventional farming on soil bacterial diversity of pecan tree (<i>Carya illinoensis</i> K. Kosh) orchard across two phenological stages. <i>Letters in Applied Microbiology</i> , 2021 , 72, 556-569	2.9	1
157	Fungi in PAH-contaminated marine sediments: Cultivable diversity and tolerance capacity towards PAH. <i>Marine Pollution Bulletin</i> , 2021 , 164, 112082	6.7	5
156	Development of molecular driven screening for desulfurizing microorganisms targeting the dszB desulfinase gene. <i>Research in Microbiology</i> , 2021 , 172, 103872	4	1

155	Toxic response of the freshwater green algae <i>Chlorella pyrenoidosa</i> to combined effect of flotation reagent butyl xanthate and nickel. <i>Environmental Pollution</i> , 2021 , 286, 117285	9.3	8
154	New insights in bacterial and eukaryotic diversity of microbial mats inhabiting exploited and abandoned salterns at the RÎland (France). <i>Microbiological Research</i> , 2021 , 252, 126854	5.3	2
153	Microbial community profiles in soils adjacent to mining and smelting areas: Contrasting potentially toxic metals and co-occurrence patterns. <i>Chemosphere</i> , 2021 , 282, 130992	8.4	8
152	Aerobic and oxygen-limited naphthalene-amended enrichments induced the dominance of <i>Pseudomonas</i> spp. from a groundwater bacterial biofilm. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 6023-6043	5.7	3
151	Modeling phaeopigment concentrations in water from a shallow mesotrophic lagoon. <i>Water Environment Research</i> , 2020 , 92, 612-621	2.8	2
150	Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil. <i>Chemosphere</i> , 2020 , 240, 124913	8.4	5
149	Alteration of mixture toxicity in nonferrous metal mine tailings treated by biochar. <i>Journal of Environmental Management</i> , 2020 , 265, 110511	7.9	7
148	Metagenomic exploration of multi-resistance genes linked to microbial attributes in active nonferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2020 , 273, 115667	9.3	5
147	Bacterial shifts during in-situ mineralization bio-treatment to non-ferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2019 , 255, 113165	9.3	6
146	Microbial Ecology of Marine Environments Chronically Polluted by Petroleum 2019 , 51-62		
145	Nonferrous metal (loid) s mediate bacterial diversity in an abandoned mine tailing impoundment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24806-24818	5.1	4
144	Comparison of flow regimes on biocorrosion of steel pipe weldments: Community composition and diversity of biofilms. <i>International Biodeterioration and Biodegradation</i> , 2019 , 143, 104717	4.8	8
143	Bacterial community assemblages in sediments under high anthropogenic pressure at Ichkeul Lake/Bizerte Lagoon hydrological system, Tunisia. <i>Environmental Pollution</i> , 2019 , 252, 644-656	9.3	11
142	Microbial activity and biodiversity responding to contamination of metal(loid) in heterogeneous nonferrous mining and smelting areas. <i>Chemosphere</i> , 2019 , 226, 659-667	8.4	15
141	Impact of Petroleum Contamination on Microbial Mats 2019 , 19-35		1
140	Bacterial diversity in typical abandoned multi-contaminated nonferrous metal(loid) tailings during natural attenuation. <i>Environmental Pollution</i> , 2019 , 247, 98-107	9.3	30
139	Cell wall damage and oxidative stress in <i>Candida albicans</i> ATCC10231 and <i>Aspergillus niger</i> caused by palladium nanoparticles. <i>Toxicology in Vitro</i> , 2018 , 48, 111-120	3.6	13
138	Impact of Petroleum Contamination on Microbial Mats 2018 , 1-17		1

137	Microbial Ecology of Marine Environments Chronically Polluted by Petroleum 2018 , 1-12		
136	Dynamics of particulate organic matter composition in coastal systems: Forcing of spatio-temporal variability at multi-systems scale. <i>Progress in Oceanography</i> , 2018 , 162, 271-289	3.8	15
135	Microcalorimetry and enzyme activity to determine the effect of nickel and sodium butyl xanthate on soil microbial community. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 163, 577-584	7	17
134	China's most typical nonferrous organic-metal facilities own specific microbial communities. <i>Scientific Reports</i> , 2018 , 8, 12570	4.9	16
133	Effect of sulfonylurea tribenuron methyl herbicide on soil Actinobacteria growth and characterization of resistant strains. <i>Brazilian Journal of Microbiology</i> , 2018 , 49, 79-86	2.2	11
132	Biodiversity and ecosystem purification service in an alluvial wetland. <i>Ecological Engineering</i> , 2017 , 103, 359-371	3.9	14
131	Recovering hydromorphological functionality to improve natural purification capacity of a highly human-modified wetland. <i>Ecological Engineering</i> , 2017 , 103, 332-343	3.9	4
130	Isolation, purification and chemical characterization of a new angucyclinone compound produced by a new halotolerant <i>Nocardopsis</i> sp. HR-4 strain. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 126	4.4	13
129	Bacterial diversity in fumarole environments of the Parícutí volcano, Michoacán (Mexico). <i>Extremophiles</i> , 2017 , 21, 499-511	3	18
128	Microbial Responses to Pollution—Ecotoxicology: Introducing the Different Biological Levels 2017 , 45-62		4
127	Distribution of organic contamination of sediments from Ichkeul Lake and Bizerte Lagoon, Tunisia. <i>Marine Pollution Bulletin</i> , 2017 , 123, 329-338	6.7	15
126	Oxidative damage to <i>Pseudomonas aeruginosa</i> ATCC 27833 and <i>Staphylococcus aureus</i> ATCC 24213 induced by CuO-NPs. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22048-22060	5.1	19
125	Variation of Oxygenation Conditions on a Hydrocarbonoclastic Microbial Community Reveals and Ecotypes. <i>Frontiers in Microbiology</i> , 2017 , 8, 1549	5.7	15
124	Comparative responses of river biofilms at the community level to common organic solvent and herbicide exposure. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4282-93	5.1	5
123	Pesticides in Ichkeul Lake-Bizerta Lagoon Watershed in Tunisia: use, occurrence, and effects on bacteria and free-living marine nematodes. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 36-48	5.1	17
122	Dynamics of particulate organic matter in a coastal system characterized by the occurrence of marine mucilage – A stable isotope study. <i>Journal of Sea Research</i> , 2016 , 116, 12-22	1.9	16
121	Role of environmental factors and microorganisms in determining the fate of polycyclic aromatic hydrocarbons in the marine environment. <i>FEMS Microbiology Reviews</i> , 2016 , 40, 814-830	15.1	113
120	Metatranscriptomes of oil-contaminated marine coastal sediment affected by oil addition and/or by the bioturbating activity of the marine polychaete <i>Hediste diversicolor</i> : Who are the microbial players?. <i>Marine Genomics</i> , 2016 , 29, 55-59	1.9	3

119	Effect of ZnO nanoparticles in the oxygen uptake during aerobic wastewater treatment. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	11
118	Chemical multi-contamination drives benthic prokaryotic diversity in the anthropized Toulon Bay. <i>Science of the Total Environment</i> , 2016 , 556, 319-29	10.2	52
117	Validation of an Adapted QuEChERS Method for the Simultaneous Analysis of Polycyclic Aromatic Hydrocarbons, Polychlorinated Biphenyls and Organochlorine Pesticides in Sediment by Gas Chromatography-Mass Spectrometry. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016	2.7	32
116	Chronic Polyaromatic Hydrocarbon (PAH) Contamination Is a Marginal Driver for Community Diversity and Prokaryotic Predicted Functioning in Coastal Sediments. <i>Frontiers in Microbiology</i> , 2016 , 7, 1303	5.7	23
115	Response of Core Microbial Consortia to Chronic Hydrocarbon Contaminations in Coastal Sediment Habitats. <i>Frontiers in Microbiology</i> , 2016 , 7, 1637	5.7	44
114	Exploring Actinobacteria assemblages in coastal marine sediments under contrasted Human influences in the West Istria Sea, Croatia. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15215-29	5.1	38
113	Bacteria-mediated reduction of As(V)-doped lepidocrocite in a flooded soil sample. <i>Chemical Geology</i> , 2015 , 406, 34-44	4.2	14
112	Integron diversity in marine environments. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15360-9	5.1	9
111	Dynamics of bacterial assemblages and removal of polycyclic aromatic hydrocarbons in oil-contaminated coastal marine sediments subjected to contrasted oxygen regimes. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15260-72	5.1	16
110	Effect of physical sediments reworking on hydrocarbon degradation and bacterial community structure in marine coastal sediments. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15248-59	5.1	18
109	Biodiversity and Microbial Ecosystems Functioning 2015 , 261-291		3
108	16S rRNA and As-Related Functional Diversity: Contrasting Fingerprints in Arsenic-Rich Sediments from an Acid Mine Drainage. <i>Microbial Ecology</i> , 2015 , 70, 154-67	4.4	17
107	Changes of benthic bacteria and meiofauna assemblages during bio-treatments of anthracene-contaminated sediments from Bizerta lagoon (Tunisia). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15319-31	5.1	19
106	Isolation and characterization of different bacterial strains for bioremediation of n-alkanes and polycyclic aromatic hydrocarbons. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15332-46	5.1	59
105	Use of dispersant in mudflat oil-contaminated sediment: behavior and effects of dispersed oil on micro- and macrobenthos. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15370-6	5.1	4
104	Environmental microbiology as a mosaic of explored ecosystems and issues. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13577-98	5.1	6
103	Integron diversity in bacterial communities of freshwater sediments at different contamination levels. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	18
102	Mudflat Benthic Spill Simulations. <i>Springer Protocols</i> , 2015 , 79-89	0.3	1

101	Dynamic of sulphate-reducing microorganisms in petroleum-contaminated marine sediments inhabited by the polychaete <i>Hediste diversicolor</i> . <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15273-84	5.1	9
100	Responses of a free-living benthic marine nematode community to bioremediation of a PAH mixture. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15307-18	5.1	9
99	Microbial diversity in Los Azufres geothermal field (Michoacán, Mexico) and isolation of representative sulfate and sulfur reducers. <i>Extremophiles</i> , 2014 , 18, 385-98	3	22
98	Biostimulation as an attractive technique to reduce phenanthrene toxicity for meiofauna and bacteria in lagoon sediment. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3670-9	5.1	20
97	Response of archaeal communities to oil spill in bioturbated mudflat sediments. <i>Microbial Ecology</i> , 2014 , 67, 108-19	4.4	33
96	Diversity and spatiotemporal dynamics of bacterial communities: physicochemical and other drivers along an acid mine drainage. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 247-63	4.3	51
95	Impacts of bioremediation schemes for the mitigation of a low-dose anthracene contamination on free-living marine benthic nematodes. <i>Ecotoxicology</i> , 2014 , 23, 201-12	2.9	5
94	Structure of hydrocarbonoclastic nitrate-reducing bacterial communities in bioturbated coastal marine sediments. <i>FEMS Microbiology Ecology</i> , 2014 , 89, 580-93	4.3	19
93	Benthic foraminifera from the deep-water Niger delta (Gulf of Guinea): Assessing present-day and past activity of hydrate pockmarks. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014 , 94, 87-106	2.5	23
92	<i>Desulfatiferula berrensis</i> sp. nov., a n-alkene-degrading sulfate-reducing bacterium isolated from estuarine sediments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 540-544	2.2	19
91	Simulation of Anoxic/Oxic Oscillations in Crude Oil-Degrading Bioreactors. <i>Springer Protocols</i> , 2014 , 103-119	1	1
90	Protocols for Mudflat and Algal Mat In Situ Analysis. <i>Springer Protocols</i> , 2014 , 305-317	0.3	2
89	Effect of CuO Nanoparticles over Isolated Bacterial Strains from Agricultural Soil. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-13	3.2	38
88	Marine coastal sediments microbial hydrocarbon degradation processes: contribution of experimental ecology in the omics'era. <i>Frontiers in Microbiology</i> , 2014 , 5, 39	5.7	50
87	Bacterial biodiversity from anthropogenic extreme environments: a hyper-alkaline and hyper-saline industrial residue contaminated by chromium and iron. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 369-78	5.7	24
86	Impact of a simulated oil spill on benthic phototrophs and nitrogen-fixing bacteria in mudflat mesocosms. <i>Environmental Microbiology</i> , 2013 , 15, 242-52	5.2	43
85	Microbial community responses to bioremediation treatments for the mitigation of low-dose anthracene in marine coastal sediments of Bizerte lagoon (Tunisia). <i>Environmental Science and Pollution Research</i> , 2013 , 20, 300-10	5.1	25
84	Removal of alachlor in anoxic soil slurries and related alteration of the active communities. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 1089-105	5.1	14

83	The roles of biological interactions and pollutant contamination in shaping microbial benthic community structure. <i>Chemosphere</i> , 2013 , 93, 2535-46	8.4	31
82	Changes in tolerance to herbicide toxicity throughout development stages of phototrophic biofilms. <i>Aquatic Toxicology</i> , 2013 , 144-145, 310-21	5.1	11
81	Dynamics of metabolically active bacterial communities involved in PAH and toxicity elimination from oil-contaminated sludge during anoxic/oxic oscillations. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 4199-211	5.7	16
80	Three-year survey of sulfate-reducing bacteria community structure in Carnoulès acid mine drainage (France), highly contaminated by arsenic. <i>FEMS Microbiology Ecology</i> , 2013 , 83, 724-37	4.3	37
79	Impact of oil on bacterial community structure in bioturbated sediments. <i>PLoS ONE</i> , 2013 , 8, e65347	3.7	50
78	Encyclopedia of Aquatic Ecotoxicology 2013 , 709-720		4
77	Ring-hydroxylating dioxygenase (RHD) expression in a microbial community during the early response to oil pollution. <i>FEMS Microbiology Ecology</i> , 2012 , 81, 506-506	4.3	1
76	Central role of dynamic tidal biofilms dominated by aerobic hydrocarbonoclastic bacteria and diatoms in the biodegradation of hydrocarbons in coastal mudflats. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 3638-48	4.8	73
75	Etude in vitro de l'impact de sédiments artificiellement contaminés par l'anthracène : effets sur les bactéries indigènes et les nématodes libres marins. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 556-564	1.3	4
74	Interactions between Zn and bacteria in marine tropical coastal sediments. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 879-92	5.1	7
73	Ring-hydroxylating dioxygenase (RHD) expression in a microbial community during the early response to oil pollution. <i>FEMS Microbiology Ecology</i> , 2012 , 80, 77-86	4.3	24
72	Genome sequence of the marine bacterium <i>Marinobacter hydrocarbonoclasticus</i> SP17, which forms biofilms on hydrophobic organic compounds. <i>Journal of Bacteriology</i> , 2012 , 194, 3539-40	3.5	35
71	A photosynthetic rotating annular bioreactor (Taylor-Couette type flow) for phototrophic biofilm cultures. <i>Water Research</i> , 2011 , 45, 6107-18	12.5	20
70	Role of environmental fluctuations and microbial diversity in degradation of hydrocarbons in contaminated sludge. <i>Research in Microbiology</i> , 2011 , 162, 888-95	4	28
69	Metabolic diversity among main microorganisms inside an arsenic-rich ecosystem revealed by meta- and proteo-genomics. <i>ISME Journal</i> , 2011 , 5, 1735-47	11.9	128
68	Are alkane hydroxylase genes (alkB) relevant to assess petroleum bioremediation processes in chronically polluted coastal sediments?. <i>Applied Microbiology and Biotechnology</i> , 2011 , 92, 835-44	5.7	47
67	Bacterial community composition characterization of a lead-contaminated <i>Microcoleus</i> sp. consortium. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1147-59	5.1	7
66	Effect of oxic/anoxic switches on bacterial communities and PAH biodegradation in an oil-contaminated sludge. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1022-32	5.1	25

65	Hexavalent chromium reduction by bacterial consortia and pure strains from an alkaline industrial effluent. <i>Journal of Applied Microbiology</i> , 2010 , 109, 2173-82	4.7	31
64	Nested PCR and new primers for analysis of sulfate-reducing bacteria in low-cell-biomass environments. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 2856-65	4.8	40
63	Marinobacter 2010 , 1725-1735		33
62	Molecular Profiling of Bacterial Communities via 16S rRNA Gene Based Approaches [Focus T-RFLP 2010 , 4113-4125		4
61	Bacterial community structure of sediments of the bizerte lagoon (Tunisia), a southern Mediterranean coastal anthropized lagoon. <i>Microbial Ecology</i> , 2010 , 59, 445-56	4.4	52
60	How a bacterial community originating from a contaminated coastal sediment responds to an oil input. <i>Microbial Ecology</i> , 2010 , 60, 394-405	4.4	62
59	Isolation and identification of a bacterium with high tolerance to lead and copper from a marine microbial mat in Spain. <i>Annals of Microbiology</i> , 2010 , 60, 113-120	3.2	29
58	Influence of microorganisms on the removal of nickel in tropical marine sediments (New Caledonia). <i>Marine Pollution Bulletin</i> , 2010 , 61, 530-41	6.7	9
57	Diuron biotransformation and its effects on biofilm bacterial community structure. <i>Chemosphere</i> , 2010 , 81, 837-43	8.4	32
56	Impact of Pollution on Microbial Mats 2010 , 2339-2348		9
55	Hydrocarbon Degradation in Coastal Muddy Areas and Anoxic Ecosystems (DHYVA Project): Role of Bacterial Mechanisms and Bioturbation Effects on the Biodisponibility of Organic Pollutants 2010 , 393-395		1
54	Impact of Hydrocarbons on Marine Microbial Communities 2010 , 335-339		
53	First gene cassettes of integrons as targets in finding adaptive genes in metagenomes. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3823-5	4.8	13
52	A case study of in situ oil contamination in a mangrove swamp (Rio De Janeiro, Brazil). <i>Marine Pollution Bulletin</i> , 2009 , 58, 418-23	6.7	37
51	Comparative effects of mercury contamination and wastewater effluent input on Gram-negative merA gene abundance in mudflats of an anthropized estuary (Seine, France): a microcosm approach. <i>Research in Microbiology</i> , 2009 , 160, 10-8	4	14
50	Overview of Mercury Methylation Capacities among Anaerobic Bacteria Including Representatives of the Sulphate-Reducers: Implications for Environmental Studies. <i>Geomicrobiology Journal</i> , 2009 , 26, 1-8	2.5	98
49	Diversity of ring-hydroxylating dioxygenases in pristine and oil contaminated microbial mats at genomic and transcriptomic levels. <i>Environmental Microbiology</i> , 2008 , 10, 3201-11	5.2	44
48	Characterization of aerobic polycyclic aromatic hydrocarbon-degrading bacteria from Bizerte lagoon sediments, Tunisia. <i>Journal of Applied Microbiology</i> , 2008 , 104, 987-97	4.7	82

47	Characterization of <i>Desulfomicrobium salsuginis</i> sp. nov. and <i>Desulfomicrobium aestuarii</i> sp. nov., two new sulfate-reducing bacteria isolated from the Adour estuary (French Atlantic coast) with specific mercury methylation potentials. <i>Systematic and Applied Microbiology</i> , 2008 , 31, 30-7	4.2	40
46	Mercury methylation by a microbial community from sediments of the Adour Estuary (Bay of Biscay, France). <i>Environmental Pollution</i> , 2008 , 156, 951-8	9.3	48
45	Temporal variations of microbial activity and diversity in marine tropical sediments (New Caledonia lagoon). <i>Microbial Ecology</i> , 2008 , 55, 247-58	4.4	30
44	Molecular analysis of the spatio-temporal distribution of sulfate-reducing bacteria (SRB) in Camargue (France) hypersaline microbial mat. <i>Microbial Ecology</i> , 2008 , 56, 90-100	4.4	31
43	Archaeal diversity in a Fe-As rich acid mine drainage at Carnoulès (France). <i>Extremophiles</i> , 2008 , 12, 563-71		40
42	Structure of bacterial communities along a hydrocarbon contamination gradient in a coastal sediment. <i>FEMS Microbiology Ecology</i> , 2008 , 66, 295-305	4.3	111
41	Effects of heavy fuel oil on the bacterial community structure of a pristine microbial mat. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 6089-97	4.8	117
40	<i>Rhodobium pfennigii</i> sp. nov., a phototrophic purple non-sulfur bacterium with unusual bacteriochlorophyll a antennae, isolated from a brackish microbial mat on Rangiroa atoll, French Polynesia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007 , 57, 1250-1255	2.2	16
39	Bacterial community structure along the Adour estuary (French Atlantic coast): influence of salinity gradient versus metal contamination. <i>Aquatic Microbial Ecology</i> , 2007 , 49, 47-56	1.1	14
38	Seasonal and diel distributions of denitrifying and bacterial communities in a hypersaline microbial mat (Camargue, France). <i>Water Research</i> , 2007 , 41, 3407-19	12.5	66
37	Alkane biodegradation and dynamics of phylogenetic subgroups of sulfate-reducing bacteria in an anoxic coastal marine sediment artificially contaminated with oil. <i>Chemosphere</i> , 2007 , 68, 1327-34	8.4	54
36	Simulation of the chemical fate and bioavailability of liquid elemental mercury drops from gold mining in Amazonian freshwater systems. <i>Environmental Science & Technology</i> , 2007 , 41, 7322-9	10.3	32
35	Impact of zinc and nickel on oxygen consumption of benthic microbial communities assessed with microsensors. <i>Science of the Total Environment</i> , 2006 , 367, 302-11	10.2	12
34	Diversity of microorganisms in Fe-As-rich acid mine drainage waters of Carnoulès, France. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 551-6	4.8	116
33	A new bacterial strain mediating As oxidation in the Fe-rich biofilm naturally growing in a groundwater Fe treatment pilot unit. <i>Chemosphere</i> , 2006 , 64, 492-6	8.4	18
32	Characterization of hydrocarbonoclastic bacterial communities from mangrove sediments in Guanabara Bay, Brazil. <i>Research in Microbiology</i> , 2006 , 157, 752-62	4	142
31	Vertical migration of phototrophic bacterial populations in a hypersaline microbial mat from Salins-de-Giraud (Camargue, France). <i>FEMS Microbiology Ecology</i> , 2006 , 57, 367-77	4.3	51
30	Molecular diversity studies of bacterial communities of oil polluted microbial mats from the Etang de Berre (France). <i>FEMS Microbiology Ecology</i> , 2006 , 58, 550-62	4.3	68

29	Characterization of purple sulfur bacteria from the South Andros Black Hole cave system: highlights taxonomic problems for ecological studies among the genera Allochromatium and Thiocapsa. <i>Environmental Microbiology</i> , 2005 , 7, 1260-8	5.2	18
28	Microbial Diversity in a Pyrite-Rich Tailings Impoundment (Carnoulès, France). <i>Geomicrobiology Journal</i> , 2005 , 22, 249-257	2.5	41
27	Degradation of the Erika oil. <i>Aquatic Living Resources</i> , 2004 , 17, 261-267	1.5	32
26	Analysis of the adaptation to alkanes of the marine bacterium <i>Marinobacter hydrocarbonoclasticus</i> sp. nov. by two dimensional gel electrophoresis. <i>Aquatic Living Resources</i> , 2004 , 17, 269-272	1.5	1
25	<i>Rhodococcus pyridinovorans</i> MW3, a bacterium producing a nitrile hydratase. <i>Biotechnology Letters</i> , 2004 , 26, 1379-84	3	21
24	Mercury methylation/demethylation and volatilization pathways in estuarine sediment slurries using species-specific enriched stable isotopes. <i>Marine Chemistry</i> , 2004 , 90, 107-123	3.7	105
23	Characterization of functional bacterial groups in a hypersaline microbial mat community (Salins-de-Giraud, Camargue, France). <i>FEMS Microbiology Ecology</i> , 2004 , 51, 55-70	4.3	104
22	Structure and functional analyses of bacterial communities changes in microbial mats following petroleum exposure. <i>Ophelia</i> , 2004 , 58, 195-203		40
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