

# Robert Duran

## List of Publications by Citations

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172  
papers

4,241  
citations

38  
h-index

55  
g-index

176  
ext. papers

5,098  
ext. citations

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L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 172 | Characterization of hydrocarbonoclastic bacterial communities from mangrove sediments in Guanabara Bay, Brazil. <i>Research in Microbiology</i> , <b>2006</b> , 157, 752-62   | 4    | 142       |
| 171 | Metabolic diversity among main microorganisms inside an arsenic-rich ecosystem revealed by meta- and proteo-genomics. <i>ISME Journal</i> , <b>2011</b> , 5, 1735-47  | 11.9 | 128       |
| 170 | Effects of heavy fuel oil on the bacterial community structure of a pristine microbial mat. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 6089-97   | 4.8  | 117       |
| 169 | Diversity of microorganisms in Fe-As-rich acid mine drainage waters of Carnoulès, France. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 551-6   | 4.8  | 116       |
| 168 | Role of environmental factors and microorganisms in determining the fate of polycyclic aromatic hydrocarbons in the marine environment. <i>FEMS Microbiology Reviews</i> , <b>2016</b> , 40, 814-830                                      | 15.1 | 113       |
| 167 | Structure of bacterial communities along a hydrocarbon contamination gradient in a coastal sediment. <i>FEMS Microbiology Ecology</i> , <b>2008</b> , 66, 295-305   | 4.3  | 111       |
| 166 | Mercury methylation/demethylation and volatilization pathways in estuarine sediment slurries using species-specific enriched stable isotopes. <i>Marine Chemistry</i> , <b>2004</b> , 90, 107-123   | 3.7  | 105       |
| 165 | Characterization of functional bacterial groups in a hypersaline microbial mat community (Salins-de-Giraud, Camargue, France). <i>FEMS Microbiology Ecology</i> , <b>2004</b> , 51, 55-70   | 4.3  | 104       |
| 164 | Overview of Mercury Methylation Capacities among Anaerobic Bacteria Including Representatives of the Sulphate-Reducers: Implications for Environmental Studies. <i>Geomicrobiology Journal</i> , <b>2009</b> , 26, 1-8                    | 2.5  | 98        |
| 163 | Characterization of aerobic polycyclic aromatic hydrocarbon-degrading bacteria from Bizerte lagoon sediments, Tunisia. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 987-97   | 4.7  | 82        |
| 162 | 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> , <b>2012</b> , 78, 3638-48 | 4.8  | 73        |
| 161 | Molecular diversity studies of bacterial communities of oil polluted microbial mats from the Etang de Berre (France). <i>FEMS Microbiology Ecology</i> , <b>2006</b> , 58, 550-62   | 4.3  | 68        |
| 160 | Microbial mats on the Orkney Islands revisited: microenvironment and microbial community composition. <i>Microbial Ecology</i> , <b>2003</b> , 46, 371-90   | 4.4  | 68        |
| 159 | Seasonal and diel distributions of denitrifying and bacterial communities in a hypersaline microbial mat (Camargue, France). <i>Water Research</i> , <b>2007</b> , 41, 3407-19  | 12.5 | 66        |
| 158 | How a bacterial community originating from a contaminated coastal sediment responds to an oil input. <i>Microbial Ecology</i> , <b>2010</b> , 60, 394-405   | 4.4  | 62        |
| 157 | Isolation and characterization of different bacterial strains for bioremediation of n-alkanes and polycyclic aromatic hydrocarbons. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15332-46                      | 5.1  | 59        |
| 156 | Rapid and specific identification of nitrile hydratase (NHase)-encoding genes in soil samples by polymerase chain reaction. <i>FEMS Microbiology Letters</i> , <b>2001</b> , 204, 155-61  | 2.9  | 56        |

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|-----|---|------|----|
| 155 | Alkane biodegradation and dynamics of phylogenetic subgroups of sulfate-reducing bacteria in an anoxic coastal marine sediment artificially contaminated with oil. <i>Chemosphere</i> , <b>2007</b> , 68, 1327-34   | 8.4  | 54 |
| 154 | Chemical multi-contamination drives benthic prokaryotic diversity in the anthropized Toulon Bay. <i>Science of the Total Environment</i> , <b>2016</b> , 556, 319-29  | 10.2 | 52 |
| 153 | Bacterial community structure of sediments of the bizerte lagoon (Tunisia), a southern Mediterranean coastal anthropized lagoon. <i>Microbial Ecology</i> , <b>2010</b> , 59, 445-56  | 4.4  | 52 |
| 152 | Diversity and spatiotemporal dynamics of bacterial communities: physicochemical and other drivers along an acid mine drainage. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 90, 247-63  | 4.3  | 51 |
| 151 | Purification, characterisation, and gene cloning of transglutaminase from <i>Streptoverticillium cinnamoneum</i> CBS 683.68. <i>Biochimie</i> , <b>1998</b> , 80, 313-9   | 4.6  | 51 |
| 150 | Vertical migration of phototrophic bacterial populations in a hypersaline microbial mat from Salins-de-Giraud (Camargue, France). <i>FEMS Microbiology Ecology</i> , <b>2006</b> , 57, 367-77   | 4.3  | 51 |
| 149 | Marine coastal sediments microbial hydrocarbon degradation processes: contribution of experimental ecology in the omics'era. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 39   | 5.7  | 50 |
| 148 | Impact of oil on bacterial community structure in bioturbated sediments. <i>PLoS ONE</i> , <b>2013</b> , 8, e65347  | 3.7  | 50 |
| 147 | Mercury methylation by a microbial community from sediments of the Adour Estuary (Bay of Biscay, France). <i>Environmental Pollution</i> , <b>2008</b> , 156, 951-8   | 9.3  | 48 |
| 146 | Are alkane hydroxylase genes (alkB) relevant to assess petroleum bioremediation processes in chronically polluted coastal sediments?. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 92, 835-44  | 5.7  | 47 |
| 145 | Rapid identification of <i>Listeria</i> species by using restriction fragment length polymorphism of PCR-amplified 23S rRNA gene fragments. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 6386-92   | 4.8  | 46 |
| 144 | Characterization of nitrile hydratase genes cloned by DNA screening from <i>Rhodococcus erythropolis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1993</b> , 57, 1323-8   | 2.1  | 46 |
| 143 | Diversity of ring-hydroxylating dioxygenases in pristine and oil contaminated microbial mats at genomic and transcriptomic levels. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 3201-11  | 5.2  | 44 |
| 142 | Response of Core Microbial Consortia to Chronic Hydrocarbon Contaminations in Coastal Sediment Habitats. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1637   | 5.7  | 44 |
| 141 | Impact of a simulated oil spill on benthic phototrophs and nitrogen-fixing bacteria in mudflat mesocosms. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 242-52  | 5.2  | 43 |
| 140 | Microbial Diversity in a Pyrite-Rich Tailings Impoundment (Carnoulès, France). <i>Geomicrobiology Journal</i> , <b>2005</b> , 22, 249-257   | 2.5  | 41 |
| 139 | Nested PCR and new primers for analysis of sulfate-reducing bacteria in low-cell-biomass environments. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 2856-65  | 4.8  | 40 |
| 138 | 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> , <b>2008</b> , 31, 30-7 | 4.2  | 40 |

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|-----|---|---------|
| 137 | Archaeal diversity in a Fe-As rich acid mine drainage at Carnoulès (France). <i>Extremophiles</i> , <b>2008</b> , 12, 563-71  | 40      |
| 136 | Structure and functional analyses of bacterial communities changes in microbial mats following petroleum exposure. <i>Ophelia</i> , <b>2004</b> , 58, 195-203   | 40      |
| 135 | Exploring Actinobacteria assemblages in coastal marine sediments under contrasted Human influences in the West Istria Sea, Croatia. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15215-29  | 38      |
| 134 | Effect of CuO Nanoparticles over Isolated Bacterial Strains from Agricultural Soil. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-13  | 3.2 38  |
| 133 | Three-year survey of sulfate-reducing bacteria community structure in Carnoulès acid mine drainage (France), highly contaminated by arsenic. <i>FEMS Microbiology Ecology</i> , <b>2013</b> , 83, 724-37  | 4.3 37  |
| 132 | A case study of in situ oil contamination in a mangrove swamp (Rio De Janeiro, Brazil). <i>Marine Pollution Bulletin</i> , <b>2009</b> , 58, 418-23   | 6.7 37  |
| 131 | Genome sequence of the marine bacterium <i>Marinobacter hydrocarbonoclasticus</i> SP17, which forms biofilms on hydrophobic organic compounds. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 3539-40  | 3.5 35  |
| 130 | Response of archaeal communities to oil spill in bioturbated mudflat sediments. <i>Microbial Ecology</i> , <b>2014</b> , 67, 108-19   | 4.4 33  |
| 129 | <i>Marinobacter</i> <b>2010</b> , 1725-1735   | 33      |
| 128 | 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> , <b>2016</b> , 96, 678-84   | 2.7 32  |
| 127 | Diuron biotransformation and its effects on biofilm bacterial community structure. <i>Chemosphere</i> , <b>2010</b> , 81, 837-43  | 8.4 32  |
| 126 | Simulation of the chemical fate and bioavailability of liquid elemental mercury drops from gold mining in Amazonian freshwater systems. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 7322-9  | 10.3 32 |
| 125 | Degradation of the Erika oil. <i>Aquatic Living Resources</i> , <b>2004</b> , 17, 261-267   | 1.5 32  |
| 124 | Characterization of three spiral-shaped purple nonsulfur bacteria isolated from coastal lagoon sediments, saline sulfur springs, and microbial mats: emended description of the genus <i>Roseospira</i> and description of <i>Roseospira marina</i> sp. nov., <i>Roseospira navarrensis</i> sp. nov., and <i>Roseospira thiosulfatophila</i> sp. nov. <i>Archives of Microbiology</i> , <b>2002</b> , 176, 315-24 | 3 32    |
| 123 | The roles of biological interactions and pollutant contamination in shaping microbial benthic community structure. <i>Chemosphere</i> , <b>2013</b> , 93, 2535-46   | 8.4 31  |
| 122 | Hexavalent chromium reduction by bacterial consortia and pure strains from an alkaline industrial effluent. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 109, 2173-82   | 4.7 31  |
| 121 | Molecular analysis of the spatio-temporal distribution of sulfate-reducing bacteria (SRB) in Camargue (France) hypersaline microbial mat. <i>Microbial Ecology</i> , <b>2008</b> , 56, 90-100   | 4.4 31  |
| 120 | Optimization of microbial transglutaminase production using experimental designs. <i>Applied Microbiology and Biotechnology</i> , <b>1997</b> , 48, 730-734   | 5.7 30  |

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|-----|--|------|----|
| 119 | Temporal variations of microbial activity and diversity in marine tropical sediments (New Caledonia lagoon). <i>Microbial Ecology</i> , <b>2008</b> , 55, 247-58   | 4.4  | 30 |
| 118 | Bacterial diversity in typical abandoned multi-contaminated nonferrous metal(loid) tailings during natural attenuation. <i>Environmental Pollution</i> , <b>2019</b> , 247, 98-107   | 9.3  | 30 |
| 117 | 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> , <b>2010</b> , 60, 113-120   | 3.2  | 29 |
| 116 | Role of environmental fluctuations and microbial diversity in degradation of hydrocarbons in contaminated sludge. <i>Research in Microbiology</i> , <b>2011</b> , 162, 888-95  | 4    | 28 |
| 115 | In vivo occurrence of carbonyl residues in Phaseolus vulgaris proteins as a direct consequence of a chronic ozone stress. <i>Plant Physiology and Biochemistry</i> , <b>2000</b> , 38, 853-861   | 5.4  | 26 |
| 114 | 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> , <b>2013</b> , 20, 300-10 | 5.1  | 25 |
| 113 | Effect of oxic/anoxic switches on bacterial communities and PAH biodegradation in an oil-contaminated sludge. <i>Environmental Science and Pollution Research</i> , <b>2011</b> , 18, 1022-32  | 5.1  | 25 |
| 112 | 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> , <b>2013</b> , 97, 369-78             | 5.7  | 24 |
| 111 | Ring-hydroxylating dioxygenase (RHD) expression in a microbial community during the early response to oil pollution. <i>FEMS Microbiology Ecology</i> , <b>2012</b> , 80, 77-86  | 4.3  | 24 |
| 110 | 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> , <b>2014</b> , 94, 87-106               | 2.5  | 23 |
| 109 | Chronic Polyaromatic Hydrocarbon (PAH) Contamination Is a Marginal Driver for Community Diversity and Prokaryotic Predicted Functioning in Coastal Sediments. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1303                       | 5.7  | 23 |
| 108 | Microbial diversity in Los Azufres geothermal field (Michoacán, Mexico) and isolation of representative sulfate and sulfur reducers. <i>Extremophiles</i> , <b>2014</b> , 18, 385-98   | 3    | 22 |
| 107 | Rhodococcus pyridinovorans MW3, a bacterium producing a nitrile hydratase. <i>Biotechnology Letters</i> , <b>2004</b> , 26, 1379-84  | 3    | 21 |
| 106 | Biostimulation as an attractive technique to reduce phenanthrene toxicity for meiofauna and bacteria in lagoon sediment. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 3670-9                                      | 5.1  | 20 |
| 105 | A photosynthetic rotating annular bioreactor (Taylor-Couette type flow) for phototrophic biofilm cultures. <i>Water Research</i> , <b>2011</b> , 45, 6107-18   | 12.5 | 20 |
| 104 | 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> , <b>2015</b> , 22, 15319-31             | 5.1  | 19 |
| 103 | Structure of hydrocarbonoclastic nitrate-reducing bacterial communities in bioturbated coastal marine sediments. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 89, 580-93   | 4.3  | 19 |
| 102 | Desulfatiferula berrensensis sp. nov., a n-alkene-degrading sulfate-reducing bacterium isolated from estuarine sediments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2014</b> , 64, 540-544               | 2.2  | 19 |

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| 101 | 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> , <b>2017</b> , 24, 22048-22060   | 5.1 | 19 |
| 100 | Bacterial diversity in fumarole environments of the Parícutí volcano, Michoacán (Mexico). <i>Extremophiles</i> , <b>2017</b> , 21, 499-511   | 3   | 18 |
| 99  | Effect of physical sediments reworking on hydrocarbon degradation and bacterial community structure in marine coastal sediments. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15248-59  | 5.1 | 18 |
| 98  | Integron diversity in bacterial communities of freshwater sediments at different contamination levels. <i>FEMS Microbiology Ecology</i> , <b>2015</b> , 91,  | 4.3 | 18 |
| 97  | A new bacterial strain mediating As oxidation in the Fe-rich biofilm naturally growing in a groundwater Fe treatment pilot unit. <i>Chemosphere</i> , <b>2006</b> , 64, 492-6  | 8.4 | 18 |
| 96  | Characterization of purple sulfur bacteria from the South Andros Black Hole cave system: highlights taxonomic problems for ecological studies among the genera <i>Allochromatium</i> and <i>Thiocapsa</i> . <i>Environmental Microbiology</i> , <b>2005</b> , 7, 1260-8  | 5.2 | 18 |
| 95  | 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> , <b>2016</b> , 23, 36-48   | 5.1 | 17 |
| 94  | 16S rRNA and As-Related Functional Diversity: Contrasting Fingerprints in Arsenic-Rich Sediments from an Acid Mine Drainage. <i>Microbial Ecology</i> , <b>2015</b> , 70, 154-67   | 4.4 | 17 |
| 93  | Microcalorimetry and enzyme activity to determine the effect of nickel and sodium butyl xanthate on soil microbial community. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 577-584   | 7   | 17 |
| 92  | 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> , <b>2015</b> , 22, 15260-72  | 5.1 | 16 |
| 91  | 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> , <b>2016</b> , 116, 12-22  | 1.9 | 16 |
| 90  | China's most typical nonferrous organic-metal facilities own specific microbial communities. <i>Scientific Reports</i> , <b>2018</b> , 8, 12570  | 4.9 | 16 |
| 89  | 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> , <b>2013</b> , 97, 4199-211   | 5.7 | 16 |
| 88  | <i>Rhodobium pfennigii</i> sp. nov., a phototrophic purple non-sulfur bacterium with unusual bacteriochlorophyll <i>a</i> antennae, isolated from a brackish microbial mat on Rangiroa atoll, French Polynesia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 1250-1255 | 2.2 | 16 |
| 87  | Microbial activity and biodiversity responding to contamination of metal(loid) in heterogeneous nonferrous mining and smelting areas. <i>Chemosphere</i> , <b>2019</b> , 226, 659-667  | 8.4 | 15 |
| 86  | Dynamics of particulate organic matter composition in coastal systems: Forcing of spatio-temporal variability at multi-systems scale. <i>Progress in Oceanography</i> , <b>2018</b> , 162, 271-289   | 3.8 | 15 |
| 85  | Distribution of organic contamination of sediments from Ichkeul Lake and Bizerte Lagoon, Tunisia. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 123, 329-338  | 6.7 | 15 |
| 84  | Variation of Oxygenation Conditions on a Hydrocarbonoclastic Microbial Community Reveals and Ecotypes. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1549  | 5.7 | 15 |

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|----|--|------|----|
| 83 | Cloning vectors and antibiotic-resistance markers for <i>Brevibacterium</i> sp. R312. <i>Gene</i> , <b>1991</b> , 105, 119-24  | 3.8  | 15 |
| 82 | Biodiversity and ecosystem purification service in an alluvial wetland. <i>Ecological Engineering</i> , <b>2017</b> , 103, 359-371   | 3.9  | 14 |
| 81 | Bacteria-mediated reduction of As(V)-doped lepidocrocite in a flooded soil sample. <i>Chemical Geology</i> , <b>2015</b> , 406, 34-44  | 4.2  | 14 |
| 80 | Removal of alachlor in anoxic soil slurries and related alteration of the active communities. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 1089-105   | 5.1  | 14 |
| 79 | 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> , <b>2009</b> , 160, 10-8 | 4    | 14 |
| 78 | Bacterial community structure along the Adour estuary (French Atlantic coast): influence of salinity gradient versus metal contamination. <i>Aquatic Microbial Ecology</i> , <b>2007</b> , 49, 47-56   | 1.1  | 14 |
| 77 | 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> , <b>2017</b> , 33, 126                | 4.4  | 13 |
| 76 | 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> , <b>2018</b> , 48, 111-120  | 3.6  | 13 |
| 75 | First gene cassettes of integrons as targets in finding adaptive genes in metagenomes. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 3823-5  | 4.8  | 13 |
| 74 | Phenolic Pattern of Bean ( <i>Phaseolus vulgaris</i> L.) as an Indicator of Chronic Ozone Stress. <i>Water, Air, and Soil Pollution</i> , <b>1998</b> , 106, 355-368   | 2.6  | 13 |
| 73 | Impact of zinc and nickel on oxygen consumption of benthic microbial communities assessed with microsensors. <i>Science of the Total Environment</i> , <b>2006</b> , 367, 302-11   | 10.2 | 12 |
| 72 | Construction of a new shuttle vector for <i>Lactobacillus</i> . <i>Canadian Journal of Microbiology</i> , <b>1992</b> , 38, 69-74  | 3.2  | 12 |
| 71 | Bacterial community assemblages in sediments under high anthropogenic pressure at Ichkeul Lake/Bizerte Lagoon hydrological system, Tunisia. <i>Environmental Pollution</i> , <b>2019</b> , 252, 644-656  | 9.3  | 11 |
| 70 | Effect of ZnO nanoparticles in the oxygen uptake during aerobic wastewater treatment. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1  | 2.3  | 11 |
| 69 | Changes in tolerance to herbicide toxicity throughout development stages of phototrophic biofilms. <i>Aquatic Toxicology</i> , <b>2013</b> , 144-145, 310-21   | 5.1  | 11 |
| 68 | Electrotransformation of whole cells of <i>Brevibacterium</i> sp. R312 a nitrile hydratase producing strain: Construction of a cloning vector. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 81, 177-183  | 2.9  | 11 |
| 67 | The N-terminal amino acid sequences of <i>Brevibacterium</i> sp. R312 nitrile hydratase. <i>Journal of Basic Microbiology</i> , <b>1992</b> , 32, 13-9   | 2.7  | 11 |
| 66 | Effect of sulfonylurea tribenuron methyl herbicide on soil Actinobacteria growth and characterization of resistant strains. <i>Brazilian Journal of Microbiology</i> , <b>2018</b> , 49, 79-86   | 2.2  | 11 |

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| 65 | Integron diversity in marine environments. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15360-9  | 9    | 9 |
| 64 | 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> , <b>2015</b> , 22, 15273-84 | 5.1  | 9 |
| 63 | Responses of a free-living benthic marine nematode community to bioremediation of a PAH mixture. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 15307-18   | 5.1  | 9 |
| 62 | Influence of microorganisms on the removal of nickel in tropical marine sediments (New Caledonia). <i>Marine Pollution Bulletin</i> , <b>2010</b> , 61, 530-41  | 6.7  | 9 |
| 61 | Impact of Pollution on Microbial Mats <b>2010</b> , 2339-2348   |      | 9 |
| 60 | Comparison of flow regimes on biocorrosion of steel pipe weldments: Community composition and diversity of biofilms. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 143, 104717                         | 4.8  | 8 |
| 59 | Degradation of chlorophenols by <i>Phanerochaete chrysosporium</i> : effect of 3,4-dichlorophenol on extracellular peroxidase activities. <i>Applied Microbiology and Biotechnology</i> , <b>2002</b> , 59, 284-8                 | 5.7  | 8 |
| 58 | N-terminal amino acid sequence of <i>Brevibacterium</i> sp. R312 wide-spectrum amidase. <i>Applied Microbiology and Biotechnology</i> , <b>1991</b> , 36, 205-7   | 5.7  | 8 |
| 57 | 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> , <b>2021</b> , 286, 117285                           | 9.3  | 8 |
| 56 | Microbial community profiles in soils adjacent to mining and smelting areas: Contrasting potentially toxic metals and co-occurrence patterns. <i>Chemosphere</i> , <b>2021</b> , 282, 130992                                      | 8.4  | 8 |
| 55 | Interactions between Zn and bacteria in marine tropical coastal sediments. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 879-92   | 5.1  | 7 |
| 54 | Bacterial community composition characterization of a lead-contaminated <i>Microcoleus</i> sp. consortium. <i>Environmental Science and Pollution Research</i> , <b>2011</b> , 18, 1147-59  | 5.1  | 7 |
| 53 | New shuttle vectors for <i>Rhodococcus</i> sp. R312 (formerly <i>Brevibacterium</i> sp. R312), a nitrile hydratase producing strain. <i>Journal of Basic Microbiology</i> , <b>1998</b> , 38, 101-106                             | 2.7  | 7 |
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| 47 | Comparative responses of river biofilms at the community level to common organic solvent and herbicide exposure. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4282-93  | 5.1  | 5 |
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| 45 | Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil. <i>Chemosphere</i> , <b>2020</b> , 240, 124913   | 8.4  | 5 |
| 44 | Metagenomic exploration of multi-resistance genes linked to microbial attributes in active nonferrous metal(loid) tailings. <i>Environmental Pollution</i> , <b>2020</b> , 273, 115667  | 9.3  | 5 |
| 43 | Fungi in PAH-contaminated marine sediments: Cultivable diversity and tolerance capacity towards PAH. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 164, 112082   | 6.7  | 5 |
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| 18 | Analysis of the adaptation to alkanes of the marine bacterium <i>Marinobacter hydrocarbonoclasticus</i> sp. 17 by two dimensional gel electrophoresis. <i>Aquatic Living Resources</i> , <b>2004</b> , 17, 269-272                  | 1.5  | 1 |
| 17 | Mercury methylation rates in coastal sediments versus microbial diversity and specific activity. <i>European Physical Journal Special Topics</i> , <b>2003</b> , 107, 883-886   |      | 1 |
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| 12 | 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> , <b>2021</b> , 72, 556-569 | 2.9  | 1 |

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| 10 | Chlordecone-contaminated epilithic biofilms show increased adsorption capacities.. <i>Science of the Total Environment</i> , <b>2022</b> , 825, 153942  | 10.2 | 1 |
| 9  | 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> , <b>2022</b> , 338, 130525 | 10.3 | 0 |
| 8  | Enhanced pilot bioremediation of oily sludge from petroleum refinery disposal under hot-summer Mediterranean climate. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 102037                                       | 7    | 0 |
| 7  | Climate change influences chlorophylls and bacteriochlorophylls metabolism in hypersaline microbial mat. <i>Science of the Total Environment</i> , <b>2022</b> , 802, 149787  | 10.2 | 0 |
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| 3  | Microbial Ecology of Marine Environments Chronically Polluted by Petroleum <b>2018</b> , 1-12   |      |   |
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