# Ian M Head

List of Publications by Year
in descending order



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|---|---|---|---|
| 155 papers | 16,408 citations | 16411 64 h-index | 16127 124 g-index |
| 193 all docs | 193 docs citations | 193 times ranked | 14609 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An underappreciated DIET for anaerobic petroleum hydrocarbonâ€degrading microbial communities. Microbial Biotechnology, 2021, 14, 2-7. | 2.0 | 16 |
| 2 | Enhanced bio-production from CO<sub>2</sub>by microbial electrosynthesis (MES) with continuous operational mode. Faraday Discussions, 2021, 230, 344-359. | 1.6 | 8 |
| 3 | Syntrophic Hydrocarbon Degradation in a Decommissioned Off-Shore Subsea Oil Storage Structure. Microorganisms, 2021, 9, 356. | 1.6 | 7 |
| 4 | Identity and hydrocarbon degradation activity of enriched microorganisms from natural oil and asphalt seeps in the Kurdistan Region of Iraq (KRI). Biodegradation, 2021, 32, 251-271. | 1.5 | 4 |
| 5 | Zinc removal and recovery from industrial wastewater with a microbial fuel cell: Experimental investigation and theoretical prediction. Science of the Total Environment, 2021, 776, 145934. | 3.9 | 36 |
| 6 | No re-calibration required? Stability of a bioelectrochemical sensor for biodegradable organic matter over 800 days. Biosensors and Bioelectronics, 2021, 190, 113392. | 5.3 | 8 |
| 7 | Sediment cooling triggers germination and sulfate reduction by heatâ€resistant thermophilic sporeâ€forming bacteria. Environmental Microbiology, 2020, 22, 456-465. | 1.8 | 20 |
| 8 | A microbial fuel cell sensor for unambiguous measurement of organic loading and definitive identification of toxic influents. Environmental Science: Water Research and Technology, 2020, 6, 612-621. | 1.2 | 13 |
| 9 | Comparison of sulfideâ€oxidizing Sulfurimonas strains reveals a new mode of thiosulfate formation in subsurface environments. Environmental Microbiology, 2020, 22, 1784-1800. | 1.8 | 27 |
| 10 | Parameters influencing the development of highly conductive and efficient biofilm during microbial electrosynthesis: the importance of applied potential and inorganic carbon source. Npj Biofilms and Microbiomes, 2020, 6, 40. | 2.9 | 45 |
| 11 | Methanogenic crude oil-degrading microbial consortia are not universally abundant in anoxic environments. International Biodeterioration and Biodegradation, 2020, 155, 105085. | 1.9 | 4 |
| 12 | An Unexpectedly Broad Thermal and Salinity-Tolerant Estuarine Methanogen Community. Microorganisms, 2020, 8, 1467. | 1.6 | 3 |
| 13 | Detection of 4-Nitrophenol, a Model Toxic Compound, Using Multi-Stage Microbial Fuel Cells. Frontiers in Environmental Science, 2020, 8, . | 1.5 | 18 |
| 14 | Microbial Community Composition in Crude Oils and Asphalts from the Kurdistan Region of Iraq. Geomicrobiology Journal, 2020, 37, 635-652. | 1.0 | 13 |
| 15 | Anaerobic microbial communities and their potential for bioenergy production in heavily biodegraded petroleum reservoirs. Environmental Microbiology, 2020, 22, 3049-3065. | 1.8 | 9 |
| 16 | Beyond N and P: The impact of Ni on crude oil biodegradation. Chemosphere, 2019, 237, 124545. | 4.2 | 9 |
| 17 | High Performing Gas Diffusion Biocathode for Microbial Fuel Cells Using Acidophilic Iron Oxidizing Bacteria. Frontiers in Energy Research, 2019, 7, . | 1.2 | 22 |
| 18 | Contrasting Pathways for Anaerobic Methane Oxidation in Gulf of Mexico Cold Seep Sediments. MSystems, 2019, 4, . | 1.7 | 27 |

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| 19 | Metabolites of an Oil Field Sulfide-Oxidizing, Nitrate-Reducing Sulfurimonas sp. Cause Severe Corrosion. Applied and Environmental Microbiology, 2019, 85, . | 1.4 | 38 |
| 20 | Distribution of thermophilic endospores in a temperate estuary indicate that dispersal history structures sediment microbial communities. Environmental Microbiology, 2018, 20, 1134-1147. | 1.8 | 25 |
| 21 | Damage to offshore production facilities by corrosive microbial biofilms. Applied Microbiology and Biotechnology, 2018, 102, 2525-2533. | 1.7 | 70 |
| 22 | Life cycle, techno-economic and dynamic simulation assessment of bioelectrochemical systems: A case of formic acid synthesis. Bioresource Technology, 2018, 255, 39-49. | 4.8 | 86 |
| 23 | Microbial community analysis of three hydrocarbon reservoir cores provides valuable insights for the assessment of reservoir souring potential. International Biodeterioration and Biodegradation, 2018, 126, 177-188. | 1.9 | 15 |
| 24 | Extending the dynamic range of biochemical oxygen demand sensing with multi-stage microbial fuel cells. Environmental Science: Water Research and Technology, 2018, 4, 2029-2040. | 1.2 | 31 |
| 25 | Beyond the tip of the iceberg; a new view of the diversity of sulfite- and sulfate-reducing microorganisms. ISME Journal, 2018, 12, 2096-2099. | 4.4 | 67 |
| 26 | Anode potential selection for sulfide removal in contaminated marine sediments. Journal of Hazardous Materials, 2018, 360, 498-503. | 6.5 | 8 |
| 27 | Electrobioremediation of oil spills. Water Research, 2017, 114, 351-370. | 5.3 | 119 |
| 28 | High Throughput Biodegradation-Screening Test To Prioritize and Evaluate Chemical Biodegradability. Environmental Science & Technology, 2017, 51, 7236-7244. | 4.6 | 22 |
| 29 | Evaluation of porous carbon felt as an aerobic biocathode support in terms of hydrogen peroxide. Journal of Power Sources, 2017, 356, 459-466. | 4.0 | 11 |
| 30 | Succession in the petroleum reservoir microbiome through an oil field production lifecycle. ISME Journal, 2017, 11, 2141-2154. | 4.4 | 136 |
| 31 | Bridging spatially segregated redox zones with a microbial electrochemical snorkel triggers biogeochemical cycles in oil-contaminated River Tyne (UK) sediments. Water Research, 2017, 127, 11-21. | 5.3 | 30 |
| 32 | The controls on the composition of biodegraded oils in the deep subsurface â€“ Part 4. Destruction and production of high molecular weight non-hydrocarbon species and destruction of aromatic hydrocarbons during progressive in-reservoir biodegradation. Organic Geochemistry, 2017, 114, 57-80. | 0.9 | 48 |
| 33 | A new model for the formation of microbial polygons in a coastal sabkha setting. Depositional Record, 2017, 3, 201-208. | 0.8 | 17 |
| 34 | How to access and exploit natural resources sustainably: petroleum biotechnology. Microbial Biotechnology, 2017, 10, 1206-1211. | 2.0 | 12 |
| 35 | Comparative metagenomics of hydrocarbon and methane seeps of the Gulf of Mexico. Scientific Reports, 2017, 7, 16015. | 1.6 | 52 |
| 36 | Microbial and Isotopic Evidence for Methane Cycling in Hydrocarbon-Containing Groundwater from the Pennsylvania Region. Frontiers in Microbiology, 2017, 8, 593. | 1.5 | 30 |

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| 37 | Microbial fuel cells with highly active aerobic biocathodes. Journal of Power Sources, 2016, 324, 8-16. | 4.0 | 77 |
| 38 | Microbial Biotechnology 2020; microbiology of fossil fuel resources. Microbial Biotechnology, 2016, 9, 626-634. | 2.0 | 34 |
| 39 | Protocols for Investigating the Microbial Communities of Oil and Gas Reservoirs. Springer Protocols, 2016, , 65-109. | 0.1 | 1 |
| 40 | MIxS-HCR: a MIxS extension defining a minimal information standard for sequence data from environments pertaining to hydrocarbon resources. Standards in Genomic Sciences, 2016, 11, 78. | 1.5 | 2 |
| 41 | A multilevel sustainability analysis of zinc recovery from wastes. Resources, Conservation and Recycling, 2016, 113, 88-105. | 5.3 | 47 |
| 42 | A critical review of integration analysis of microbial electrosynthesis (MES) systems with waste biorefineries for the production of biofuel and chemical from reuse of CO 2. Renewable and Sustainable Energy Reviews, 2016, 56, 116-132. | 8.2 | 147 |
| 43 | Complementary Microorganisms in Highly Corrosive Biofilms from an Offshore Oil Production Facility. Applied and Environmental Microbiology, 2016, 82, 2545-2554. | 1.4 | 135 |
| 44 | Anodes Stimulate Anaerobic Toluene Degradation via Sulfur Cycling in Marine Sediments. Applied and Environmental Microbiology, 2016, 82, 297-307. | 1.4 | 74 |
| 45 | Re-evaluation of dioxygenase gene phylogeny for the development and validation of a quantitative assay for environmental aromatic hydrocarbon degraders. FEMS Microbiology Ecology, 2015, 91, . | 1.3 | 16 |
| 46 | Survival of Desulfotomaculum spores from estuarine sediments after serial autoclaving and high-temperature exposure. ISME Journal, 2015, 9, 922-933. | 4.4 | 58 |
| 47 | A preliminary and qualitative study of resource ratio theory to nitrifying labâ€scale bioreactors. Microbial Biotechnology, 2015, 8, 590-603. | 2.0 | 10 |
| 48 | Response of Methanogens in Arctic Sediments to Temperature and Methanogenic Substrate Availability. PLoS ONE, 2015, 10, e0129733. | 1.1 | 69 |
| 49 | An Evaluation of the Performance and Economics of Membranes and Separators in Single Chamber Microbial Fuel Cells Treating Domestic Wastewater. PLoS ONE, 2015, 10, e0136108. | 1.1 | 41 |
| 50 | Volatile hydrocarbons inhibit methanogenic crude oil degradation. Frontiers in Microbiology, 2014, 5, 131. | 1.5 | 41 |
| 51 | Life in the slow lane; biogeochemistry of biodegraded petroleum containing reservoirs and implications for energy recovery and carbon management. Frontiers in Microbiology, 2014, 5, 566. | 1.5 | 132 |
| 52 | The metabolic pathways and environmental controls of hydrocarbon biodegradation in marine ecosystems. Frontiers in Microbiology, 2014, 5, 471. | 1.5 | 35 |
| 53 | Kinetic parameters for nutrient enhanced crude oil biodegradation in intertidal marine sediments. Frontiers in Microbiology, 2014, 5, 160. | 1.5 | 42 |
| 54 | Biodegradation of crude oil saturated fraction supported on clays. Biodegradation, 2014, 25, 153-165. | 1.5 | 14 |

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| 55 | Biodegradation and adsorption of C1- and C2-phenanthrenes and C1- and C2-dibenzothiophenes in the presence of clay minerals: effect on forensic diagnostic ratios. Biodegradation, 2014, 25, 515-527. | 1.5 | 7 |
| 56 | Correlation of seasonal nitrification failure and ammonia-oxidizing community dynamics in a wastewater treatment plant treating water from a saline thermal spa. Annals of Microbiology, 2014, 64, 1671-1682. | 1.1 | 7 |
| 57 | Standard inocula preparations reduce the bacterial diversity and reliability of regulatory biodegradation tests. Environmental Science and Pollution Research, 2014, 21, 9511-9521. | 2.7 | 40 |
| 58 | Effect of acid activated clay minerals on biodegradation of crude oil hydrocarbons. International Biodeterioration and Biodegradation, 2014, 88, 185-191. | 1.9 | 28 |
| 59 | Biodegradation and adsorption of crude oil hydrocarbons supported on â€œhomoionicâ€• montmorillonite clay minerals. Applied Clay Science, 2014, 87, 81-86. | 2.6 | 44 |
| 60 | The Family Achromatiaceae. , 2014, , 1-14. | | 2 |
| 61 | Oil Sands and Heavy Oil: Origin and Exploitation. Elements, 2014, 10, 277-283. | 0.5 | 39 |
| 62 | The Family Nitrosomonadaceae. , 2014, , 901-918. | | 127 |
| 63 | Nitrification in hybrid bioreactors treating simulated domestic wastewater. Journal of Applied Microbiology, 2013, 115, 621-630. | 1.4 | 11 |
| 64 | Compositional changes of crude oil SARA fractions due to biodegradation and adsorption on colloidal support such as clays using Iatroscan. Environmental Science and Pollution Research, 2013, 20, 6445-6454. | 2.7 | 6 |
| 65 | Improving PCR efficiency for accurate quantification of 16S rRNA genes. Journal of Microbiological Methods, 2013, 93, 148-152. | 0.7 | 11 |
| 66 | Anaerobic biodegradation of crude oil under sulphate-reducing conditions leads to only modest enrichment of recognized sulphate-reducing taxa. International Biodeterioration and Biodegradation, 2013, 81, 105-113. | 1.9 | 112 |
| 67 | Evidence that crude oil alkane activation proceeds by different mechanisms under sulfate-reducing and methanogenic conditions. Geochimica Et Cosmochimica Acta, 2013, 109, 162-174. | 1.6 | 98 |
| 68 | The controls on the composition of biodegraded oils in the deep subsurface â€“ Part 3. The impact of microorganism distribution on petroleum geochemical gradients in biodegraded petroleum reservoirs. Organic Geochemistry, 2013, 56, 94-105. | 0.9 | 93 |
| 69 | Effect of modified montmorillonites on the biodegradation and adsorption of biomarkers such as hopanes, steranes and diasteranes. Environmental Science and Pollution Research, 2013, 20, 8881-8889. | 2.7 | 1 |
| 70 | Biofuel components change the ecology of bacterial volatile petroleum hydrocarbon degradation in aerobic sandy soil. Environmental Pollution, 2013, 173, 125-132. | 3.7 | 29 |
| 71 | Massive dominance of Epsilonproteobacteria in formation waters from a Canadian oil sands reservoir containing severely biodegraded oil. Environmental Microbiology, 2012, 14, 387-404. | 1.8 | 117 |
| 72 | Quantification of syntrophic acetateâ€oxidizing microbial communities in biogas processes. Environmental Microbiology Reports, 2011, 3, 500-505. | 1.0 | 132 |

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| 73 | The quantitative significance of Syntrophaceae and syntrophic partnerships in methanogenic degradation of crude oil alkanes. Environmental Microbiology, 2011, 13, 2957-2975. | 1.8 | 217 |
| 74 | Ecology and metagenomics of soil microorganisms. FEMS Microbiology Ecology, 2011, 78, 1-2. | 1.3 | 10 |
| 75 | Evaluation of hydrolysis and fermentation rates in microbial fuel cells. Applied Microbiology and Biotechnology, 2011, 90, 789-798. | 1.7 | 59 |
| 76 | Microbial fuel cells meet with external resistance. Bioresource Technology, 2011, 102, 2758-2766. | 4.8 | 171 |
| 77 | Thaumarchaeotes abundant in refinery nitrifying sludges express amoA but are not obligate autotrophic ammonia oxidizers. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16771-16776. | 3.3 | 272 |
| 78 | Low-Dissolved-Oxygen Nitrifying Systems Exploit Ammonia-Oxidizing Bacteria with Unusually High Yields. Applied and Environmental Microbiology, 2011, 77, 7787-7796. | 1.4 | 80 |
| 79 | The effect of flavin electron shuttles in microbial fuel cells current production. Applied Microbiology and Biotechnology, 2010, 85, 1373-1381. | 1.7 | 123 |
| 80 | Open circuit versus closed circuit enrichment of anodic biofilms in MFC: effect on performance and anodic communities. Applied Microbiology and Biotechnology, 2010, 87, 1699-1713. | 1.7 | 59 |
| 81 | Modelling microbial fuel cells with suspended cells and added electron transfer mediator. Journal of Applied Electrochemistry, 2010, 40, 151-162. | 1.5 | 66 |
| 82 | Correlations between in situ denitrification activity and nir-gene abundances in pristine and impacted prairie streams. Environmental Pollution, 2010, 158, 3225-3229. | 3.7 | 72 |
| 83 | Effect of temperature on the performance of microbial fuel cells. Fuel, 2010, 89, 3985-3994. | 3.4 | 213 |
| 84 | Effect of increasing anode surface area on the performance of a single chamber microbial fuel cell. Chemical Engineering Journal, 2010, 156, 40-48. | 6.6 | 156 |
| 85 | Anomalous energy yields in thermodynamic calculations: importance of accounting for pH-dependent organic acid speciation. ISME Journal, 2010, 4, 463-464. | 4.4 | 11 |
| 86 | Methanogenic Degradation of Petroleum Hydrocarbons in Subsurface Environments. Advances in Applied Microbiology, 2010, 72, 137-161. | 1.3 | 105 |
| 87 | How Specific Microbial Communities Benefit the Oil Industry: Dynamics of Alcanivorax spp. in Oil-Contaminated Intertidal Beach Sediments Undergoing Bioremediation. , 2010, , 199-209. | | 3 |
| 88 | Decreased heart rate variability in patients with cirrhosis relates to the presence and degree of hepatic encephalopathy. American Journal of Physiology - Renal Physiology, 2009, 296, G330-G338. | 1.6 | 72 |
| 89 | A single chamber packed bed microbial fuel cell biosensor for measuring organic content of wastewater. Water Science and Technology, 2009, 60, 2879-2887. | 1.2 | 32 |
| 90 | The thermodynamic landscape of methanogenic PAH degradation. Microbial Biotechnology, 2009, 2, 566-574. | 2.0 | 43 |

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| 91 | Biogenic methane production in formation waters from a large gas field in the North Sea. Extremophiles, 2009, 13, 511-519. | 0.9 | 84 |
| 92 | Accurate determination of microbial diversity from 454 pyrosequencing data. Nature Methods, 2009, 6, 639-641. | 9.0 | 895 |
| 93 | On the repeatability and reproducibility of experimental two-chambered microbial fuel cells. Fuel, 2009, 88, 1852-1857. | 3.4 | 41 |
| 94 | Effect of Sludge Age on the Bacterial Diversity of Bench Scale Sequencing Batch Reactors. Environmental Science & Technology, 2009, 43, 2950-2956. | 4.6 | 31 |
| 95 | A single-chamber microbial fuel cell as a biosensor for wastewaters. Water Research, 2009, 43, 3145-3154. | 5.3 | 236 |
| 96 | Methods for Recovery of Microorganisms and Intact Microbial Polar Lipids from Oilâ^'Water Mixtures: Laboratory Experiments and Natural Well-Head Fluids. Analytical Chemistry, 2009, 81, 4130-4136. | 3.2 | 13 |
| 97 | Continuous Feed Microbial Fuel Cell Using An Air Cathode and A Disc Anode Stack for Wastewater Treatment. Energy & Fuels, 2009, 23, 5707-5716. | 2.5 | 27 |
| 98 | Thermodynamic constraints on methanogenic crude oil biodegradation. ISME Journal, 2008, 2, 442-452. | 4.4 | 190 |
| 99 | Crude-oil biodegradation via methanogenesis in subsurface petroleum reservoirs. Nature, 2008, 451, 176-180. | 13.7 | 638 |
| 100 | Whole genome microarray analysis of the expression profile of Escherichia coli in response to exposure to para-nitrophenol. Advances in Experimental Biology, 2008, 2, 221-248. | 0.1 | 2 |
| 101 | A computational model for biofilm-based microbial fuel cells. Water Research, 2007, 41, 2921-2940. | 5.3 | 381 |
| 102 | Microbial landscapes: new paths to biofilm research. Nature Reviews Microbiology, 2007, 5, 76-81. | 13.6 | 288 |
| 103 | The biogeographical distribution of closely related freshwater sediment bacteria is determined by environmental selection. ISME Journal, 2007, 1, 596-605. | 4.4 | 14 |
| 104 | Neutral assembly of bacterial communities. FEMS Microbiology Ecology, 2007, 62, 171-180. | 1.3 | 177 |
| 105 | The biogeochemical cycling of methane in Ria de Vigo, NW Spain: Sediment processing and seaâ€“air exchange. Journal of Marine Systems, 2007, 66, 258-271. | 0.9 | 23 |
| 106 | Application of Modified Carbon Anodes in Microbial Fuel Cells. Chemical Engineering Research and Design, 2007, 85, 481-488. | 2.7 | 152 |
| 107 | Modeling Taxa-Abundance Distributions in Microbial Communities using Environmental Sequence Data. Microbial Ecology, 2007, 53, 443-455. | 1.4 | 151 |
| 108 | The controls on the composition of biodegraded oils in the deep subsurface: Part IIâ€”Geological controls on subsurface biodegradation fluxes and constraints on reservoir-fluid property prediction. AAPG Bulletin, 2006, 90, 921-938. | 0.7 | 213 |

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| 109 | A stable isotope titration method to determine the contribution of acetate disproportionation and carbon dioxide reduction to methanogenesis. Journal of Microbiological Methods, 2006, 65, 180-186. | 0.7 | 2 |
| 110 | Taxa-area relationships for microbes: the unsampled and the unseen. Ecology Letters, 2006, 9, 805-812. | 3.0 | 112 |
| 111 | Quantifying the roles of immigration and chance in shaping prokaryote community structure. Environmental Microbiology, 2006, 8, 732-740. | 1.8 | 971 |
| 112 | Acidophilic microbial communities associated with a natural, biodegraded hydrocarbon seepage. Journal of Applied Microbiology, 2006, 101, 290-299. | 1.4 | 37 |
| 113 | Marine microorganisms make a meal of oil. Nature Reviews Microbiology, 2006, 4, 173-182. | 13.6 | 977 |
| 114 | What is the extent of prokaryotic diversity?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 2023-2037. | 1.8 | 90 |
| 115 | Response of the soil bacterial community to perturbation. , 2005, , 273-292. | | 1 |
| 116 | Biodegradation, gas destruction and methane generation in deep subsurface petroleum reservoirs: an overview. Petroleum Geology Conference Proceedings, 2005, 6, 633-639. | 0.7 | 43 |
| 117 | Development of a Rapid Assay for Determining the Relative Abundance of Bacteria. Applied and Environmental Microbiology, 2005, 71, 8481-8490. | 1.4 | 4 |
| 118 | Agreement between Theory and Measurement in Quantification of Ammonia-Oxidizing Bacteria. Applied and Environmental Microbiology, 2005, 71, 6325-6334. | 1.4 | 73 |
| 119 | Electricity generation from cysteine in a microbial fuel cell. Water Research, 2005, 39, 942-952. | 5.3 | 449 |
| 120 | Effect of wastewater composition on archaeal population diversity. Water Research, 2005, 39, 1576-1584. | 5.3 | 70 |
| 121 | The impact of sludge amendment on methanogen community structure in an upland soil. Applied Soil Ecology, 2005, 28, 147-162. | 2.1 | 18 |
| 122 | Adaptation of sympatric Achromatium spp. to different redox conditions as a mechanism for coexistence of functionally similar sulphur bacteria. Environmental Microbiology, 2004, 6, 669-677. | 1.8 | 32 |
| 123 | Response of Archaeal Communities in Beach Sediments to Spilled Oil and Bioremediation. Applied and Environmental Microbiology, 2004, 70, 2614-2620. | 1.4 | 61 |
| 124 | Bacterial Community Dynamics and Hydrocarbon Degradation during a Field-Scale Evaluation of Bioremediation on a Mudflat Beach Contaminated with Buried Oil. Applied and Environmental Microbiology, 2004, 70, 2603-2613. | 1.4 | 217 |
| 125 | Effects of soil improvement treatments on bacterial community structure and soil processes in an upland grassland soil. FEMS Microbiology Ecology, 2003, 46, 11-22. | 1.3 | 38 |
| 126 | Composition and diversity of ammonia-oxidising bacterial communities in wastewater treatment reactors of different design treating identical wastewater. FEMS Microbiology Ecology, 2003, 43, 195-206. | 1.3 | 165 |

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| 127 | Biological activity in the deep subsurface and the origin of heavy oil. Nature, 2003, 426, 344-352. | 13.7 | 1,060 |
| 128 | The controls on the composition of biodegraded oils in the deep subsurfaceâ€"part 1: biodegradation rates in petroleum reservoirs. Organic Geochemistry, 2003, 34, 601-613. | 0.9 | 319 |
| 129 | The microbiology of hydrocarbon degradation in subsurface petroleum reservoirs: perspectives and prospects. Research in Microbiology, 2003, 154, 321-328. | 1.0 | 171 |
| 130 | Peer Reviewed: Theoretical Ecology for Engineering Biology. Environmental Science & Technology, 2003, 37, 64A-70A. | 4.6 | 96 |
| 131 | Robust Hydrocarbon Degradation and Dynamics of Bacterial Communities during Nutrient-Enhanced Oil Spill Bioremediation. Applied and Environmental Microbiology, 2002, 68, 5537-5548. | 1.4 | 429 |
| 132 | Occurrence and activity of Archaea in aerated activated sludge wastewater treatment plants. Environmental Microbiology, 2002, 4, 158-168. | 1.8 | 70 |
| 133 | The effect of fungal decay (Agaricus bisporus) on wheat straw lignin using pyrolysisâ€"GCâ€"MS in the presence of tetramethylammonium hydroxide (TMAH). Journal of Analytical and Applied Pyrolysis, 2001, 60, 69-78. | 2.6 | 56 |
| 134 | Linking genetic identity and function in communities of uncultured bacteria. Environmental Microbiology, 2001, 3, 481-492. | 1.8 | 105 |
| 135 | Microbial-silica interactions in Icelandic hot spring sinter: possible analogues for some Precambrian siliceous stromatolites. Sedimentology, 2001, 48, 415-433. | 1.6 | 237 |
| 136 | Isolation and characterization of a novel hydrocarbon-degrading, Gram-positive bacterium, isolated from intertidal beach sediment, and description of Planococcus alkanoclasticus sp. nov.. Journal of Applied Microbiology, 2001, 90, 237-247. | 1.4 | 127 |
| 137 | Biodegradation of oil in uplifted basins prevented by deep-burial sterilization. Nature, 2001, 411, 1034-1037. | 13.7 | 357 |
| 138 | Kinetics of Perchlorate- and Chlorate-Respiring Bacteria. Applied and Environmental Microbiology, 2001, 67, 2499-2506. | 1.4 | 134 |
| 139 | Uncultured giant sulfur bacteria of the genus Achromatium. FEMS Microbiology Ecology, 2000, 33, 171-180. | 1.3 | 26 |
| 140 | Use of Combined Microautoradiography and Fluorescence In Situ Hybridization To Determine Carbon Metabolism in Mixed Natural Communities of Uncultured Bacteria from the Genus Achromatium. Applied and Environmental Microbiology, 2000, 66, 4518-4522. | 1.4 | 74 |
| 141 | Achromatium oxaliferum Understanding the Unmistakable. Advances in Microbial Ecology, 2000, , 1-40. | 0.1 | 22 |
| 142 | Environmental influence on the biohopanoid composition of recent sediments. Geochimica Et Cosmochimica Acta, 2000, 64, 2985-2992. | 1.6 | 103 |
| 143 | Phylogenetic relationships of filamentous sulfur bacteria (Thiothrix spp. and Eikelboom type 021N) Tj ETQq1 1 0.784314 rgBT /Overlo<br>Thiothrix unzii sp. nov., Thiothrix fructosivorans sp. nov. and Thiothrix defluvii sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1817-1827. | 0.8 | 112 |
| 144 | Identification of novel bacterial lineages as active members of microbial populations in a freshwater sediment using a rapid RNA extraction procedure and RT-PCR. Microbiology (United Kingdom), 1999, 145, 1977-1987. | 0.7 | 108 |

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| 145 | Bioremediation of petroleum hydrocarbon contaminants in marine habitats. Current Opinion in Biotechnology, 1999, 10, 234-239. | 3.3 | 171 |
| 146 | Recovery and Analysis of Ribosomal RNA Sequences from the Environment. , 1999, , 139-174. | | 4 |
| 147 | Microbial Evolution, Diversity, and Ecology: A Decade of Ribosomal RNA Analysis of Uncultivated Microorganisms. Microbial Ecology, 1998, 35, 1-21. | 1.4 | 599 |
| 148 | Early diagenesis of bacteriohopanoids in Recent sediments of Lake Pollen, Norway. Organic Geochemistry, 1998, 29, 1285-1295. | 0.9 | 55 |
| 149 | Bioremediation: towards a credible technology. Microbiology (United Kingdom), 1998, 144, 599-608. | 0.7 | 128 |
| 150 | Preservation and diagenesis of hopanoids in Recent lacustrine sediments of Priest Pot, England. Organic Geochemistry, 1997, 26, 565-576. | 0.9 | 108 |
| 151 | HIP1 propagates in cyanobacterial DNA via nucleotide substitutions but promotes excision at similar frequencies in Escherichia coli and Synechococcus PCC 7942. Molecular Microbiology, 1997, 24, 181-189. | 1.2 | 27 |
| 152 | Organic carbon in sediments. Nature, 1995, 373, 293-293. | 13.7 | 3 |
| 153 | Characterization of a carbofuran-degrading bacterium and investigation of the role of plasmids in catabolism of the insecticide carbofuran. Archives of Microbiology, 1992, 158, 302-308. | 1.0 | 23 |
| 154 | Minerals, mats, pearls and veils: themes and variations in giant sulfur bacteria. , 0, , 35-70. | | 3 |
| 155 | Composition and diversity of ammonia-oxidising bacterial communities in wastewater treatment reactors of different design treating identical wastewater. , 0, . | | 4 |