# Raina M Maier

List of Publications by Year
in descending order

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|---|---|---|---|
| 173 papers | 11,432 citations | 26630 56 h-index | 30922 102 g-index |
| 175 all docs | 175 docs citations | 175 times ranked | 11286 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phytostabilization of Mine Tailings in Arid and Semiarid Environmentsâ€"An Emerging Remediation Technology. Environmental Health Perspectives, 2008, 116, 278-283. | 6.0 | 778 |
| 2 | Innate Immunity and Asthma Risk in Amish and Hutterite Farm Children. New England Journal of Medicine, 2016, 375, 411-421. | 27.0 | 745 |
| 3 | Pseudomonas aeruginosa rhamnolipids: biosynthesis and potential applications. Applied Microbiology and Biotechnology, 2000, 54, 625-633. | 3.6 | 488 |
| 4 | Rhamnolipid-Induced Removal of Lipopolysaccharide from Pseudomonas aeruginosa : Effect on Cell Surface Properties and Interaction with Hydrophobic Substrates. Applied and Environmental Microbiology, 2000, 66, 3262-3268. | 3.1 | 377 |
| 5 | Phytoremediation of mine tailings in temperate and arid environments. Reviews in Environmental Science and Biotechnology, 2008, 7, 47-59. | 8.1 | 368 |
| 6 | Application of a modified drop-collapse technique for surfactant quantitation and screening of biosurfactant-producing microorganisms. Journal of Microbiological Methods, 1998, 32, 273-280. | 1.6 | 324 |
| 7 | Impact of metals on the biodegradation of organic pollutants.. Environmental Health Perspectives, 2003, 111, 1093-1101. | 6.0 | 310 |
| 8 | Distribution of Biosurfactant-Producing Bacteria in Undisturbed and Contaminated Arid Southwestern Soils. Applied and Environmental Microbiology, 2003, 69, 3280-3287. | 3.1 | 290 |
| 9 | BIOSURFACTANTS: Their Identity and Potential Efficacy in the Biological Control of Zoosporic Plant Pathogens. Plant Disease, 1997, 81, 4-12. | 1.4 | 277 |
| 10 | Effect of Rhamnolipids on the Dissolution, Bioavailability, and Biodegradation of Phenanthrene. Environmental Science & Technology, 1997, 31, 2211-2217. | 10.0 | 205 |
| 11 | Removal of Cadmium, Lead, and Zinc from Soil by a Rhamnolipid Biosurfactant. Environmental Science & Technology, 1995, 29, 2280-2285. | 10.0 | 196 |
| 12 | Life at the hyperarid margin: novel bacterial diversity in arid soils of the Atacama Desert, Chile. Extremophiles, 2012, 16, 553-566. | 2.3 | 182 |
| 13 | Stability Constants for the Complexation of Various Metals with a Rhamnolipid Biosurfactant. Journal of Environmental Quality, 2001, 30, 479-485. | 2.0 | 172 |
| 14 | Comparative electrochemical inactivation of bacteria and bacteriophage. Water Research, 2003, 37, 2291-2300. | 11.3 | 167 |
| 15 | Bacterial microbiota of the upper respiratory tract and childhood asthma. Journal of Allergy and Clinical Immunology, 2017, 139, 826-834.e13. | 2.9 | 165 |
| 16 | Characterization of a Bacterial Community in an Abandoned Semiarid Lead-Zinc Mine Tailing Site. Applied and Environmental Microbiology, 2008, 74, 3899-3907. | 3.1 | 162 |
| 17 | Bacterial Community Structure in the Hyperarid Core of the Atacama Desert, Chile. Applied and Environmental Microbiology, 2006, 72, 7902-7908. | 3.1 | 160 |
| 18 | A Rhamnolipid Biosurfactant Reduces Cadmium Toxicity during Naphthalene Biodegradation. Applied and Environmental Microbiology, 2000, 66, 4585-4588. | 3.1 | 150 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Phytostabilization Potential of Quailbush for Mine Tailings. Journal of Environmental Quality, 2007, 36, 245-253. | 2.0 | 141 |
| 20 | Significant Impacts of Increasing Aridity on the Arid Soil Microbiome. MSystems, 2017, 2, . | 3.8 | 141 |
| 21 | Biosurfactant-enhanced removal of residual hydrocarbon from soil. Journal of Contaminant Hydrology, 1997, 25, 157-170. | 3.3 | 140 |
| 22 | Electron Microscopy of Rhamnolipid (Biosurfactant) Morphology: Effects of pH, Cadmium, and Octadecane. Journal of Colloid and Interface Science, 1995, 170, 569-574. | 9.4 | 139 |
| 23 | Rhamnolipid-Enhanced Mineralization of Phenanthrene in Organic-Metal Co-Contaminated Soils. Bioremediation Journal, 2000, 4, 295-308. | 2.0 | 130 |
| 24 | The impact of unconfined mine tailings in residential areas from a mining town in a semi-arid environment: Nacozari, Sonora, Mexico. Chemosphere, 2009, 77, 140-147. | 8.2 | 129 |
| 25 | Complexation of Cadmium by a Rhamnolipid Biosurfactant. Environmental Science & Technology, 1994, 28, 2402-2406. | 10.0 | 116 |
| 26 | Cyclodextrin-Enhanced Biodegradation of Phenanthrene. Environmental Science & Technology, 1998, 32, 1907-1912. | 10.0 | 116 |
| 27 | Plant Growth-Promoting Bacteria for Phytostabilization of Mine Tailings. Environmental Science & Technology, 2008, 42, 2079-2084. | 10.0 | 115 |
| 28 | Making a living while starving in the dark: metagenomic insights into the energy dynamics of a carbonate cave. ISME Journal, 2014, 8, 478-491. | 9.8 | 114 |
| 29 | Structure and Characterization of Flavolipids, a Novel Class of Biosurfactants Produced by Flavobacterium sp. Strain MTN11. Applied and Environmental Microbiology, 2004, 70, 114-120. | 3.1 | 111 |
| 30 | Phytostabilization of mine tailings using compost-assisted direct planting: Translating greenhouse results to the field. Science of the Total Environment, 2016, 565, 451-461. | 8.0 | 102 |
| 31 | Efficient Purification of the Biosurfactant Viscosin from Pseudomonas libanensis Strain M9-3 and Its Physicochemical and Biological Properties. Journal of Natural Products, 2008, 71, 1011-1015. | 3.0 | 100 |
| 32 | Effect of arbuscular mycorrhizal fungi on plant biomass and the rhizosphere microbial community structure of mesquite grown in acidic lead/zinc mine tailings. Science of the Total Environment, 2011, 409, 1009-1016. | 8.0 | 100 |
| 33 | Biosurfactants: Evolution and Diversity in Bacteria. Advances in Applied Microbiology, 2003, 52, 101-121. | 2.4 | 99 |
| 34 | Biosurfactant (Rhamnolipid) Sorption and the Impact on Rhamnolipid-Facilitated Removal of Cadmium from Various Soils under Saturated Flow Conditions. Environmental Science & Technology, 1998, 32, 776-781. | 10.0 | 97 |
| 35 | Temporal change in culturable phenanthrene degraders in response to long-term exposure to phenanthrene in a soil column system. Environmental Microbiology, 2003, 5, 888-895. | 3.8 | 95 |
| 36 | Culturable Microbial Diversity and the Impact of Tourism in Kartchner Caverns, Arizona. Microbial Ecology, 2007, 53, 30-42. | 2.8 | 95 |

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| 37 | Issues underlying use of biosensors to measure metal bioavailability. Ecotoxicology and Environmental Safety, 2003, 56, 140-147. | 6.0 | 90 |
| 38 | Characterization of Lead Removal from Contaminated Soils by Nontoxic Soilâ€Washing Agents. Journal of Environmental Quality, 2003, 32, 899-908. | 2.0 | 90 |
| 39 | A greenhouse and field-based study to determine the accumulation of arsenic in common homegrown vegetables grown in mining-affected soils. Science of the Total Environment, 2013, 443, 299-306. | 8.0 | 89 |
| 40 | Bacillus pumilus ES4: Candidate plant growth-promoting bacterium to enhance establishment of plants in mine tailings. Environmental and Experimental Botany, 2010, 69, 343-352. | 4.2 | 87 |
| 41 | Determination of the Acid Dissociation Constant of the Biosurfactant Monorhamnolipid in Aqueous Solution by Potentiometric and Spectroscopic Methods. Analytical Chemistry, 2006, 78, 7649-7658. | 6.5 | 85 |
| 42 | Life-history strategies of soil microbial communities in an arid ecosystem. ISME Journal, 2021, 15, 649-657. | 9.8 | 84 |
| 43 | Bacterial Community Changes during Plant Establishment at the San Pedro River Mine Tailings Site. Journal of Environmental Quality, 2007, 36, 1249-1259. | 2.0 | 80 |
| 44 | Surficial weathering of iron sulfide mine tailings under semi-arid climate. Geochimica Et Cosmochimica Acta, 2014, 141, 240-257. | 3.9 | 79 |
| 45 | Profiling Bacterial Diversity and Taxonomic Composition on Speleothem Surfaces in Kartchner Caverns, AZ. Microbial Ecology, 2013, 65, 371-383. | 2.8 | 78 |
| 46 | Response of Key Soil Parameters during Compost-Assisted Phytostabilization in Extremely Acidic Tailings: Effect of Plant Species. Environmental Science & Technology, 2012, 46, 1019-1027. | 10.0 | 73 |
| 47 | Analysis of artifacts suggests DGGE should not be used for quantitative diversity analysis. Journal of Microbiological Methods, 2013, 92, 256-263. | 1.6 | 73 |
| 48 | Effect of clays, metal oxides, and organic matter on rhamnolipid biosurfactant sorption by soil. Chemosphere, 2007, 66, 1634-1642. | 8.2 | 71 |
| 49 | A comparison of chelatorâ€facilitated metal uptake by a halophyte and a glycophyte. Environmental Toxicology and Chemistry, 2002, 21, 2698-2704. | 4.3 | 69 |
| 50 | Environmental factors influencing the structural dynamics of soil microbial communities during assisted phytostabilization of acid-generating mine tailings: A mesocosm experiment. Science of the Total Environment, 2014, 500-501, 314-324. | 8.0 | 67 |
| 51 | Optimization of plant growth-promoting bacteria-assisted phytostabilization of mine tailings. Soil Biology and Biochemistry, 2009, 41, 1734-1740. | 8.8 | 65 |
| 52 | Toxic metal(loid) speciation during weathering of iron sulfide mine tailings under semi-arid climate. Applied Geochemistry, 2015, 62, 131-149. | 3.0 | 65 |
| 53 | Biosurfactant-enhanced solubilization of NAPL mixtures. Journal of Contaminant Hydrology, 2001, 48, 45-68. | 3.3 | 64 |
| 54 | Home gardening near a mining site in an arsenic-endemic region of Arizona: Assessing arsenic exposure dose and risk via ingestion of home garden vegetables, soils, and water. Science of the Total Environment, 2013, 454-455, 373-382. | 8.0 | 62 |

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| 55 | Phosphorylase and creatine kinase modification by thiol-disulfide exchange and by xanthine oxidase-initiated S-thiolation. Archives of Biochemistry and Biophysics, 1990, 276, 355-363. | 3.0 | 61 |
| 56 | Introduction to Environmental Microbiology. , 2009, , 3-7. | | 59 |
| 57 | Biosurfactants: A General Overview. Microbiology Monographs, 2011, , 1-11. | 0.6 | 58 |
| 58 | Mineral nutrient mobilization by plants from rock: influence of rock type and arbuscular mycorrhiza. Biogeochemistry, 2015, 124, 187-203. | 3.5 | 57 |
| 59 | Environmental Determinants of and Impact on Childhood Asthma by the Bacterial Community in Household Dust. Applied and Environmental Microbiology, 2010, 76, 2663-2667. | 3.1 | 56 |
| 60 | Influence of cation type, ionic strength, and pH on solubilization and mobilization of residual hydrocarbon by a biosurfactant. Journal of Contaminant Hydrology, 1998, 30, 265-279. | 3.3 | 55 |
| 61 | Phytoremediation Reduces Dust Emissions from Metal(loid)-Contaminated Mine Tailings. Environmental Science & Technology, 2018, 52, 5851-5858. | 10.0 | 54 |
| 62 | Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. FEMS Microbiology Ecology, 2009, 68, 72-85. | 2.7 | 51 |
| 63 | Environmental Research Translation: Enhancing interactions with communities at contaminated sites. Science of the Total Environment, 2014, 497-498, 651-664. | 8.0 | 51 |
| 64 | Bacterial Growth. , 2015, , 37-56. | | 50 |
| 65 | Geochemical Weathering Increases Lead Bioaccessibility in Semi-Arid Mine Tailings. Environmental Science & Technology, 2012, 46, 5834-5841. | 10.0 | 48 |
| 66 | Factors Influencing Expression of luxCDABE and nah Genes in Pseudomonas putida RB1353(NAH7, pUTK9) in Dynamic Systems. Applied and Environmental Microbiology, 1999, 65, 3473-3482. | 3.1 | 48 |
| 67 | Sequential degradation of chlorophenols by photolytic and microbial treatment. Environmental Science & Technology, 1988, 22, 1215-1219. | 10.0 | 47 |
| 68 | Phytotechnologies â€“ Preventing Exposures, Improving Public Health. International Journal of Phytoremediation, 2013, 15, 889-899. | 3.1 | 46 |
| 69 | Bacterial and Archaeal Community Structure of Two Adjacent Calcite Speleothems in Kartchner Caverns, Arizona, USA. Geomicrobiology Journal, 2011, 28, 99-117. | 2.0 | 45 |
| 70 | Fatty Acid Cosubstrates Provide Î²-Oxidation Precursors for Rhamnolipid Biosynthesis in Pseudomonas aeruginosa, as Evidenced by Isotope Tracing and Gene Expression Assays. Applied and Environmental Microbiology, 2012, 78, 8611-8622. | 3.1 | 45 |
| 71 | Recovery of Critical Metals from Aqueous Sources. ACS Sustainable Chemistry and Engineering, 2021, 9, 11616-11634. | 6.7 | 43 |
| 72 | Changes in lead and zinc lability during weathering-induced acidification of desert mine tailings: Coupling chemical and micro-scale analyses. Applied Geochemistry, 2009, 24, 2234-2245. | 3.0 | 42 |

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| 73 | Growth of Quailbush in Acidic, Metalliferous Desert Mine Tailings: Effect of Azospirillum brasilense Sp6 on Biomass Production and Rhizosphere Community Structure. Microbial Ecology, 2010, 60, 915-927. | 2.8 | 42 |
| 74 | Effect of fatty acid substrate chain length on Pseudomonas aeruginosa ATCC 9027 monorhamnolipid yield and congener distribution. Process Biochemistry, 2014, 49, 989-995. | 3.7 | 42 |
| 75 | Effect of pH on cadmium toxicity, speciation, and accumulation during naphthalene biodegradation. Environmental Toxicology and Chemistry, 2002, 21, 2075-2079. | 4.3 | 40 |
| 76 | Formation and Removal of Hydrocarbon Residual in Porous Media:Â Effects of Attached Bacteria and Biosurfactants. Environmental Science & Technology, 1997, 31, 1290-1294. | 10.0 | 39 |
| 77 | Bacterial Growth. , 2009, , 37-54. | | 38 |
| 78 | Biodegradability and toxicity of monorhamnolipid biosurfactant diastereomers. Journal of Hazardous Materials, 2019, 364, 600-607. | 12.4 | 37 |
| 79 | Bacterially derived biopolymers as wood adhesives. International Journal of Adhesion and Adhesives, 2004, 24, 495-502. | 2.9 | 36 |
| 80 | Soil Microbiome Dynamics During Pyritic Mine Tailing Phytostabilization: Understanding Microbial Bioindicators of Soil Acidification. Frontiers in Microbiology, 2019, 10, 1211. | 3.5 | 36 |
| 81 | Biodegradation during Contaminant Transport in Porous Media. 2. The Influence of Physicochemical Factors. Environmental Science & Technology, 1999, 33, 96-103. | 10.0 | 33 |
| 82 | Synthesis and Characterization of Four Diastereomers of Monorhamnolipids. Journal of the American Chemical Society, 2017, 139, 5125-5132. | 13.7 | 33 |
| 83 | Rhamnolipid biosurfactant complexation of rare earth elements. Journal of Hazardous Materials, 2017, 340, 171-178. | 12.4 | 32 |
| 84 | Mechanisms of Arsenic Sequestration by Prosopis juliflora during the Phytostabilization of Metalliferous Mine Tailings. Environmental Science & Technology, 2018, 52, 1156-1164. | 10.0 | 32 |
| 85 | Treatment impacts on temporal microbial community dynamics during phytostabilization of acid-generating mine tailings in semiarid regions. Science of the Total Environment, 2018, 618, 357-368. | 8.0 | 32 |
| 86 | Fungal communities on speleothem surfaces in Kartchner Caverns, Arizona, USA. International Journal of Speleology, 2011, 40, 65-77. | 1.0 | 31 |
| 87 | Microorganisms and Organic Pollutants. , 2015, , 377-413. | | 31 |
| 88 | Ecosystem Composition Controls the Fate of Rare Earth Elements during Incipient Soil Genesis. Scientific Reports, 2017, 7, 43208. | 3.3 | 31 |
| 89 | Uptake and Fractionation of Thallium by Brassica juncea in a Geogenic Thallium-Amended Substrate. Environmental Science & Technology, 2019, 53, 2441-2449. | 10.0 | 31 |
| 90 | Effect of Temperature, pH, and Initial Cell Number on luxCDABE and nah Gene Expression during Naphthalene and Salicylate Catabolism in the Bioreporter Organism Pseudomonas putida RB1353. Applied and Environmental Microbiology, 2003, 69, 2209-2216. | 3.1 | 28 |

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| 91 | The NIEHS Superfund Research Program: 25 Years of Translational Research for Public Health. Environmental Health Perspectives, 2015, 123, 909-918. | 6.0 | 27 |
| 92 | Evolution of Aggregate Structure in Solutions of Anionic Monorhamnolipids: Experimental and Computational Results. Langmuir, 2017, 33, 7412-7424. | 3.5 | 27 |
| 93 | Title is missing!. Biodegradation, 1997, 8, 31-42. | 3.0 | 26 |
| 94 | Abundance and Activity of 16S rRNA,AmoAandNifHBacterial Genes During Assisted Phytostabilization of Mine Tailings. International Journal of Phytoremediation, 2015, 17, 493-502. | 3.1 | 25 |
| 95 | Application of a reverse transcription-PCR assay to monitor regulation of the catabolic nahAc gene during phenanthrene degradation. Biodegradation, 2002, 13, 251-260. | 3.0 | 24 |
| 96 | Plants from the abandoned Nacozari mine tailings: evaluation of their phytostabilization potential. PeerJ, 2017, 5, e3280. | 2.0 | 24 |
| 97 | Effect of Re-acidification on Buffalo Grass Rhizosphere and Bulk Microbial Communities During Phytostabilization of Metalliferous Mine Tailings. Frontiers in Microbiology, 2019, 10, 1209. | 3.5 | 24 |
| 98 | Soil microbial community and abiotic soil properties influence Zn and Cd hyperaccumulation differently in Arabidopsis halleri. Science of the Total Environment, 2022, 803, 150006. | 8.0 | 23 |
| 99 | Building a co-created citizen science program with gardeners neighboring a superfund site: The Gardenroots case study. International Public Health Journal, 2015, 7, . | 1.0 | 23 |
| 100 | Fiber optic detection of in situ lux reporter gene activity in porous media: system design and performance. Analytica Chimica Acta, 2000, 422, 121-130. | 5.4 | 22 |
| 101 | Socially responsible mining: the relationship between mining and poverty, human health and the environment. Reviews on Environmental Health, 2014, 29, 83-9. | 2.4 | 22 |
| 102 | Ecosystem-bedrock interaction changes nutrient compartmentalization during early oxidative weathering. Scientific Reports, 2019, 9, 15006. | 3.3 | 22 |
| 103 | Characterization of Lead Removal from Contaminated Soils by Nontoxic Soil-Washing Agents. Journal of Environmental Quality, 2003, 32, 899. | 2.0 | 22 |
| 104 | Influence of hydroxypropyl-Î²-cyclodextrin (HPCD) on the bioavailability and biodegradation of pyrene. Chemosphere, 2005, 60, 725-728. | 8.2 | 21 |
| 105 | Effects of Compost on Colonization of Roots of Plants Grown in Metalliferous Mine Tailings, as Examined by Fluorescence In Situ Hybridization. Applied and Environmental Microbiology, 2009, 75, 842-847. | 3.1 | 20 |
| 106 | Cadmium effects on transcriptional expression of rhlB/rhlC genes and congener distribution of monorhamnolipid and dirhamnolipid in Pseudomonas aeruginosa IGB83. Applied Microbiology and Biotechnology, 2010, 88, 953-963. | 3.6 | 20 |
| 107 | Evaporative Deposition Patterns of Bacteria from a Sessile Drop: Effect of Changes in Surface Wettability Due to Exposure to a Laboratory Atmosphere. Langmuir, 2010, 26, 7293-7298. | 3.5 | 20 |
| 108 | Bacterial Rhizoplane Colonization Patterns of Buchloe dactyloides Growing in Metalliferous Mine Tailings Reflect Plant Status and Biogeochemical Conditions. Microbial Ecology, 2017, 74, 853-867. | 2.8 | 20 |

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|---|---|---|---|
| 109 | Trace element mobilization during incipient bioweathering of four rock types. Geochimica Et Cosmochimica Acta, 2018, 234, 98-114. | 3.9 | 20 |
| 110 | Removal of uranium from contaminated groundwater using monorhamnolipids and ion flotation. Journal of Environmental Management, 2022, 301, 113835. | 7.8 | 20 |
| 111 | Changes in Zinc Speciation with Mine Tailings Acidification in a Semiarid Weathering Environment. Environmental Science & Technology, 2011, 45, 7166-7172. | 10.0 | 19 |
| 112 | Arsenic and iron speciation and mobilization during phytostabilization of pyritic mine tailings. Geochimica Et Cosmochimica Acta, 2020, 286, 306-323. | 3.9 | 19 |
| 113 | Aquatic Environments. , 2015, , 111-138. | | 18 |
| 114 | Biodegradation during contaminant transport in porous media: 4. Impact of microbial lag and bacterial cell growth. Journal of Contaminant Hydrology, 2001, 50, 225-242. | 3.3 | 17 |
| 115 | Biodegradation during Contaminant Transport in Porous Media. Journal of Environmental Quality, 2002, 31, 1824-1830. | 2.0 | 17 |
| 116 | Ion Flotation of La3+, Cd2+, and Cs+ using Monorhamnolipid Collector. Colloids and Interfaces, 2018, 2, 43. | 2.1 | 17 |
| 117 | Assessing Microbial Community Patterns During Incipient Soil Formation From Basalt. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 941-958. | 3.0 | 16 |
| 118 | Arid Ecosystem Vegetation Canopy-Gap Dichotomy: Influence on Soil Microbial Composition and Nutrient Cycling Functional Potential. Applied and Environmental Microbiology, 2021, 87, . | 3.1 | 16 |
| 119 | Reduction (dethiolation) of protein mixed-disulfides; distribution and specificity of dethiolating enzymes and N,Nâ€²-bis(2-chloroethyl)-N-nitrosourea inhibition of an NADPH-dependent cardiac dethiolase. Archives of Biochemistry and Biophysics, 1991, 287, 112-120. | 3.0 | 15 |
| 120 | Assessing Fungal Community Structure from Mineral Surfaces in Kartchner Caverns Using Multiplexed 454 Pyrosequencing. Microbial Ecology, 2015, 70, 175-187. | 2.8 | 15 |
| 121 | Factors Influencing Observed Variations in the Structure of Bacterial Communities On Calcite Formations in Kartchner Caverns, AZ, USA. Geomicrobiology Journal, 2012, 29, 422-434. | 2.0 | 14 |
| 122 | Biogeochemical Cycling. , 2015, , 339-373. | | 14 |
| 123 | Minimally CompetentLewisAcid Catalysts: Indium(III) and Bismuth(III) Salts Produce Rhamnosides (=6-Deoxymannosides) in High Yield and Purity. Helvetica Chimica Acta, 2012, 95, 2652-2659. | 1.6 | 13 |
| 124 | The influence of system complexity on bacterial transport in saturated porous media. Journal of Contaminant Hydrology, 2004, 74, 19-38. | 3.3 | 12 |
| 125 | Employing a novel fiber optic detection system to monitor the dynamics of in situ lux bioreporter activity in porous media: system performance update. Analytica Chimica Acta, 2004, 525, 63-74. | 5.4 | 12 |
| 126 | Influence of a nonaqueous phase liquid (NAPL) on biodegradation of phenanthrene. Biodegradation, 2006, 17, 423-435. | 3.0 | 12 |

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| 127 | Microorganisms and Metal Pollutants. , 2009, , 421-441. | | 12 |
| 128 | Proteomics Analyses of the Opportunistic PathogenBurkholderia vietnamiensisUsing Protein Fractionations and Mass Spectrometry. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-10. | 3.0 | 12 |
| 129 | Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. Environmental Science & Technology, 2022, 56, 4715-4717. | 10.0 | 12 |
| 130 | Effect of pH on cadmium toxicity, speciation, and accumulation during naphthalene biodegradation. Environmental Toxicology and Chemistry, 2002, 21, 2075-9. | 4.3 | 11 |
| 131 | Microorganisms and Organic Pollutants. , 2009, , 387-420. | | 10 |
| 132 | Real-Time, in Situ Monitoring of Bioactive Zone Dynamics in Heterogeneous Systems. Environmental Science & Technology, 2005, 39, 8898-8905. | 10.0 | 9 |
| 133 | Resolving colocalization of bacteria and metal(loid)s on plant root surfaces by combining fluorescence in situ hybridization (FISH) with multiple-energy micro-focused X-ray fluorescence (ME) Tj ETQq1 1 0.784314 rgBT /Over | | 9 |
| 134 | Controlled Experiments of Hillslope Coevolution at the Biosphere 2 Landscape Evolution Observatory: Toward Prediction of Coupled Hydrological, Biogeochemical, and Ecological Change. , 0, , . | | 9 |
| 135 | Procesos erosivos en jales de la Presa I de Nacozari de GarcÃa, Sonora y su efecto en la dispersiÃ³n de contaminantes. Boletin De La Sociedad Geologica Mexicana, 2013, 65, 27-38. | 0.3 | 9 |
| 136 | A comparison of chelator-facilitated metal uptake by a halophyte and a glycophyte. Environmental Toxicology and Chemistry, 2002, 21, 2698-704. | 4.3 | 9 |
| 137 | Development of an agar liftâ€“DNA/DNA hybridization technique for use in visualization of the spatial distribution of Eubacteria on soil surfaces. Journal of Microbiological Methods, 1999, 38, 107-117. | 1.6 | 7 |
| 138 | The influence of substrate and electron acceptor availability on bioactive zone dynamics in porous media. Journal of Contaminant Hydrology, 2003, 66, 219-237. | 3.3 | 7 |
| 139 | USE OF CYCLODEXTRIN AND CALCIUM CHLORIDE FOR ENHANCED REMOVAL OF MERCURY FROM SOIL. Environmental Toxicology and Chemistry, 2004, 23, 1888. | 4.3 | 7 |
| 140 | Optimization of arbitrarily primed PCR for the identification of bacterial isolates. Journal of Microbiological Methods, 1995, 24, 55-63. | 1.6 | 6 |
| 141 | Microorganisms. , 2009, , 9-36. | | 6 |
| 142 | Aquatic Environments. , 2009, , 103-122. | | 6 |
| 143 | Earth Environments. , 2009, , 57-82. | | 6 |
| 144 | Physiological Methods. , 2009, , 191-223. | | 6 |

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| 145 | Biogeochemical Cycling. , 2009, , 287-318. | | 5 |
| 146 | A New Standard-Based Polynomial Interpolation (SBPIn) method to address gel-to-gel variability for the comparison of multiple denaturing gradient gel electrophoresis profile matrices. Journal of Microbiological Methods, 2013, 92, 173-177. | 1.6 | 5 |
| 147 | Alleviating Environmental Health Disparities Through Community Science and Data Integration. Frontiers in Sustainable Food Systems, 2021, 5, . | 3.9 | 5 |
| 148 | Immunological Methods. , 2009, , 225-241. | | 4 |
| 149 | Soil Lysimeter Excavation for Coupled Hydrological, Geochemical, and Microbiological Investigations. Journal of Visualized Experiments, 2016, , . | 0.3 | 4 |
| 150 | Biodegradability and Toxicity of Cellobiosides and Melibiosides. Journal of Surfactants and Detergents, 2020, 23, 715-724. | 2.1 | 4 |
| 151 | Contrasting Community Assembly Forces Drive Microbial Structural and Potential Functional Responses to Precipitation in an Incipient Soil System. Frontiers in Microbiology, 2021, 12, 754698. | 3.5 | 4 |
| 152 | A method for the detection and quantitation of PCR template in environmental samples by high performance liquid chromatography. Journal of Microbiological Methods, 1997, 28, 45-53. | 1.6 | 3 |
| 153 | Biosynthesis and Applications of Glycolipid and Lipopeptide Biosurfactants. , 2002, , . | | 3 |
| 154 | Microbial Transport. , 2009, , 365-383. | | 3 |
| 155 | Extreme Environments. , 2015, , 139-153. | | 3 |
| 156 | BIODEGRADATION DURING CONTAMINANT TRANSPORT IN POROUS MEDIA: 7. IMPACT OF MULTIPLE-DEGRADER COMMUNITY DYNAMICS. Environmental Toxicology and Chemistry, 2005, 24, 2806. | 4.3 | 2 |
| 157 | Nucleic Acidâ€“Based Methods of Analysis. , 2009, , 243-284. | | 2 |
| 158 | Consequences of Biogeochemical Cycles Gone Wild. , 2009, , 319-333. | | 2 |
| 159 | Physiological Methods. , 2015, , 213-243. | | 2 |
| 160 | Transferable Training Modules. Family and Community Health, 2017, 40, 306-315. | 1.1 | 2 |
| 161 | New Soil, Old Plants, and Ubiquitous Microbes: Evaluating the Potential of Incipient Basaltic Soil to Support Native Plant Growth and Influence Belowground Soil Microbial Community Composition. Sustainability, 2020, 12, 4209. | 3.2 | 2 |
| 162 | Metal Lability and Mass Transfer Response to Direct-Planting Phytostabilization of Pyritic Mine Tailings. Minerals (Basel, Switzerland), 2022, 12, 757. | 2.0 | 2 |

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| 163 | Environmental Sample Collection and Processing. , 2009, , 137-155. | | 1 |
| 164 | Bacterial Communities in Natural Ecosystems. , 2009, , 347-356. | | 1 |
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