

# Annette R Rowe

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,063  
citations

471477

17  
h-index

552766

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1340  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Investigation of microbial metabolisms in an extremely high pH marine-like terrestrial serpentinizing system: Ney Springs. <i>Science of the Total Environment</i> , 2022, 836, 155492.   | 8.0  | 15        |
| 2  | Physiologic, Genomic, and Electrochemical Characterization of Two Heterotrophic Marine Sediment Microbes from the <i>Idiomarina</i> Genus. <i>Microorganisms</i> , 2022, 10, 1219.  | 3.6  | 0         |
| 3  | Electrochemical evidence for in situ microbial activity at the Deep Mine Microbial Observatory (DeMMO), South Dakota, USA. <i>Geobiology</i> , 2021, 19, 173-188.   | 2.4  | 7         |
| 4  | Identification of a pathway for electron uptake in <i>Shewanella oneidensis</i> . <i>Communications Biology</i> , 2021, 4, 957.   | 4.4  | 39        |
| 5  | Complete Genome Sequence of <i>Halomonas</i> sp. Strain FeN2, a Novel Cathode-Oxidizing Bacterium Isolated from Catalina Harbor Sediments. <i>Microbiology Resource Announcements</i> , 2021, 10, e0086221.   | 0.6  | 0         |
| 6  | Differences in Applied Redox Potential on Cathodes Enrich for Diverse Electrochemically Active Microbial Isolates From a Marine Sediment. <i>Frontiers in Microbiology</i> , 2019, 10, 1979.  | 3.5  | 24        |
| 7  | An electrochemical investigation of interfacial electron uptake by the sulfur oxidizing bacterium <i>Thioclava electrotropha</i> ELOx9. <i>Electrochimica Acta</i> , 2019, 324, 134838.   | 5.2  | 24        |
| 8  | Methane-Linked Mechanisms of Electron Uptake from Cathodes by <i>Methanosarcina barkeri</i> . <i>MBio</i> , 2019, 10, .   | 4.1  | 52        |
| 9  | Tracking Electron Uptake from a Cathode into <i>Shewanella</i> Cells: Implications for Energy Acquisition from Solid-Substrate Electron Donors. <i>MBio</i> , 2018, 9, .  | 4.1  | 115       |
| 10 | Variation in electrode redox potential selects for different microorganisms under cathodic current flow from electrodes in marine sediments. <i>Environmental Microbiology</i> , 2018, 20, 2270-2287.   | 3.8  | 17        |
| 11 | Self-standing Electrochemical Set-up to Enrich Anode-respiring Bacteria On-site. <i>Journal of Visualized Experiments</i> , 2018, . .   | 0.3  | 1         |
| 12 | Biomarkers™ Responses to Reductive Dechlorination Rates and Oxygen Stress in Bioaugmentation Culture KB-1TM. <i>Microorganisms</i> , 2018, 6, 13.   | 3.6  | 26        |
| 13 | <i>Thioclava electrotropha</i> sp. nov., a versatile electrode and sulfur-oxidizing bacterium from marine sediments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1652-1658.                                | 1.7  | 23        |
| 14 | The relative abundances of resolved $^{12}\text{CH}_2\text{D}_2$ and $^{13}\text{CH}_3\text{D}$ and mechanisms controlling isotopic bond ordering in abiotic and biotic methane gases. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 235-264. | 3.9  | 125       |
| 15 | In situ electrochemical enrichment and isolation of a magnetite-reducing bacterium from a high pH serpentinizing spring. <i>Environmental Microbiology</i> , 2017, 19, 2272-2285.   | 3.8  | 59        |
| 16 | Inferring Gene Networks for Strains of <i>Dehalococcoides</i> Highlights Conserved Relationships between Genes Encoding Core Catabolic and Cell-Wall Structural Proteins. <i>PLoS ONE</i> , 2016, 11, e0166234.                                     | 2.5  | 4         |
| 17 | Evolution of Cell Size Homeostasis and Growth Rate Diversity during Initial Surface Colonization of <i>Shewanella oneidensis</i> . <i>ACS Nano</i> , 2016, 10, 9183-9192.   | 14.6 | 20        |
| 18 | Electromicrobiology: realities, grand challenges, goals and predictions. <i>Microbial Biotechnology</i> , 2016, 9, 595-600.   | 4.2  | 79        |

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|----|--|------|-----------|
| 19 | Relating mRNA and protein biomarker levels in a Dehalococcoides and Methanospirillum-containing community. Applied Microbiology and Biotechnology, 2015, 99, 2313-2327.  | 3.6  | 16        |
| 20 | Meta-Analyses of Dehalococcoides mccartyi Strain 195 Transcriptomic Profiles Identify a Respiration Rate-Related Gene Expression Transition Point and Interoperon Recruitment of a Key Oxidoreductase Subunit. Applied and Environmental Microbiology, 2014, 80, 6062-6072.    | 3.1  | 32        |
| 21 | Marine sediments microbes capable of electrode oxidation as a surrogate for lithotrophic insoluble substrate metabolism. Frontiers in Microbiology, 2014, 5, 784.  | 3.5  | 86        |
| 22 | Molecular Biomarker-Based Biokinetic Modeling of a PCE-Dechlorinating and Methanogenic Mixed Culture. Environmental Science & Technology, 2013, 47, 3724-3733.   | 10.0 | 19        |
| 23 | <i>Methanospirillum</i> Respiratory mRNA Biomarkers Correlate with Hydrogenotrophic Methanogenesis Rate during Growth and Competition for Hydrogen in an Organochlorine-Respiring Mixed Culture. Environmental Science & Technology, 2013, 47, 372-381.                        | 10.0 | 8         |
| 24 | Relating Chloroethene Respiration Rates in <i>Dehalococcoides</i> to Protein and mRNA Biomarkers. Environmental Science & Technology, 2012, 46, 9388-9397.   | 10.0 | 41        |
| 25 | Comparative metagenomics of three Dehalococcoides-containing enrichment cultures: the role of the non-dechlorinating community. BMC Genomics, 2012, 13, 327.   | 2.8  | 109       |
| 26 | Characterization of the Community Structure of a Dechlorinating Mixed Culture and Comparisons of Gene Expression in Planktonic and Biofloc-Associated <i>Dehalococcoides</i> and <i>Methanospirillum</i> Species. Applied and Environmental Microbiology, 2008, 74, 6709-6719. | 3.1  | 52        |
| 27 | Morphological and Molecular Evidence of Arbuscular Mycorrhizal Fungal Associations in Costa Rican Epiphytic Bromeliads1. Biotropica, 2005, 37, 245-250.  | 1.6  | 18        |
| 28 | Identification of Six Autographa californica Multicapsid Nucleopolyhedrovirus Early Genes That Mediate Nuclear Localization of G-Actin. Journal of Virology, 2002, 76, 12281-12289.  | 3.4  | 49        |
| 29 | Genome-Scale Mutational Analysis of Cathode-Oxidizing Thioclava electrotropha ELOx9T. Frontiers in Microbiology, 0, 13, .  | 3.5  | 0         |