

# Kevin T Finneran

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,517  
citations

279798  
23  
h-index

233421  
45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2694  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Enrichment of Members of the Family Geobacteraceae Associated with Stimulation of Dissimilatory Metal Reduction in Uranium-Contaminated Aquifer Sediments. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2300-2306.   | 3.1  | 373       |
| 2  | <i>Rhodoferrax ferrireducens</i> sp. nov., a psychrotolerant, facultatively anaerobic bacterium that oxidizes acetate with the reduction of Fe(III). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 669-673.  | 1.7  | 337       |
| 3  | Multiple influences of nitrate on uranium solubility during bioremediation of uranium-contaminated subsurface sediments. <i>Environmental Microbiology</i> , 2002, 4, 510-516.  | 3.8  | 295       |
| 4  | Potential for Bioremediation of Uranium-Contaminated Aquifers with Microbial U(VI) Reduction. <i>Soil and Sediment Contamination</i> , 2002, 11, 339-357.   | 1.9  | 235       |
| 5  | Anaerobic Degradation of Methyltert-Butyl Ether (MTBE) and tert-Butyl Alcohol (TBA). <i>Environmental Science &amp; Technology</i> , 2001, 35, 1785-1790.   | 10.0 | 175       |
| 6  | Microbially Mediated Abiotic Transformation of the Antimicrobial Agent Sulfamethoxazole under Iron-Reducing Soil Conditions. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4793-4801.   | 10.0 | 127       |
| 7  | Diversity and composition of soil Acidobacteria and Proteobacteria communities as a bacterial indicator of past land-use change from forest to farmland. <i>Science of the Total Environment</i> , 2021, 797, 148944.   | 8.0  | 94        |
| 8  | Microorganisms Associated with Uranium Bioremediation in a High-Salinity Subsurface Sediment. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3672-3675.  | 3.1  | 90        |
| 9  | Microbially Mediated Biodegradation of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine by Extracellular Electron Shuttling Compounds. <i>Applied and Environmental Microbiology</i> , 2006, 72, 5933-5941.  | 3.1  | 76        |
| 10 | Influence of Ferric Iron on Complete Dechlorination of Trichloroethylene (TCE) to Ethene: Fe(III) Reduction Does Not Always Inhibit Complete Dechlorination. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7422-7430.   | 10.0 | 61        |
| 11 | Fe(III) reduction-mediated phosphate removal as vivianite (Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ·8H <sub>2</sub> O) in septic system wastewater. <i>Chemosphere</i> , 2014, 97, 1-9.   | 8.2  | 53        |
| 12 | <i>Desulfitobacterium metallireducens</i> sp. nov., an anaerobic bacterium that couples growth to the reduction of metals and humic acids as well as chlorinated compounds.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1929-1935.                      | 1.7  | 42        |
| 13 | Pore-scale evaluation of uranyl phosphate precipitation in a model groundwater system. <i>Water Resources Research</i> , 2013, 49, 874-890.   | 4.2  | 38        |
| 14 | Influence of Reduced Electron Shuttling Compounds on Biological H <sub>2</sub> Production in the Fermentative Pure Culture <i>Clostridium beijerinckii</i> . <i>Current Microbiology</i> , 2008, 56, 268-273.   | 2.2  | 37        |
| 15 | Interactions between <i>Clostridium beijerinckii</i> and <i>Geobacter metallireducens</i> in co-culture fermentation with anthrahydroquinone-2,6-disulfonate (AH <sub>2</sub> QDS) for enhanced biohydrogen production from xylose. <i>Biotechnology and Bioengineering</i> , 2013, 110, 164-172. | 3.3  | 31        |
| 16 | Palmitic acid accumulation limits methane production in anaerobic co-digestion of fats, oils and grease with municipal wastewater sludge. <i>Chemical Engineering Journal</i> , 2020, 396, 125235.  | 12.7 | 31        |
| 17 | Geochemical and microbiological processes contributing to the transformation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in contaminated aquifer material. <i>Chemosphere</i> , 2011, 84, 1223-1230.   | 8.2  | 29        |
| 18 | Lignocellulosic hydrolysates and extracellular electron shuttles for H <sub>2</sub> production using co-culture fermentation with <i>Clostridium beijerinckii</i> and <i>Geobacter metallireducens</i> . <i>Bioresource Technology</i> , 2013, 147, 89-95.  | 9.6  | 29        |

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|----|--|------|-----------|
| 19 | Potential for <i>In Situ</i> Bioremediation of a Low-pH, High-Nitrate Uranium-Contaminated Groundwater. <i>Soil and Sediment Contamination</i> , 2003, 12, 865-884.  | 1.9  | 28        |
| 20 | Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) Biodegradation Kinetics Amongst Several Fe(III)-Reducing Genera. <i>Soil and Sediment Contamination</i> , 2008, 17, 189-203.  | 1.9  | 28        |
| 21 | Anthrahydroquinone-2,6-disulfonate (AH2QDS) increases hydrogen molar yield and xylose utilization in growing cultures of <i>Clostridium beijerinckii</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 855-864.  | 3.6  | 27        |
| 22 | Electron shuttle-stimulated RDX mineralization and biological production of 4-nitro-2,4-diazabutanal (NDAB) in RDX-contaminated aquifer material. <i>Biodegradation</i> , 2010, 21, 923-937.   | 3.0  | 26        |
| 23 | Iron and Electron Shuttle Mediated (Bio)degradation of 2,4-Dinitroanisole (DNAN). <i>Environmental Science &amp; Technology</i> , 2017, 51, 10729-10735.   | 10.0 | 25        |
| 24 | Anthrahydroquinone-2,6-disulfonate increases the rate of hydrogen production during <i>Clostridium beijerinckii</i> fermentation with glucose, xylose, and cellobiose. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11701-11709.                                    | 7.1  | 21        |
| 25 | Microbial community analyses of three distinct, liquid cultures that degrade methyl tert-butyl ether using anaerobic metabolism. <i>Biodegradation</i> , 2009, 20, 695-707.  | 3.0  | 20        |
| 26 | Potential for <i>In Situ</i> Bioremediation of a Low-pH, High-Nitrate Uranium-Contaminated Groundwater. <i>Soil and Sediment Contamination</i> , 2003, 12, 865-884.  | 1.9  | 19        |
| 27 | Ferric iron amendment increases Fe(III)-reducing microbial diversity and carbon oxidation in on-site wastewater systems. <i>Chemosphere</i> , 2013, 90, 1435-1443.   | 8.2  | 18        |
| 28 | Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Reduction Is Concurrently Mediated by Direct Electron Transfer from Hydroquinones and Resulting Biogenic Fe(II) Formed During Electron Shuttle-Amended Biodegradation. <i>Environmental Engineering Science</i> , 2009, 26, 961-971. | 1.6  | 17        |
| 29 | Low and high acetate amendments are equally as effective at promoting complete dechlorination of trichloroethylene (TCE). <i>Biodegradation</i> , 2013, 24, 413-425.   | 3.0  | 17        |
| 30 | Preferential flow in the vadose zone and interface dynamics: Impact of microbial exudates. <i>Journal of Hydrology</i> , 2018, 558, 72-89.   | 5.4  | 13        |
| 31 | <i>Clostridium geopurificans</i> Strain MJ1 sp. nov., A Strictly Anaerobic Bacterium that Grows via Fermentation and Reduces the Cyclic Nitramine Explosive Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX). <i>Current Microbiology</i> , 2014, 68, 743-750.                        | 2.2  | 12        |
| 32 | Combined biological and abiotic reactions with iron and Fe( <sup>iii</sup> )-reducing microorganisms for remediation of explosives and insensitive munitions (IM). <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 34-39.                                   | 2.4  | 12        |
| 33 | Microbial Community Composition during Anaerobic Mineralization of <i>tert</i> -Butyl Alcohol (TBA) in Fuel-Contaminated Aquifer Material. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3012-3018.  | 10.0 | 11        |
| 34 | <i>Hydrogenophaga carboriunda</i> sp. nov., a Tertiary Butyl Alcohol-Oxidizing, Psychrotolerant Aerobe Derived from Granular-Activated Carbon (GAC). <i>Current Microbiology</i> , 2014, 68, 510-517.  | 2.2  | 11        |
| 35 | Aerobic biodegradation of <i>tert</i> -butyl alcohol (TBA) by psychro- and thermo-tolerant cultures derived from granular activated carbon (GAC). <i>Biodegradation</i> , 2008, 19, 259-268.   | 3.0  | 10        |
| 36 | Ferric iron and extracellular electron shuttling increase xylose utilization and butanol production during fermentation with multiple solventogenic bacteria. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 8053-8061.  | 3.6  | 9         |

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| 37 | Exogenous anthrahydroquinone-2,6-disulfonate specifically increases xylose utilization during mixed sugar fermentation by <i>Clostridium beijerinckii</i> NCIMB 8052. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2719-2727.           | 7.1  | 8         |
| 38 | Photobiological transformation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) using <i>Rhodobacter sphaeroides</i> . <i>Chemosphere</i> , 2016, 159, 138-144.  | 8.2  | 7         |
| 39 | Electron Shuttle-Mediated Biotransformation of Hexahydro-1,3,5-trinitro-1,3,5-triazine Adsorbed to Granular Activated Carbon. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130724144046004.   | 10.0 | 5         |
| 40 | Taxonomic and Functional Variations Induced by an Overloading Event in Anaerobic Codigestion of Municipal Wastewater Sludge with Fats, Oils, and Grease. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1205-1216.   | 7.6  | 5         |
| 41 | Electron shuttling to ferrihydrite selects for fermentative rather than $\text{Fe}^{3+}$ -reducing biomass in xylose-fed batch reactors derived from three different inoculum sources. <i>Biotechnology and Bioengineering</i> , 2018, 115, 577-585.   | 3.3  | 4         |
| 42 | Solvent production from xylose. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8707-8715.  | 3.6  | 4         |
| 43 | Combined Biotic&Amp;Abiotic 2,4-Dinitroanisole Degradation in the Presence of Hexahydro-1,3,5-trinitro-1,3,5-triazine. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10638-10645.  | 10.0 | 4         |
| 44 | Increasing electron donor concentration does not accelerate complete microbial reductive dechlorination in contaminated sediment with native organic carbon. <i>Biodegradation</i> , 2021, 32, 577-593.  | 3.0  | 2         |
| 45 | Enhancing xylose and glucose utilization as well as solvent production using a simplified three-electrode potentiostat system during <i>Clostridium</i> fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 889-895. | 3.0  | 1         |
| 46 | Ferric Iron Amendment Increases Carbon Oxidation and Limits Methane Production in &lt;I&gt;On-Site&lt;/I&gt; Wastewater (Septic Systems). <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 7028-7033.                              | 0.0  | 0         |