Kevin T Finneran

List of Publications by Year
in descending order

46 papers	2,517 citations	279701 23 h-index	233338 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. Applied and Environmental Microbiology, 2002, 68, 2300-2306.	1.4	373
2	Rhodoferax ferrireducens sp. nov., a psychrotolerant, facultatively anaerobic bacterium that oxidizes acetate with the reduction of Fe(III). International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 669-673.	0.8	337
3	Multiple influences of nitrate on uranium solubility during bioremediation of uranium-contaminated subsurface sediments. Environmental Microbiology, 2002, 4, 510-516.	1.8	295
4	Potential for Bioremediation of Uranium-Contaminated Aquifers with Microbial U(VI) Reduction. Soil and Sediment Contamination, 2002, 11, 339-357.	1.1	235
5	Anaerobic Degradation of Methyltert-Butyl Ether (MTBE) andtert-Butyl Alcohol (TBA). Environmental Science & Technology, 2001, 35, 1785-1790.	4.6	175
6	Microbially Mediated Abiotic Transformation of the Antimicrobial Agent Sulfamethoxazole under Iron-Reducing Soil Conditions. Environmental Science & Technology, 2011, 45, 4793-4801.	4.6	127
7	Diversity and composition of soil Acidobacteria and Proteobacteria communities as a bacterial indicator of past land-use change from forest to farmland. Science of the Total Environment, 2021, 797, 148944.	3.9	94
8	Microorganisms Associated with Uranium Bioremediation in a High-Salinity Subsurface Sediment. Applied and Environmental Microbiology, 2003, 69, 3672-3675.	1.4	90
9	Microbially Mediated Biodegradation of Hexahydro-1,3,5-Trinitro-1,3,5- Triazine by Extracellular Electron Shuttling Compounds. Applied and Environmental Microbiology, 2006, 72, 5933-5941.	1.4	76
10	Influence of Ferric Iron on Complete Dechlorination of Trichloroethylene (TCE) to Ethene: Fe(III) Reduction Does Not Always Inhibit Complete Dechlorination. Environmental Science & Technology, 2011, 45, 7422-7430.	4.6	61
11	Fe(III) reduction-mediated phosphate removal as vivianite (Fe3(PO4)2â‹…8H2O) in septic system wastewater. Chemosphere, 2014, 97, 1-9.	4.2	53
12	Desulfitobacterium metallireducens sp. nov., an anaerobic bacterium that couples growth to the reduction of metals and humic acids as well as chlorinated compounds.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1929-1935.	0.8	42
13	Poreâ€scale evaluation of uranyl phosphate precipitation in a model groundwater system. Water Resources Research, 2013, 49, 874-890.	1.7	38
14	Influence of Reduced Electron Shuttling Compounds on Biological H2 Production in the Fermentative Pure Culture Clostridium beijerinckii. Current Microbiology, 2008, 56, 268-273.	1.0	37
15	Interactions between <i>Clostridium beijerinckii</i> and <i>Geobacter metallireducens</i> in coâ€culture fermentation with anthrahydroquinoneâ€2, 6â€disulfonate (AH₂QDS) for enhanced biohydrogen production from xylose. Biotechnology and Bioengineering, 2013, 110, 164-172.	1.7	31
16	Palmitic acid accumulation limits methane production in anaerobic co-digestion of fats, oils and grease with municipal wastewater sludge. Chemical Engineering Journal, 2020, 396, 125235.	6.6	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. Chemosphere, 2011, 84, 1223-1230.	4.2	29
18	Lignocellulosic hydrolysates and extracellular electron shuttles for H2 production using co-culture fermentation with Clostridium beijerinckii and Geobacter metallireducens. Bioresource Technology, 2013, 147, 89-95.	4.8	29

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19	Potential for <i>In Situ</i> Bioremediation of a Low-pH, High-Nitrate Uranium-Contaminated Groundwater. Soil and Sediment Contamination, 2003, 12, 865-884.	1.1	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. Soil and Sediment Contamination, 2008, 17, 189-203.	1.1	28
21	Anthrahydroquinone-2,6,-disulfonate (AH2QDS) increases hydrogen molar yield and xylose utilization in growing cultures of Clostridium beijerinckii. Applied Microbiology and Biotechnology, 2011, 92, 855-864.	1.7	27
22	Electron shuttle-stimulated RDX mineralization and biological production of 4-nitro-2,4-diazabutanal (NDAB) in RDX-contaminated aquifer material. Biodegradation, 2010, 21, 923-937.	1.5	26
23	Iron and Electron Shuttle Mediated (Bio)degradation of 2,4-Dinitroanisole (DNAN). Environmental Science & Technology, 2017, 51, 10729-10735.	4.6	25
24	Anthrahydroquinone-2,6-disulfonate increases the rate of hydrogen production during Clostridium beijerinckii fermentation with glucose, xylose, and cellobiose. International Journal of Hydrogen Energy, 2012, 37, 11701-11709.	3.8	21
25	Microbial community analyses of three distinct, liquid cultures that degrade methyl tert-butyl ether using anaerobic metabolism. Biodegradation, 2009, 20, 695-707.	1.5	20
26	Potential for <i>In Situ</i> Bioremediation of a Low-pH, High-Nitrate Uranium-Contaminated Groundwater. Soil and Sediment Contamination, 2003, 12, 865-884.	1.1	19
27	Ferric iron amendment increases Fe(III)-reducing microbial diversity and carbon oxidation in on-site wastewater systems. Chemosphere, 2013, 90, 1435-1443.	4.2	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. Environmental Engineering Science, 2009, 26, 961-971.	0.8	17
29	Low and high acetate amendments are equally as effective at promoting complete dechlorination of trichloroethylene (TCE). Biodegradation, 2013, 24, 413-425.	1.5	17
30	Preferential flow in the vadose zone and interface dynamics: Impact of microbial exudates. Journal of Hydrology, 2018, 558, 72-89.	2.3	13
31	Clostridium geopurificans 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). Current Microbiology, 2014, 68, 743-750.	1.0	12
32	Combined biological and abiotic reactions with iron and Fe(<scp>iii</scp>)-reducing microorganisms for remediation of explosives and insensitive munitions (IM). Environmental Science: Water Research and Technology, 2015, 1, 34-39.	1.2	12
33	Microbial Community Composition during Anaerobic Mineralization of <i>tert</i>-Butyl Alcohol (TBA) in Fuel-Contaminated Aquifer Material. Environmental Science & Technology, 2011, 45, 3012-3018.	4.6	11
34	Hydrogenophaga carboriunda sp. nov., a Tertiary Butyl Alcohol-Oxidizing, Psychrotolerant Aerobe Derived from Granular-Activated Carbon (GAC). Current Microbiology, 2014, 68, 510-517.	1.0	11
35	Aerobic biodegradation of tert-butyl alcohol (TBA) by psychro- and thermo-tolerant cultures derived from granular activated carbon (GAC). Biodegradation, 2008, 19, 259-268.	1.5	10
36	Ferric iron and extracellular electron shuttling increase xylose utilization and butanol production during fermentation with multiple solventogenic bacteria. Applied Microbiology and Biotechnology, 2017, 101, 8053-8061.	1.7	9

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37	Exogenous anthrahydroquinone-2,6-disulfonate specifically increases xylose utilization during mixed sugar fermentation by Clostridium beijerinckii NCIMB 8052. International Journal of Hydrogen Energy, 2013, 38, 2719-2727.	3.8	8
38	Photobiological transformation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) using Rhodobacter sphaeroides. Chemosphere, 2016, 159, 138-144.	4.2	7
39	Electron Shuttle-Mediated Biotransformation of Hexahydro-1,3,5-trinitro-1,3,5-triazine Adsorbed to Granular Activated Carbon. Environmental Science & Technology, 2013, 47, 130724144046004.	4.6	5
40	Taxonomic and Functional Variations Induced by an Overloading Event in Anaerobic Codigestion of Municipal Wastewater Sludge with Fats, Oils, and Grease. ACS ES&T Engineering, 2021, 1, 1205-1216.	3.7	5
41	Electron shuttling to ferrihydrite selects for fermentative rather than Fe³⁺â€”reducing biomass in xyloseâ€”fed batch reactors derived from three different inoculum sources. Biotechnology and Bioengineering, 2018, 115, 577-585.	1.7	4
42	Solvent production from xylose. Applied Microbiology and Biotechnology, 2018, 102, 8707-8715.	1.7	4
43	Combined Bioticâ€“Abiotic 2,4-Dinitroanisole Degradation in the Presence of Hexahydro-1,3,5-trinitro-1,3,5-triazine. Environmental Science & Technology, 2020, 54, 10638-10645.	4.6	4
44	Increasing electron donor concentration does not accelerate complete microbial reductive dechlorination in contaminated sediment with native organic carbon. Biodegradation, 2021, 32, 577-593.	1.5	2
45	Enhancing xylose and glucose utilization as well as solvent production using a simplified three-electrode potentiostat system during Clostridium fermentation. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 889-895.	1.4	1
46	Ferric Iron Amendment Increases Carbon Oxidation and Limits Methane Production in <I>On-Site</I> Wastewater (Septic Systems). Proceedings of the Water Environment Federation, 2010, 2010, 7028-7033.	0.0	0