

# Aaron D Peacock

## List of Publications by Year in descending order

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38  
papers

2,868  
citations

236925

25  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3934  
citing authors

#	ARTICLE	IF	CITATIONS
1	PLANT DIVERSITY, SOIL MICROBIAL COMMUNITIES, AND ECOSYSTEM FUNCTION: ARE THERE ANY LINKS?. <i>Ecology</i> , 2003, 84, 2042-2050.	3.2	991
2	Microbiological and Geochemical Heterogeneity in an In Situ Uranium Bioremediation Field Site. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6308-6318.	3.1	220
3	Diversity and Characterization of Sulfate-Reducing Bacteria in Groundwater at a Uranium Mill Tailings Site. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3149-3160.	3.1	196
4	Uranium removal from groundwater via in situ biostimulation: Field-scale modeling of transport and biological processes. <i>Journal of Contaminant Hydrology</i> , 2007, 93, 216-235.	3.3	152
5	Microbial Incorporation of <sup>13</sup> C-Labeled Acetate at the Field Scale: Detection of Microbes Responsible for Reduction of U(VI). <i>Environmental Science &amp; Technology</i> , 2005, 39, 9039-9048.	10.0	104
6	<i>Solirubrobacter pauli</i> gen. nov., sp. nov., a mesophilic bacterium within the Rubrobacteridae related to common soil clones. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 485-490.	1.7	92
7	Physiological and taxonomic description of the novel autotrophic, metal oxidizing bacterium, <i>Pseudogulbenkiania</i> sp. strain 2002. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 555-565.	3.6	76
8	Diversity of the Microeukaryotic Community in Sulfide-Rich Zedletone Spring (Oklahoma). <i>Applied and Environmental Microbiology</i> , 2005, 71, 6175-6184.	3.1	68
9	Carbon isotope signatures of fatty acids in <i>Geobacter metallireducens</i> and <i>Shewanella</i> algae. <i>Chemical Geology</i> , 2003, 195, 17-28.	3.3	65
10	Atmospheric pressure chemical ionization and atmospheric pressure photoionization for simultaneous mass spectrometric analysis of microbial respiratory ubiquinones and menaquinones. <i>Journal of Mass Spectrometry</i> , 2004, 39, 922-929.	1.6	64
11	Lipid biomarkers and carbon-isotopes of modern travertine deposits (Yellowstone National Park, USA): Implications for biogeochemical dynamics in hot-spring systems. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3157-3169.	3.9	63
12	Biogeochemical Processes and Microbial Characteristics across Groundwater~Surface Water Boundaries of the Hanford Reach of the Columbia River. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5127-5134.	10.0	61
13	Bicarbonate impact on U(VI) bioreduction in a shallow alluvial aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 106-124.	3.9	58
14	Deep Subsurface Microbial Biomass and Community Structure in Witwatersrand Basin Mines. <i>Geomicrobiology Journal</i> , 2006, 23, 431-442.	2.0	56
15	Identification and Isolation of a <i>Castellaniella</i> Species Important during Biostimulation of an Acidic Nitrate- and Uranium-Contaminated Aquifer. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4892-4904.	3.1	55
16	Microbial Community Analysis of Water, Foregut, and Hindgut during Growth of Pacific White Shrimp, <i>Litopenaeus vannamei</i> , in Closed~System Aquaculture. <i>Journal of the World Aquaculture Society</i> , 2008, 39, 251-258.	2.4	55
17	Biogeochemical Processes In Ethanol Stimulated Uranium-contaminated Subsurface Sediments. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4384-4390.	10.0	49
18	Phospholipid Furan Fatty Acids and Ubiquinone-8: Lipid Biomarkers That May Protect <i>Dehalococcoides</i> Strains from Free Radicals. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8426-8433.	3.1	45

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19	Bioâ€Traps Coupled with Molecular Biological Methods and Stable Isotope Probing Demonstrate the In Situ Biodegradation Potential of MTBE and TBA in Gasolineâ€Contaminated Aquifers. <i>Ground Water Monitoring and Remediation</i> , 2008, 28, 47-62.	0.8	42
20	Microbial Functional Gene Diversity with a Shift of Subsurface Redox Conditions during <i>In Situ</i> Uranium Reduction. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2966-2972.	3.1	42
21	Suspension Array Analysis of 16S rRNA from Fe- and SO <sub>4</sub> <sup>2-</sup> -Reducing Bacteria in Uranium-Contaminated Sediments Undergoing Bioremediation. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4672-4687.	3.1	41
22	Spatial patterns of bacterial signature biomarkers in marine sediments of the Gulf of Mexico. <i>Chemical Geology</i> , 2007, 238, 168-179.	3.3	36
23	Changes in Microbial Community Composition and Geochemistry during Uranium and Technetium Bioimmobilization. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5885-5896.	3.1	35
24	Uranium Immobilization in an Iron-Rich Rhizosphere of a Native Wetland Plant from the Savannah River Site under Reducing Conditions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9270-9278.	10.0	35
25	Forensic Analysis by Comprehensive Rapid Detection of Pathogens and Contamination Concentrated in Biofilms in Drinking Water Systems for Water Resource Protection and Management. <i>Environmental Forensics</i> , 2003, 4, 63-74.	2.6	25
26	Selecting indicators of soil, microbial, and plant conditions to understand ecological changes in Georgia pine forests. <i>Ecological Indicators</i> , 2008, 8, 818-827.	6.3	25
27	Application of Nonlinear Analysis Methods for Identifying Relationships Between Microbial Community Structure and Groundwater Geochemistry. <i>Microbial Ecology</i> , 2006, 51, 177-188.	2.8	23
28	Postbiostimulation microbial community structure changes that control the reoxidation of uranium. <i>FEMS Microbiology Ecology</i> , 2010, 74, 184-195.	2.7	19
29	Treatment of Nitric Acid-, U(VI)-, and Tc(VII)-Contaminated Groundwater in Intermediate-Scale Physical Models of an In Situ Biobarrier. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1952-1961.	10.0	15
30	Profiling In Situ Microbial Community Structure with an Amplification Microarray. <i>Applied and Environmental Microbiology</i> , 2013, 79, 799-807.	3.1	12
31	Uranium Redistribution Due to Water Table Fluctuations in Sandy Wetland Mesocosms. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12214-12222.	10.0	11
32	Monitored natural attenuation forum: The use of carbon isotope analysis at MNA sites. <i>Remediation</i> , 2007, 17, 127-137.	2.4	9
33	Multiply Methylâ€Branched Fatty Acids and Diacids in the Polar Lipids of a Microaerophilic Subsurface Microbial Community. <i>Lipids</i> , 2008, 43, 843-851.	1.7	9
34	Uranium fate in wetland mesocosms: Effects of plants at two iron loadings with different pH values. <i>Chemosphere</i> , 2016, 163, 116-124.	8.2	7
35	Spatial Distribution of <i>Geobacteraceae</i> and Sulfateâ€Reducing Bacteria During <i>In Situ</i> Bioremediation of Uraniumâ€Contaminated Groundwater. <i>Remediation</i> , 2013, 23, 31-49.	2.4	6
36	Fieldâ€scale uranium (VI) bioimmobilization monitored by lipid biomarkers and <sup>13</sup> Câ€acetate incorporation. <i>Remediation</i> , 2011, 21, 85-106.	2.4	4

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37	In-well sediment incubators to evaluate microbial community stability and dynamics following bioimmobilization of uranium. <i>Remediation</i> , 2009, 19, 73-89.	2.4	1
38	Effects of Microbial Community Structure, Terminal Electron Accepting Conditions, and Molybdate on the Extent of U(VI) Reduction in Landfill Aquifer Sediments. <i>Geomicrobiology Journal</i> , 2011, 28, 430-443.	2.0	1