Kenneth H Williams

List of Publications by Year
in descending order

155 papers	11,691 citations	31976 53 h-index	32842 100 g-index
163 all docs	163 docs citations	163 times ranked	10594 citing authors

#	Article	IF	Citations
1	Surface parameters and bedrock properties covary across a mountainous watershed: Insights from machine learning and geophysics. Science Advances, 2022, 8, eabj2479.	10.3	12
2	Direct Observation of the Depth of Active Groundwater Circulation in an Alpine Watershed. Water Resources Research, 2021, 57, .	4.2	7
3	Modeling geogenic and atmospheric nitrogen through the East River Watershed, Colorado Rocky Mountains. PLoS ONE, 2021, 16, e0247907.	2.5	9
4	Bedrock weathering contributes to subsurface reactive nitrogen and nitrous oxide emissions. Nature Geoscience, 2021, 14, 217-224.	12.9	18
5	Hysteresis Patterns of Watershed Nitrogen Retention and Loss Over the Past 50Âyears in United States Hydrological Basins. Global Biogeochemical Cycles, 2021, 35, e2020GB006777.	4.9	29
6	The Colorado East River Community Observatory Data Collection. Hydrological Processes, 2021, 35, e14243.	2.6	10
7	Effect of elevation, season and accelerated snowmelt on biogeochemical processes during isolated conifer needle litter decomposition. PeerJ, 2021, 9, e11926.	2.0	1
8	Probabilistic Evaluation of Geoscientific Hypotheses With Geophysical Data: Application to Electrical Resistivity Imaging of a Fractured Bedrock Zone. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021767.	3.4	3
9	Concentrationâ€Discharge Relationships of Dissolved Rhenium in Alpine Catchments Reveal Its Use as a Tracer of Oxidative Weathering. Water Resources Research, 2021, 57, e2021WR029844.	4.2	13
10	Baseflow Age Distributions and Depth of Active Groundwater Flow in a Snowâ€Dominated Mountain Headwater Basin. Water Resources Research, 2020, 56, e2020WR028161.	4.2	10
11	Integrating airborne remote sensing and field campaigns for ecology and Earth system science. Methods in Ecology and Evolution, 2020, 11, 1492-1508.	5.2	33
12	The Snowmelt Niche Differentiates Three Microbial Life Strategies That Influence Soil Nitrogen Availability During and After Winter. Frontiers in Microbiology, 2020, 11, 871.	3.5	32
13	Phosphorus Speciation in Atmospherically Deposited Particulate Matter and Implications for Terrestrial Ecosystem Productivity. Environmental Science & Technology, 2020, 54, 4984-4994.	10.0	8
14	Persistence and Plasticity in Conifer Waterâ€Use Strategies. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2018JG004845.	3.0	24
15	Efficiency of the Summer Monsoon in Generating Streamflow Within a Snowâ€Dominated Headwater Basin of the Colorado River. Geophysical Research Letters, 2020, 47, e2020GL090856.	4.0	16
16	Accelerated Snowmelt Protocol to Simulate Climate Change Induced Impacts on Snowpack Dependent Ecosystems. Bio-protocol, 2020, 10, e3557.	0.4	2
17	A comparison of lodgepole and spruce needle chemistry impacts on terrestrial biogeochemical processes during isolated decomposition. PeerJ, 2020, 8, e9538.	2.0	6
18	Resolution matters when modeling climate change in headwaters of the Colorado River. Environmental Research Letters, 2020, 15, 104031.	5.2	10

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19	Depthâ€•and Timeâ€Resolved Distributions of Snowmeltâ€Driven Hillslope Subsurface Flow and Transport and Their Contributions to Surface Waters. Water Resources Research, 2019, 55, 9474-9499.	4.2	25
20	Hyporheic Zone Microbiome Assembly Is Linked to Dynamic Water Mixing Patterns in Snowmeltâ€Dominated Headwater Catchments. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3269-3280.	3.0	25
21	Streamflow partitioning and transit time distribution in snow-dominated basins as a function of climate. Journal of Hydrology, 2019, 570, 726-738.	5.4	20
22	The Importance of Interflow to Groundwater Recharge in a Snowmeltâ€Dominated Headwater Basin. Geophysical Research Letters, 2019, 46, 5899-5908.	4.0	73
23	Return flows from beaver ponds enhance floodplain-to-river metals exchange in alluvial mountain catchments. Science of the Total Environment, 2019, 685, 357-369.	8.0	24
24	Microbial communities across a hillslopeâ€riparian transect shaped by proximity to the stream, groundwater table, and weathered bedrock. Ecology and Evolution, 2019, 9, 6869-6900.	1.9	24
25	Investigating Microtopographic and Soil Controls on a Mountainous Meadow Plant Community Using Highâ€Resolution Remote Sensing and Surface Geophysical Data. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1618-1636.	3.0	23
26	Distinct Source Water Chemistry Shapes Contrasting Concentrationâ€Discharge Patterns. Water Resources Research, 2019, 55, 4233-4251.	4.2	103
27	From Grain to Floodplain: Evaluating heterogeneity of floodplain hydrostatigraphy using sedimentology, geophysics, and remote sensing. Earth Surface Processes and Landforms, 2019, 44, 1799-1815.	2.5	11
28	Characterizing organic carbon dynamics during biostimulation of a uranium contaminated field site. Biogeochemistry, 2019, 143, 117-132.	3.5	3
29	Isotopic Fingerprint of Uranium Accumulation and Redox Cycling in Floodplains of the Upper Colorado River Basin. Environmental Science & Technology, 2019, 53, 3399-3409.	10.0	14
30	Challenges in Building an End-to-End System for Acquisition, Management, and Integration of Diverse Data From Sensor Networks in Watersheds: Lessons From a Mountainous Community Observatory in East River, Colorado. IEEE Access, 2019, 7, 182796-182813.	4.2	18
31	Heterogeneity in Hyporheic Flow, Pore Water Chemistry, and Microbial Community Composition in an Alpine Streambed. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3465-3478.	3.0	41
32	Correlative Cryogenic Spectromicroscopy to Investigate Selenium Bioreduction Products. Environmental Science & Technology, 2018, 52, 503-512.	10.0	24
33	Field Application of ²³⁸U/²³⁵U Measurements To Detect Reoxidation and Mobilization of U(IV). Environmental Science & Technology, 2018, 52, 3422-3430.	10.0	18
34	Potential for Methanosarcina to Contribute to Uranium Reduction during Acetate-Promoted Groundwater Bioremediation. Microbial Ecology, 2018, 76, 660-667.	2.8	27
35	Predicting the impact of land management decisions on overland flow generation: Implications for cesium migration in forested Fukushima watersheds. Advances in Water Resources, 2018, 113, 42-54.	3.8	2
36	Decay curve analysis for data error quantification in time-domain induced polarization imaging. Geophysics, 2018, 83, E75-E86.	2.6	20

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37	Geochemical Exports to River From the Intrameander Hyporheic Zone Under Transient Hydrologic Conditions: East River Mountainous Watershed, Colorado. Water Resources Research, 2018, 54, 8456-8477.	4.2	66
38	Deep Unsaturated Zone Contributions to Carbon Cycling in Semiarid Environments. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3045-3054.	3.0	15
39	Uranium Retention in a Bioreduced Region of an Alluvial Aquifer Induced by the Influx of Dissolved Oxygen. Environmental Science & Technology, 2018, 52, 8133-8145.	10.0	16
40	Transport and humification of dissolved organic matter within a semi-arid floodplain. Journal of Environmental Sciences, 2017, 57, 24-32.	6.1	24
41	Snowmelt controls on concentrationâ€discharge relationships and the balance of oxidative and acidâ€base weathering fluxes in an alpine catchment, <scp>E</scp>ast <scp>R</scp>iver, <scp>C</scp>olorado. Water Resources Research, 2017, 53, 2507-2523.	4.2	98
42	Water Table Dynamics and Biogeochemical Cycling in a Shallow, Variably-Saturated Floodplain. Environmental Science & Technology, 2017, 51, 3307-3317.	10.0	100
43	Anoxia stimulates microbially catalyzed metal release from Animas River sediments. Environmental Sciences: Processes and Impacts, 2017, 19, 578-585.	3.5	14
44	Thermodynamically controlled preservation of organic carbon in floodplains. Nature Geoscience, 2017, 10, 415-419.	12.9	234
45	Production of Hydrogen Peroxide in Groundwater at Rifle, Colorado. Environmental Science & Technology, 2017, 51, 7881-7891.	10.0	54
46	Unusual respiratory capacity and nitrogen metabolism in a Parcubacterium (OD1) of the Candidate Phyla Radiation. Scientific Reports, 2017, 7, 40101.	3.3	119
47	Oxidative Uranium Release from Anoxic Sediments under Diffusion-Limited Conditions. Environmental Science & Technology, 2017, 51, 11039-11047.	10.0	21
48	Redox Controls over the Stability of U(IV) in Floodplains of the Upper Colorado River Basin. Environmental Science & Technology, 2017, 51, 10954-10964.	10.0	33
49	Metatranscriptomic Analysis Reveals Unexpectedly Diverse Microbial Metabolism in a Biogeochemical Hot Spot in an Alluvial Aquifer. Frontiers in Microbiology, 2017, 8, 40.	3.5	14
50	Abundance and Distribution of Microbial Cells and Viruses in an Alluvial Aquifer. Frontiers in Microbiology, 2017, 8, 1199.	3.5	28
51	Quantifying shallow subsurface water and heat dynamics using coupled hydrological-thermal-geophysical inversion. Hydrology and Earth System Sciences, 2016, 20, 3477-3491.	4.9	16
52	Deep Vadose Zone Respiration Contributions to Carbon Dioxide Fluxes from a Semiarid Floodplain. Vadose Zone Journal, 2016, 15, 1-14.	2.2	24
53	Hierarchical Bayesian method for mapping biogeochemical hot spots using induced polarization imaging. Water Resources Research, 2016, 52, 533-551.	4.2	36
54	Microbial Metagenomics Reveals Climate-Relevant Subsurface Biogeochemical Processes. Trends in Microbiology, 2016, 24, 600-610.	7.7	35

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55	RubisCO of a nucleoside pathway known from Archaea is found in diverse uncultivated phyla in bacteria. ISME Journal, 2016, 10, 2702-2714.	9.8	98
56	Identifying geochemical hot moments and their controls on a contaminated river floodplain system using wavelet and entropy approaches. Environmental Modelling and Software, 2016, 85, 27-41.	4.5	35
57	Estimating groundwater dynamics at a Colorado River floodplain site using historical hydrological data and climate information. Water Resources Research, 2016, 52, 1881-1898.	4.2	1
58	Contrasting the hydrologic response due to land cover and climate change in a mountain headwaters system. Ecohydrology, 2016, 9, 1431-1438.	2.4	29
59	Seasonal hyporheic dynamics control coupled microbiology and geochemistry in Colorado River sediments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2976-2987.	3.0	49
60	Reactive transport of uranium in a groundwater bioreduction study: Insights from high-temporal resolution 238U/235U data. Geochimica Et Cosmochimica Acta, 2016, 187, 218-236.	3.9	21
61	Thousands of microbial genomes shed light on interconnected biogeochemical processes in an aquifer system. Nature Communications, 2016, 7, 13219.	12.8	994
62	Using geochemical indicators to distinguish high biogeochemical activity in floodplain soils and sediments. Science of the Total Environment, 2016, 563-564, 386-395.	8.0	12
63	Critical biogeochemical functions in the subsurface are associated with bacteria from new phyla and little studied lineages. Environmental Microbiology, 2016, 18, 159-173.	3.8	164
64	Influence of hydrological, biogeochemical and temperature transients on subsurface carbon fluxes in a flood plain environment. Biogeochemistry, 2016, 127, 367-396.	3.5	76
65	Metatranscriptomic evidence of pervasive and diverse chemolithoautotrophy relevant to C, S, N and Fe cycling in a shallow alluvial aquifer. ISME Journal, 2016, 10, 2106-2117.	9.8	119
66	Physico-Chemical Heterogeneity of Organic-Rich Sediments in the Rifle Aquifer, CO: Impact on Uranium Biogeochemistry. Environmental Science & Technology, 2016, 50, 46-53.	10.0	77
67	Iron and Carbon Dynamics during Aging and Reductive Transformation of Biogenic Ferrihydrite. Environmental Science & Technology, 2016, 50, 25-35.	10.0	34
68	Analysis of five complete genome sequences for members of the class Peribacteria in the recently recognized Peregrinibacteria bacterial phylum. PeerJ, 2016, 4, e1607.	2.0	57
69	Introduction to special section: Characterization and monitoring of subsurface contamination. Interpretation, 2015, 3, SABi-SABii.	1.1	1
70	Accurate, multi-kb reads resolve complex populations and detect rare microorganisms. Genome Research, 2015, 25, 534-543.	5.5	121
71	Aquifer environment selects for microbial species cohorts in sediment and groundwater. ISME Journal, 2015, 9, 1846-1856.	9.8	88
72	Diverse uncultivated ultra-small bacterial cells in groundwater. Nature Communications, 2015, 6, 6372.	12.8	342

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73	Genomic Expansion of Domain Archaea Highlights Roles for Organisms from New Phyla in Anaerobic Carbon Cycling. Current Biology, 2015, 25, 690-701.	3.9	522
74	Long-Term in Situ Oxidation of Biogenic Uraninite in an Alluvial Aquifer: Impact of Dissolved Oxygen and Calcium. Environmental Science & Technology, 2015, 49, 7340-7347.	10.0	23
75	Unusual biology across a group comprising more than 15% of domain Bacteria. Nature, 2015, 523, 208-211.	27.8	1,050
76	Influence of Carbon and Microbial Community Priming on the Attenuation of Uranium in a Contaminated Floodplain Aquifer. Ground Water, 2015, 53, 600-613.	1.3	7
77	Methods for characterizing the fate and effects of nano zerovalent iron during groundwater remediation. Journal of Contaminant Hydrology, 2015, 181, 17-35.	3.3	87
78	Reactivity of Uranium and Ferrous Iron with Natural Iron Oxyhydroxides. Environmental Science & Technology, 2015, 49, 10357-10365.	10.0	23
79	Bicarbonate impact on U(VI) bioreduction in a shallow alluvial aquifer. Geochimica Et Cosmochimica Acta, 2015, 150, 106-124.	3.9	58
80	Disturbed subsurface microbial communities follow equivalent trajectories despite different structural starting points. Environmental Microbiology, 2015, 17, 622-636.	3.8	32
81	Evidence of Geobacter-associated phage in a uranium-contaminated aquifer. ISME Journal, 2015, 9, 333-346.	9.8	28
82	Spatial Distribution of an Uranium-Respiring Betaproteobacterium at the Rifle, CO Field Research Site. PLoS ONE, 2015, 10, e0123378.	2.5	23
83	Identification of Bacteria Synthesizing Ribosomal RNA in Response to Uranium Addition During Biostimulation at the Rifle, CO Integrated Field Research Site. PLoS ONE, 2015, 10, e0137270.	2.5	3
84	Methane production from protozoan endosymbionts following stimulation of microbial metabolism within subsurface sediments. Frontiers in Microbiology, 2014, 5, 366.	3.5	31
85	Geochemical and mineralogical investigation of uranium in multi-element contaminated, organic-rich subsurface sediment. Applied Geochemistry, 2014, 42, 77-85.	3.0	40
86	The complete genome sequence for putative <scp>H</scp>₂â€•and <scp>S</scp>â€oxidizer <scp>C</scp>andidatus Sulfuricurvum sp., assembled de novo from an aquiferâ€derived metagenome. Environmental Microbiology, 2014, 16, 3443-3462.	3.8	69
87	Thioarsenic Species Associated with Increased Arsenic Release during Biostimulated Subsurface Sulfate Reduction. Environmental Science & Technology, 2014, 48, 13367-13375.	10.0	55
88	Speciation and Reactivity of Uranium Products Formed during in Situ Bioremediation in a Shallow Alluvial Aquifer. Environmental Science & Technology, 2014, 48, 12842-12850.	10.0	56
89	Metabolic interdependencies between phylogenetically novel fermenters and respiratory organisms in an unconfined aquifer. ISME Journal, 2014, 8, 1452-1463.	9.8	170
90	Uranium Bioreduction Rates across Scales: Biogeochemical Hot Moments and Hot Spots during a Biostimulation Experiment at Rifle, Colorado. Environmental Science & Technology, 2014, 48, 10116-10127.	10.0	47

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91	A large column analog experiment of stable isotope variations during reactive transport: II. Carbon mass balance, microbial community structure and predation. Geochimica Et Cosmochimica Acta, 2014, 124, 394-409.	3.9	17
92	Extraordinary phylogenetic diversity and metabolic versatility in aquifer sediment. Nature Communications, 2013, 4, 2120.	12.8	201
93	Persistence of uranium groundwater plumes: Contrasting mechanisms at two DOE sites in the groundwaterâ€“river interaction zone. Journal of Contaminant Hydrology, 2013, 147, 45-72.	3.3	136
94	Field evidence of selenium bioreduction in a uraniumâ€contaminated aquifer. Environmental Microbiology Reports, 2013, 5, 444-452.	2.4	54
95	Community genomic analyses constrain the distribution of metabolic traits across the Chloroflexi phylum and indicate roles in sediment carbon cycling. Microbiome, 2013, 1, 22.	11.1	493
96	Calcium isotope fractionation in groundwater: Molecular scale processes influencing field scale behavior. Geochimica Et Cosmochimica Acta, 2013, 119, 93-116.	3.9	70
97	Abiotic U(VI) reduction by sorbed Fe(II) on natural sediments. Geochimica Et Cosmochimica Acta, 2013, 117, 266-282.	3.9	43
98	Biostimulation induces syntrophic interactions that impact C, S and N cycling in a sediment microbial community. ISME Journal, 2013, 7, 800-816.	9.8	98
99	Bioremediation of uranium-contaminated groundwater: a systems approach to subsurface biogeochemistry. Current Opinion in Biotechnology, 2013, 24, 489-497.	6.6	119
100	Vanadate and Acetate Biostimulation of Contaminated Sediments Decreases Diversity, Selects for Specific Taxa, and Decreases Aqueous V⁵⁺ Concentration. Environmental Science & Technology, 2013, 47, 6500-6509.	10.0	80
101	Enrichment of specific protozoan populations during in situ bioremediation of uranium-contaminated groundwater. ISME Journal, 2013, 7, 1286-1298.	9.8	34
102	Iron-reducing bacteria accumulate ferric oxyhydroxide nanoparticle aggregates that may support planktonic growth. ISME Journal, 2013, 7, 338-350.	9.8	72
103	Characterization and transcription of arsenic respiration and resistance genes during in situ uranium bioremediation. ISME Journal, 2013, 7, 370-383.	9.8	80
104	No Measurable Changes in ²³⁸U/²³⁵U due to Desorptionâ€“Adsorption of U(VI) from Groundwater at the Rifle, Colorado, Integrated Field Research Challenge Site. Environmental Science & Technology, 2013, 47, 2535-2541.	10.0	46
105	Molecular Analysis of the In Situ Growth Rates of Subsurface Geobacter Species. Applied and Environmental Microbiology, 2013, 79, 1646-1653.	3.1	35
106	Profiling In Situ Microbial Community Structure with an Amplification Microarray. Applied and Environmental Microbiology, 2013, 79, 799-807.	3.1	12
107	Uranium redox transition pathways in acetate-amended sediments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4506-4511.	7.1	161
108	Arsenic geochemistry in a biostimulated aquifer: An aqueous speciation study. Environmental Toxicology and Chemistry, 2013, 32, 1216-1223.	4.3	27

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109	Data-driven approach to identify field-scale biogeochemical transitions using geochemical and geophysical data and hidden Markov models: Development and application at a uranium-contaminated aquifer. Water Resources Research, 2013, 49, 6412-6424.	4.2	11
110	Timeâ€lapse spectral induced polarization imaging of stimulated uranium bioremediation. Near Surface Geophysics, 2013, 11, 531-544.	1.2	50
111	Fluctuations in Species-Level Protein Expression Occur during Element and Nutrient Cycling in the Subsurface. PLoS ONE, 2013, 8, e57819.	2.5	21
112	Timing the Onset of Sulfate Reduction over Multiple Subsurface Acetate Amendments by Measurement and Modeling of Sulfur Isotope Fractionation. Environmental Science & Technology, 2012, 46, 8895-8902.	10.0	66
113	Fermentation, Hydrogen, and Sulfur Metabolism in Multiple Uncultivated Bacterial Phyla. Science, 2012, 337, 1661-1665.	12.6	637
114	Geochemical, mineralogical and microbiological characteristics of sediment from a naturally reduced zone in a uranium-contaminated aquifer. Applied Geochemistry, 2012, 27, 1499-1511.	3.0	123
115	Estimating the spatiotemporal distribution of geochemical parameters associated with biostimulation using spectral induced polarization data and hierarchical Bayesian models. Water Resources Research, 2012, 48, .	4.2	23
116	Rateâ€limited U(VI) desorption during a smallâ€scale tracer test in a heterogeneous uraniumâ€contaminated aquifer. Water Resources Research, 2012, 48, .	4.2	42
117	An overview of the spectral induced polarization method for nearâ€surface applications. Near Surface Geophysics, 2012, 10, 453-468.	1.2	233
118	On parameterization of the inverse problem for estimating aquifer properties using tracer data. Water Resources Research, 2012, 48, .	4.2	18
119	Uranium reduction and microbial community development in response to stimulation with different electron donors. Biodegradation, 2012, 23, 535-546.	3.0	24
120	High-density PhyloChip profiling of stimulated aquifer microbial communities reveals a complex response to acetate amendment. FEMS Microbiology Ecology, 2012, 81, 188-204.	2.7	43
121	Acetate Availability and its Influence on Sustainable Bioremediation of Uranium-Contaminated Groundwater. Geomicrobiology Journal, 2011, 28, 519-539.	2.0	222
122	Imaging Hydrated Microbial Extracellular Polymers: Comparative Analysis by Electron Microscopy. Applied and Environmental Microbiology, 2011, 77, 1254-1262.	3.1	168
123	Phase Preference by Active, Acetate-Utilizing Bacteria at the Rifle, CO Integrated Field Research Challenge Site. Environmental Science & Technology, 2011, 45, 1250-1256.	10.0	30
124	Using complex resistivity imaging to infer biogeochemical processes associated with bioremediation of an uranium-contaminated aquifer. Journal of Geophysical Research, 2011, 116, .	3.3	79
125	Composition, stability, and measurement of reduced uranium phases for groundwater bioremediation at Old Rifle, CO. Applied Geochemistry, 2011, 26, S167-S169.	3.0	21
126	Development of a biomarker for Geobacter activity and strain composition; Proteogenomic analysis of the citrate synthase protein during bioremediation of U(VI). Microbial Biotechnology, 2011, 4, 55-63.	4.2	56

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127	Variably saturated flow and multicomponent biogeochemical reactive transport modeling of a uranium bioremediation field experiment. Journal of Contaminant Hydrology, 2011, 126, 271-290.	3.3	88
128	Geophysical monitoring and reactive transport modeling of ureolytically-driven calcium carbonate precipitation. Geochemical Transactions, 2011, 12, 7.	0.7	54
129	3D induced-polarization data inversion for complex resistivity. Geophysics, 2011, 76, F157-F171.	2.6	41
130	Molecular Analysis of the Metabolic Rates of Discrete Subsurface Populations of Sulfate Reducers. Applied and Environmental Microbiology, 2011, 77, 6502-6509.	3.1	45
131	Spectral induced polarization signatures of abiotic FeS precipitation. Geophysics, 2010, 75, F127-F133.	2.6	23
132	Expression of acetate permease-like (aplâ€ƒ) genes in subsurface communities of Geobacter species under fluctuating acetate concentrations. FEMS Microbiology Ecology, 2010, 73, no-no.	2.7	20
133	Molecular analysis of phosphate limitation in Geobacteraceae during the bioremediation of a uranium-contaminated aquifer. ISME Journal, 2010, 4, 253-266.	9.8	51
134	On the complex conductivity signatures of calcite precipitation. Journal of Geophysical Research, 2010, 115, .	3.3	42
135	Electrodic voltages accompanying stimulated bioremediation of a uraniumâ€contaminated aquifer. Journal of Geophysical Research, 2010, 115, .	3.3	7
136	Analysis of Biostimulated Microbial Communities from Two Field Experiments Reveals Temporal and Spatial Differences in Proteome Profiles. Environmental Science & Technology, 2010, 44, 8897-8903.	10.0	54
137	Electrode-Based Approach for Monitoring In Situ Microbial Activity During Subsurface Bioremediation. Environmental Science & Technology, 2010, 44, 47-54.	10.0	85
138	Uranium ²³⁸U/²³⁵U Isotope Ratios as Indicators of Reduction: Results from an in situ Biostimulation Experiment at Rifle, Colorado, U.S.A.. Environmental Science & Technology, 2010, 44, 5927-5933.	10.0	95
139	Field-Based Detection and Monitoring of Uranium in Contaminated Groundwater using Two Immunosensors. Environmental Science & Technology, 2009, 43, 6703-6709.	10.0	29
140	Feedbacks Between Hydrological Heterogeneity and Bioremediation Induced Biogeochemical Transformations. Environmental Science & Technology, 2009, 43, 5197-5204.	10.0	34
141	Mineral Transformation and Biomass Accumulation Associated With Uranium Bioremediation at Rifle, Colorado. Environmental Science & Technology, 2009, 43, 5429-5435.	10.0	101
142	Geophysical Monitoring of Coupled Microbial and Geochemical Processes During Stimulated Subsurface Bioremediation. Environmental Science & Technology, 2009, 43, 6717-6723.	10.0	127
143	Influence of Heterogeneous Ammonium Availability on Bacterial Community Structure and the Expression of Nitrogen Fixation and Ammonium Transporter Genes during in Situ Bioremediation of Uranium-Contaminated Groundwater. Environmental Science & Technology, 2009, 43, 4386-4392.	10.0	88
144	Proteogenomic Monitoring of Geobacter Physiology during Stimulated Uranium Bioremediation. Applied and Environmental Microbiology, 2009, 75, 6591-6599.	3.1	136

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145	A stateâ€space Bayesian framework for estimating biogeochemical transformations using timeâ€lapse geophysical data. Water Resources Research, 2009, 45, .	4.2	19
146	Strategies for Visualization of Extracellular Polymeric Substances, (ExPS) in Biofilms by Electron Microscopy. Microscopy and Microanalysis, 2009, 15, 66-67.	0.4	0
147	Sulfur Isotopes as Indicators of Amended Bacterial Sulfate Reduction Processes Influencing Field Scale Uranium Bioremediation. Environmental Science & Technology, 2008, 42, 7842-7849.	10.0	21
148	Geophysical Monitoring of Hydrological and Biogeochemical Transformations Associated with Cr(VI) Bioremediation. Environmental Science & Technology, 2008, 42, 3757-3765.	10.0	44
149	In Situ Long-Term Reductive Bioimmobilization of Cr(VI) in Groundwater Using Hydrogen Release Compound. Environmental Science & Technology, 2008, 42, 8478-8485.	10.0	86
150	Electrodic voltages in the presence of dissolved sulfide: Implications for monitoring natural microbial activity. Geophysics, 2008, 73, F65-F70.	2.6	18
151	Galvanic interpretation of selfâ€potential signals associated with microbial sulfateâ€reduction. Journal of Geophysical Research, 2007, 112, .	3.3	15
152	Geophysical Imaging of Stimulated Microbial Biomineralization. Environmental Science & Technology, 2005, 39, 7592-7600.	10.0	122
153	Low-frequency electrical response to microbial induced sulfide precipitation. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	89
154	Quaternary Facies Assemblages and Their Bounding Surfaces, Chesapeake Bay Mouth: An Approach to Mesoscale Stratigraphic Analysis. Journal of Sedimentary Research, 2003, 73, 672-690.	1.6	5
155	Hydrogeological characterization of the south oyster bacterial transport site using geophysical data. Water Resources Research, 2001, 37, 2431-2456.	4.2	167