

Kenneth H Williams

List of Publications by Year in descending order

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155
papers

11,691
citations

31949

53
h-index

32815

100
g-index

163
all docs

163
docs citations

163
times ranked

10594
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual biology across a group comprising more than 15% of domain Bacteria. <i>Nature</i> , 2015, 523, 208-211.	13.7	1,050
2	Thousands of microbial genomes shed light on interconnected biogeochemical processes in an aquifer system. <i>Nature Communications</i> , 2016, 7, 13219.	5.8	994
3	Fermentation, Hydrogen, and Sulfur Metabolism in Multiple Uncultivated Bacterial Phyla. <i>Science</i> , 2012, 337, 1661-1665.	6.0	637
4	Genomic Expansion of Domain Archaea Highlights Roles for Organisms from New Phyla in Anaerobic Carbon Cycling. <i>Current Biology</i> , 2015, 25, 690-701.	1.8	522
5	Community genomic analyses constrain the distribution of metabolic traits across the Chloroflexi phylum and indicate roles in sediment carbon cycling. <i>Microbiome</i> , 2013, 1, 22.	4.9	493
6	Diverse uncultivated ultra-small bacterial cells in groundwater. <i>Nature Communications</i> , 2015, 6, 6372.	5.8	342
7	Thermodynamically controlled preservation of organic carbon in floodplains. <i>Nature Geoscience</i> , 2017, 10, 415-419.	5.4	234
8	An overview of the spectral induced polarization method for near-surface applications. <i>Near Surface Geophysics</i> , 2012, 10, 453-468.	0.6	233
9	Acetate Availability and its Influence on Sustainable Bioremediation of Uranium-Contaminated Groundwater. <i>Geomicrobiology Journal</i> , 2011, 28, 519-539.	1.0	222
10	Extraordinary phylogenetic diversity and metabolic versatility in aquifer sediment. <i>Nature Communications</i> , 2013, 4, 2120.	5.8	201
11	Metabolic interdependencies between phylogenetically novel fermenters and respiratory organisms in an unconfined aquifer. <i>ISME Journal</i> , 2014, 8, 1452-1463.	4.4	170
12	Imaging Hydrated Microbial Extracellular Polymers: Comparative Analysis by Electron Microscopy. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1254-1262.	1.4	168
13	Hydrogeological characterization of the south oyster bacterial transport site using geophysical data. <i>Water Resources Research</i> , 2001, 37, 2431-2456.	1.7	167
14	Critical biogeochemical functions in the subsurface are associated with bacteria from new phyla and little studied lineages. <i>Environmental Microbiology</i> , 2016, 18, 159-173.	1.8	164
15	Uranium redox transition pathways in acetate-amended sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4506-4511.	3.3	161
16	Proteogenomic Monitoring of <i>Geobacter</i> Physiology during Stimulated Uranium Bioremediation. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6591-6599.	1.4	136
17	Persistence of uranium groundwater plumes: Contrasting mechanisms at two DOE sites in the groundwater-river interaction zone. <i>Journal of Contaminant Hydrology</i> , 2013, 147, 45-72.	1.6	136
18	Geophysical Monitoring of Coupled Microbial and Geochemical Processes During Stimulated Subsurface Bioremediation. <i>Environmental Science & Technology</i> , 2009, 43, 6717-6723.	4.6	127

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19	Geochemical, mineralogical and microbiological characteristics of sediment from a naturally reduced zone in a uranium-contaminated aquifer. <i>Applied Geochemistry</i> , 2012, 27, 1499-1511.	1.4	123
20	Geophysical Imaging of Stimulated Microbial Biomineralization. <i>Environmental Science & Technology</i> , 2005, 39, 7592-7600.	4.6	122
21	Accurate, multi-kb reads resolve complex populations and detect rare microorganisms. <i>Genome Research</i> , 2015, 25, 534-543.	2.4	121
22	Bioremediation of uranium-contaminated groundwater: a systems approach to subsurface biogeochemistry. <i>Current Opinion in Biotechnology</i> , 2013, 24, 489-497.	3.3	119
23	Metatranscriptomic evidence of pervasive and diverse chemolithoautotrophy relevant to C, S, N and Fe cycling in a shallow alluvial aquifer. <i>ISME Journal</i> , 2016, 10, 2106-2117.	4.4	119
24	Unusual respiratory capacity and nitrogen metabolism in a <i>Parcubacterium</i> (OD1) of the Candidate Phyla Radiation. <i>Scientific Reports</i> , 2017, 7, 40101.	1.6	119
25	Distinct Source Water Chemistry Shapes Contrasting Concentration-Discharge Patterns. <i>Water Resources Research</i> , 2019, 55, 4233-4251.	1.7	103
26	Mineral Transformation and Biomass Accumulation Associated With Uranium Bioremediation at Rifle, Colorado. <i>Environmental Science & Technology</i> , 2009, 43, 5429-5435.	4.6	101
27	Water Table Dynamics and Biogeochemical Cycling in a Shallow, Variably-Saturated Floodplain. <i>Environmental Science & Technology</i> , 2017, 51, 3307-3317.	4.6	100
28	Biostimulation induces syntrophic interactions that impact C, S and N cycling in a sediment microbial community. <i>ISME Journal</i> , 2013, 7, 800-816.	4.4	98
29	RubisCO of a nucleoside pathway known from Archaea is found in diverse uncultivated phyla in bacteria. <i>ISME Journal</i> , 2016, 10, 2702-2714.	4.4	98
30	Snowmelt controls on concentration-discharge relationships and the balance of oxidative and acid-base weathering fluxes in an alpine catchment, <i>Environmental Science & Technology</i> , 2017, 51, 2507-2523.	1.7	98
31	Uranium ²³⁸ U/ ²³⁵ U Isotope Ratios as Indicators of Reduction: Results from an in situ Biostimulation Experiment at Rifle, Colorado, U.S.A.. <i>Environmental Science & Technology</i> , 2010, 44, 5927-5933.	4.6	95
32	Low-frequency electrical response to microbial induced sulfide precipitation. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	89
33	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. <i>Environmental Science & Technology</i> , 2009, 43, 4386-4392.	4.6	88
34	Variably saturated flow and multicomponent biogeochemical reactive transport modeling of a uranium bioremediation field experiment. <i>Journal of Contaminant Hydrology</i> , 2011, 126, 271-290.	1.6	88
35	Aquifer environment selects for microbial species cohorts in sediment and groundwater. <i>ISME Journal</i> , 2015, 9, 1846-1856.	4.4	88
36	Methods for characterizing the fate and effects of nano zerovalent iron during groundwater remediation. <i>Journal of Contaminant Hydrology</i> , 2015, 181, 17-35.	1.6	87

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37	In Situ Long-Term Reductive Bioimmobilization of Cr(VI) in Groundwater Using Hydrogen Release Compound. <i>Environmental Science & Technology</i> , 2008, 42, 8478-8485.	4.6	86
38	Electrode-Based Approach for Monitoring In Situ Microbial Activity During Subsurface Bioremediation. <i>Environmental Science & Technology</i> , 2010, 44, 47-54.	4.6	85
39	Vanadate and Acetate Biostimulation of Contaminated Sediments Decreases Diversity, Selects for Specific Taxa, and Decreases Aqueous V^{5+} Concentration. <i>Environmental Science & Technology</i> , 2013, 47, 6500-6509.	4.6	80
40	Characterization and transcription of arsenic respiration and resistance genes during <i>in situ</i> uranium bioremediation. <i>ISME Journal</i> , 2013, 7, 370-383.	4.4	80
41	Using complex resistivity imaging to infer biogeochemical processes associated with bioremediation of an uranium-contaminated aquifer. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	79
42	Physico-Chemical Heterogeneity of Organic-Rich Sediments in the Rifle Aquifer, CO: Impact on Uranium Biogeochemistry. <i>Environmental Science & Technology</i> , 2016, 50, 46-53.	4.6	77
43	Influence of hydrological, biogeochemical and temperature transients on subsurface carbon fluxes in a flood plain environment. <i>Biogeochemistry</i> , 2016, 127, 367-396.	1.7	76
44	The Importance of Interflow to Groundwater Recharge in a Snowmelt-Dominated Headwater Basin. <i>Geophysical Research Letters</i> , 2019, 46, 5899-5908.	1.5	73
45	Iron-reducing bacteria accumulate ferric oxyhydroxide nanoparticle aggregates that may support planktonic growth. <i>ISME Journal</i> , 2013, 7, 338-350.	4.4	72
46	Calcium isotope fractionation in groundwater: Molecular scale processes influencing field scale behavior. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 93-116.	1.6	70
47	The complete genome sequence for putative <i>H₂S</i> -oxidizer <i>Candidatus Sulfuricurvum sp.</i> , assembled <i>de novo</i> from an aquifer-derived metagenome. <i>Environmental Microbiology</i> , 2014, 16, 3443-3462.	1.8	69
48	Timing the Onset of Sulfate Reduction over Multiple Subsurface Acetate Amendments by Measurement and Modeling of Sulfur Isotope Fractionation. <i>Environmental Science & Technology</i> , 2012, 46, 8895-8902.	4.6	66
49	Geochemical Exports to River From the Intrameander Hyporheic Zone Under Transient Hydrologic Conditions: East River Mountainous Watershed, Colorado. <i>Water Resources Research</i> , 2018, 54, 8456-8477.	1.7	66
50	Bicarbonate impact on U(VI) bioreduction in a shallow alluvial aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 106-124.	1.6	58
51	Analysis of five complete genome sequences for members of the class Peribacteria in the recently recognized Peregrinibacteria bacterial phylum. <i>PeerJ</i> , 2016, 4, e1607.	0.9	57
52	Development of a biomarker for <i>Geobacter</i> activity and strain composition; Proteogenomic analysis of the citrate synthase protein during bioremediation of U(VI). <i>Microbial Biotechnology</i> , 2011, 4, 55-63.	2.0	56
53	Speciation and Reactivity of Uranium Products Formed during <i>in Situ</i> Bioremediation in a Shallow Alluvial Aquifer. <i>Environmental Science & Technology</i> , 2014, 48, 12842-12850.	4.6	56
54	Thioarsenic Species Associated with Increased Arsenic Release during Biostimulated Subsurface Sulfate Reduction. <i>Environmental Science & Technology</i> , 2014, 48, 13367-13375.	4.6	55

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55	Analysis of Biostimulated Microbial Communities from Two Field Experiments Reveals Temporal and Spatial Differences in Proteome Profiles. <i>Environmental Science & Technology</i> , 2010, 44, 8897-8903.	4.6	54
56	Geophysical monitoring and reactive transport modeling of ureolytically-driven calcium carbonate precipitation. <i>Geochemical Transactions</i> , 2011, 12, 7.	1.8	54
57	Field evidence of selenium bioreduction in a uranium-contaminated aquifer. <i>Environmental Microbiology Reports</i> , 2013, 5, 444-452.	1.0	54
58	Production of Hydrogen Peroxide in Groundwater at Rifle, Colorado. <i>Environmental Science & Technology</i> , 2017, 51, 7881-7891.	4.6	54
59	Molecular analysis of phosphate limitation in <i>Geobacteraceae</i> during the bioremediation of a uranium-contaminated aquifer. <i>ISME Journal</i> , 2010, 4, 253-266.	4.4	51
60	Time-lapse spectral induced polarization imaging of stimulated uranium bioremediation. <i>Near Surface Geophysics</i> , 2013, 11, 531-544.	0.6	50
61	Seasonal hyporheic dynamics control coupled microbiology and geochemistry in Colorado River sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2976-2987.	1.3	49
62	Uranium Bioreduction Rates across Scales: Biogeochemical Hot Moments and Hot Spots during a Biostimulation Experiment at Rifle, Colorado. <i>Environmental Science & Technology</i> , 2014, 48, 10116-10127.	4.6	47
63	No Measurable Changes in ²³⁸ U/ ²³⁵ U due to Desorption-Adsorption of U(VI) from Groundwater at the Rifle, Colorado, Integrated Field Research Challenge Site. <i>Environmental Science & Technology</i> , 2013, 47, 2535-2541.	4.6	46
64	Molecular Analysis of the Metabolic Rates of Discrete Subsurface Populations of Sulfate Reducers. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6502-6509.	1.4	45
65	Geophysical Monitoring of Hydrological and Biogeochemical Transformations Associated with Cr(VI) Bioremediation. <i>Environmental Science & Technology</i> , 2008, 42, 3757-3765.	4.6	44
66	High-density PhyloChip profiling of stimulated aquifer microbial communities reveals a complex response to acetate amendment. <i>FEMS Microbiology Ecology</i> , 2012, 81, 188-204.	1.3	43
67	Abiotic U(VI) reduction by sorbed Fe(II) on natural sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 266-282.	1.6	43
68	On the complex conductivity signatures of calcite precipitation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
69	Rate-limited U(VI) desorption during a small-scale tracer test in a heterogeneous uranium-contaminated aquifer. <i>Water Resources Research</i> , 2012, 48, .	1.7	42
70	3D induced-polarization data inversion for complex resistivity. <i>Geophysics</i> , 2011, 76, F157-F171.	1.4	41
71	Heterogeneity in Hyporheic Flow, Pore Water Chemistry, and Microbial Community Composition in an Alpine Streambed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3465-3478.	1.3	41
72	Geochemical and mineralogical investigation of uranium in multi-element contaminated, organic-rich subsurface sediment. <i>Applied Geochemistry</i> , 2014, 42, 77-85.	1.4	40

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73	Hierarchical Bayesian method for mapping biogeochemical hot spots using induced polarization imaging. <i>Water Resources Research</i> , 2016, 52, 533-551.	1.7	36
74	Molecular Analysis of the <i>In Situ</i> Growth Rates of Subsurface <i>Geobacter</i> Species. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1646-1653.	1.4	35
75	Microbial Metagenomics Reveals Climate-Relevant Subsurface Biogeochemical Processes. <i>Trends in Microbiology</i> , 2016, 24, 600-610.	3.5	35
76	Identifying geochemical hot moments and their controls on a contaminated river floodplain system using wavelet and entropy approaches. <i>Environmental Modelling and Software</i> , 2016, 85, 27-41.	1.9	35
77	Feedbacks Between Hydrological Heterogeneity and Bioremediation Induced Biogeochemical Transformations. <i>Environmental Science & Technology</i> , 2009, 43, 5197-5204.	4.6	34
78	Enrichment of specific protozoan populations during <i>in situ</i> bioremediation of uranium-contaminated groundwater. <i>ISME Journal</i> , 2013, 7, 1286-1298.	4.4	34
79	Iron and Carbon Dynamics during Aging and Reductive Transformation of Biogenic Ferrihydrite. <i>Environmental Science & Technology</i> , 2016, 50, 25-35.	4.6	34
80	Redox Controls over the Stability of U(IV) in Floodplains of the Upper Colorado River Basin. <i>Environmental Science & Technology</i> , 2017, 51, 10954-10964.	4.6	33
81	Integrating airborne remote sensing and field campaigns for ecology and Earth system science. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1492-1508.	2.2	33
82	Disturbed subsurface microbial communities follow equivalent trajectories despite different structural starting points. <i>Environmental Microbiology</i> , 2015, 17, 622-636.	1.8	32
83	The Snowmelt Niche Differentiates Three Microbial Life Strategies That Influence Soil Nitrogen Availability During and After Winter. <i>Frontiers in Microbiology</i> , 2020, 11, 871.	1.5	32
84	Methane production from protozoan endosymbionts following stimulation of microbial metabolism within subsurface sediments. <i>Frontiers in Microbiology</i> , 2014, 5, 366.	1.5	31
85	Phase Preference by Active, Acetate-Utilizing Bacteria at the Rifle, CO Integrated Field Research Challenge Site. <i>Environmental Science & Technology</i> , 2011, 45, 1250-1256.	4.6	30
86	Field-Based Detection and Monitoring of Uranium in Contaminated Groundwater using Two Immunosensors. <i>Environmental Science & Technology</i> , 2009, 43, 6703-6709.	4.6	29
87	Contrasting the hydrologic response due to land cover and climate change in a mountain headwaters system. <i>Ecohydrology</i> , 2016, 9, 1431-1438.	1.1	29
88	Hysteresis Patterns of Watershed Nitrogen Retention and Loss Over the Past 50 Years in United States Hydrological Basins. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006777.	1.9	29
89	Evidence of <i>Geobacter</i> -associated phage in a uranium-contaminated aquifer. <i>ISME Journal</i> , 2015, 9, 333-346.	4.4	28
90	Abundance and Distribution of Microbial Cells and Viruses in an Alluvial Aquifer. <i>Frontiers in Microbiology</i> , 2017, 8, 1199.	1.5	28

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91	Arsenic geochemistry in a biostimulated aquifer: An aqueous speciation study. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1216-1223.	2.2	27
92	Potential for Methanosarcina to Contribute to Uranium Reduction during Acetate-Promoted Groundwater Bioremediation. <i>Microbial Ecology</i> , 2018, 76, 660-667.	1.4	27
93	Depth- and Time-Resolved Distributions of Snowmelt-Driven Hillslope Subsurface Flow and Transport and Their Contributions to Surface Waters. <i>Water Resources Research</i> , 2019, 55, 9474-9499.	1.7	25
94	Hyporheic Zone Microbiome Assembly Is Linked to Dynamic Water Mixing Patterns in Snowmelt-Dominated Headwater Catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3269-3280.	1.3	25
95	Uranium reduction and microbial community development in response to stimulation with different electron donors. <i>Biodegradation</i> , 2012, 23, 535-546.	1.5	24
96	Deep Vadose Zone Respiration Contributions to Carbon Dioxide Fluxes from a Semiarid Floodplain. <i>Vadose Zone Journal</i> , 2016, 15, 1-14.	1.3	24
97	Transport and humification of dissolved organic matter within a semi-arid floodplain. <i>Journal of Environmental Sciences</i> , 2017, 57, 24-32.	3.2	24
98	Correlative Cryogenic Spectromicroscopy to Investigate Selenium Bioreduction Products. <i>Environmental Science & Technology</i> , 2018, 52, 503-512.	4.6	24
99	Return flows from beaver ponds enhance floodplain-to-river metals exchange in alluvial mountain catchments. <i>Science of the Total Environment</i> , 2019, 685, 357-369.	3.9	24
100	Microbial communities across a hillslope-riparian transect shaped by proximity to the stream, groundwater table, and weathered bedrock. <i>Ecology and Evolution</i> , 2019, 9, 6869-6900.	0.8	24
101	Persistence and Plasticity in Conifer Water-Use Strategies. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2018JG004845.	1.3	24
102	Spectral induced polarization signatures of abiotic FeS precipitation. <i>Geophysics</i> , 2010, 75, F127-F133.	1.4	23
103	Estimating the spatiotemporal distribution of geochemical parameters associated with biostimulation using spectral induced polarization data and hierarchical Bayesian models. <i>Water Resources Research</i> , 2012, 48, .	1.7	23
104	Long-Term in Situ Oxidation of Biogenic Uraninite in an Alluvial Aquifer: Impact of Dissolved Oxygen and Calcium. <i>Environmental Science & Technology</i> , 2015, 49, 7340-7347.	4.6	23
105	Reactivity of Uranium and Ferrous Iron with Natural Iron Oxyhydroxides. <i>Environmental Science & Technology</i> , 2015, 49, 10357-10365.	4.6	23
106	Investigating Microtopographic and Soil Controls on a Mountainous Meadow Plant Community Using High-Resolution Remote Sensing and Surface Geophysical Data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1618-1636.	1.3	23
107	Spatial Distribution of an Uranium-Respiring Betaproteobacterium at the Rifle, CO Field Research Site. <i>PLoS ONE</i> , 2015, 10, e0123378.	1.1	23
108	Sulfur Isotopes as Indicators of Amended Bacterial Sulfate Reduction Processes Influencing Field Scale Uranium Bioremediation. <i>Environmental Science & Technology</i> , 2008, 42, 7842-7849.	4.6	21

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109	Composition, stability, and measurement of reduced uranium phases for groundwater bioremediation at Old Rifle, CO. <i>Applied Geochemistry</i> , 2011, 26, S167-S169.	1.4	21
110	Reactive transport of uranium in a groundwater bioreduction study: Insights from high-temporal resolution ²³⁸ U/ ²³⁵ U data. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 218-236.	1.6	21
111	Oxidative Uranium Release from Anoxic Sediments under Diffusion-Limited Conditions. <i>Environmental Science & Technology</i> , 2017, 51, 11039-11047.	4.6	21
112	Fluctuations in Species-Level Protein Expression Occur during Element and Nutrient Cycling in the Subsurface. <i>PLoS ONE</i> , 2013, 8, e57819.	1.1	21
113	Expression of acetate permease-like (<i>aplA</i>) genes in subsurface communities of <i>Geobacter</i> species under fluctuating acetate concentrations. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	1.3	20
114	Decay curve analysis for data error quantification in time-domain induced polarization imaging. <i>Geophysics</i> , 2018, 83, E75-E86.	1.4	20
115	Streamflow partitioning and transit time distribution in snow-dominated basins as a function of climate. <i>Journal of Hydrology</i> , 2019, 570, 726-738.	2.3	20
116	A state-space Bayesian framework for estimating biogeochemical transformations using time-lapse geophysical data. <i>Water Resources Research</i> , 2009, 45, .	1.7	19
117	Electrode voltages in the presence of dissolved sulfide: Implications for monitoring natural microbial activity. <i>Geophysics</i> , 2008, 73, F65-F70.	1.4	18
118	On parameterization of the inverse problem for estimating aquifer properties using tracer data. <i>Water Resources Research</i> , 2012, 48, .	1.7	18
119	Field Application of ²³⁸ U/ ²³⁵ U Measurements To Detect Reoxidation and Mobilization of U(IV). <i>Environmental Science & Technology</i> , 2018, 52, 3422-3430.	4.6	18
120	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. <i>IEEE Access</i> , 2019, 7, 182796-182813.	2.6	18
121	Bedrock weathering contributes to subsurface reactive nitrogen and nitrous oxide emissions. <i>Nature Geoscience</i> , 2021, 14, 217-224.	5.4	18
122	A large column analog experiment of stable isotope variations during reactive transport: II. Carbon mass balance, microbial community structure and predation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 394-409.	1.6	17
123	Quantifying shallow subsurface water and heat dynamics using coupled hydrological-thermal-geophysical inversion. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3477-3491.	1.9	16
124	Uranium Retention in a Bioreduced Region of an Alluvial Aquifer Induced by the Influx of Dissolved Oxygen. <i>Environmental Science & Technology</i> , 2018, 52, 8133-8145.	4.6	16
125	Efficiency of the Summer Monsoon in Generating Streamflow Within a Snow-Dominated Headwater Basin of the Colorado River. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090856.	1.5	16
126	Galvanic interpretation of self-potential signals associated with microbial sulfate reduction. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	15

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127	Deep Unsaturated Zone Contributions to Carbon Cycling in Semiarid Environments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3045-3054.	1.3	15
128	Anoxia stimulates microbially catalyzed metal release from Animas River sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 578-585.	1.7	14
129	Metatranscriptomic Analysis Reveals Unexpectedly Diverse Microbial Metabolism in a Biogeochemical Hot Spot in an Alluvial Aquifer. <i>Frontiers in Microbiology</i> , 2017, 8, 40.	1.5	14
130	Isotopic Fingerprint of Uranium Accumulation and Redox Cycling in Floodplains of the Upper Colorado River Basin. <i>Environmental Science & Technology</i> , 2019, 53, 3399-3409.	4.6	14
131	Concentration–Discharge Relationships of Dissolved Rhenium in Alpine Catchments Reveal Its Use as a Tracer of Oxidative Weathering. <i>Water Resources Research</i> , 2021, 57, e2021WR029844.	1.7	13
132	Profiling In Situ Microbial Community Structure with an Amplification Microarray. <i>Applied and Environmental Microbiology</i> , 2013, 79, 799-807.	1.4	12
133	Using geochemical indicators to distinguish high biogeochemical activity in floodplain soils and sediments. <i>Science of the Total Environment</i> , 2016, 563-564, 386-395.	3.9	12
134	Surface parameters and bedrock properties covary across a mountainous watershed: Insights from machine learning and geophysics. <i>Science Advances</i> , 2022, 8, eabj2479.	4.7	12
135	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. <i>Water Resources Research</i> , 2013, 49, 6412-6424.	1.7	11
136	From Grain to Floodplain: Evaluating heterogeneity of floodplain hydrostratigraphy using sedimentology, geophysics, and remote sensing. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1799-1815.	1.2	11
137	Baseflow Age Distributions and Depth of Active Groundwater Flow in a Snow–Dominated Mountain Headwater Basin. <i>Water Resources Research</i> , 2020, 56, e2020WR028161.	1.7	10
138	The Colorado East River Community Observatory Data Collection. <i>Hydrological Processes</i> , 2021, 35, e14243.	1.1	10
139	Resolution matters when modeling climate change in headwaters of the Colorado River. <i>Environmental Research Letters</i> , 2020, 15, 104031.	2.2	10
140	Modeling geogenic and atmospheric nitrogen through the East River Watershed, Colorado Rocky Mountains. <i>PLoS ONE</i> , 2021, 16, e0247907.	1.1	9
141	Phosphorus Speciation in Atmospherically Deposited Particulate Matter and Implications for Terrestrial Ecosystem Productivity. <i>Environmental Science & Technology</i> , 2020, 54, 4984-4994.	4.6	8
142	Electrode voltages accompanying stimulated bioremediation of a uranium–contaminated aquifer. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7
143	Influence of Carbon and Microbial Community Priming on the Attenuation of Uranium in a Contaminated Floodplain Aquifer. <i>Ground Water</i> , 2015, 53, 600-613.	0.7	7
144	Direct Observation of the Depth of Active Groundwater Circulation in an Alpine Watershed. <i>Water Resources Research</i> , 2021, 57, .	1.7	7

#	ARTICLE	IF	CITATIONS
145	A comparison of lodgepole and spruce needle chemistry impacts on terrestrial biogeochemical processes during isolated decomposition. <i>PeerJ</i> , 2020, 8, e9538.	0.9	6
146	Quaternary Facies Assemblages and Their Bounding Surfaces, Chesapeake Bay Mouth: An Approach to Mesoscale Stratigraphic Analysis. <i>Journal of Sedimentary Research</i> , 2003, 73, 672-690.	0.8	5
147	Characterizing organic carbon dynamics during biostimulation of a uranium contaminated field site. <i>Biogeochemistry</i> , 2019, 143, 117-132.	1.7	3
148	Probabilistic Evaluation of Geoscientific Hypotheses With Geophysical Data: Application to Electrical Resistivity Imaging of a Fractured Bedrock Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021767.	1.4	3
149	Identification of Bacteria Synthesizing Ribosomal RNA in Response to Uranium Addition During Biostimulation at the Rifle, CO Integrated Field Research Site. <i>PLoS ONE</i> , 2015, 10, e0137270.	1.1	3
150	Predicting the impact of land management decisions on overland flow generation: Implications for cesium migration in forested Fukushima watersheds. <i>Advances in Water Resources</i> , 2018, 113, 42-54.	1.7	2
151	Accelerated Snowmelt Protocol to Simulate Climate Change Induced Impacts on Snowpack Dependent Ecosystems. <i>Bio-protocol</i> , 2020, 10, e3557.	0.2	2
152	Introduction to special section: Characterization and monitoring of subsurface contamination. <i>Interpretation</i> , 2015, 3, SAbi-SABii.	0.5	1
153	Estimating groundwater dynamics at a Colorado River floodplain site using historical hydrological data and climate information. <i>Water Resources Research</i> , 2016, 52, 1881-1898.	1.7	1
154	Effect of elevation, season and accelerated snowmelt on biogeochemical processes during isolated conifer needle litter decomposition. <i>PeerJ</i> , 2021, 9, e11926.	0.9	1
155	Strategies for Visualization of Extracellular Polymeric Substances, (ExPS) in Biofilms by Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2009, 15, 66-67.	0.2	0