Craig Criddle

List of Publications by Year
in descending order

193	16,972	13865 67	16183 124
papers	citations	h-index	g-index

199	199	199	14425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Displacing fishmeal with protein derived from stranded methane. Nature Sustainability, 2022, 5, 47-56.	23.7	12
2	CFD-accelerated bioreactor optimization: reducing the hydrodynamic parameter space. Environmental Science: Water Research and Technology, 2022, 8, 456-464.	2.4	6
3	SARS-CoV-2 RNA is enriched by orders of magnitude in primary settled solids relative to liquid wastewater at publicly owned treatment works. Environmental Science: Water Research and Technology, 2022, 8, 757-770.	2.4	46
4	Integrated Design and Optimization of Water-Energy Nexus: Combining Wastewater Treatment and Energy System. Frontiers in Sustainable Cities, 2022, 4, .	2.4	1
5	Phylogenetic diversity of NO reductases, new tools for nor monitoring, and insights into N2O production in natural and engineered environments. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	2
6	Microbes and Climate Change: a Research Prospectus for the Future. MBio, 2022, 13, e0080022.	4.1	53
7	Recovery of Clean Water and Ammonia from Domestic Wastewater: Impacts on Embodied Energy and Greenhouse Gas Emissions. Environmental Science & Technology, 2022, 56, 8712-8721.	10.0	17
8	Particleâ€resolved simulations of fourâ€way coupled, polydispersed, particleâ€laden flows. International Journal for Numerical Methods in Fluids, 2022, 94, 1810-1840.	1.6	4
9	Space bioprocess engineering on the horizon. , 2022, 1, .		11
10	Enhanced Bioavailability and Microbial Biodegradation of Polystyrene in an Enrichment Derived from the Gut Microbiome of Tenebrio molitor (Mealworm Larvae). Environmental Science & Technology, 2021, 55, 2027-2036.	10.0	76
11	More than a fertilizer: wastewater-derived struvite as a high value, sustainable fire retardant. Green Chemistry, 2021, 23, 4510-4523.	9.0	18
12	The effects of particle clustering on hindered settling in high-concentration particle suspensions. Journal of Fluid Mechanics, 2021, 920, .	3.4	15
13	Optimizing Nitrogen Fixation and Recycling for Food Production in Regenerative Life Support Systems. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	11
14	Towards a Biomanufactory on Mars. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	30
15	Comparison of the properties of segregated layers in a bidispersed fluidized bed to those of a monodispersed fluidized bed. Physical Review Fluids, 2021, 6, .	2.5	6
16	Competing flow and collision effects in a monodispersed liquidâ€“solid fluidized bed at a moderate Archimedes number. Journal of Fluid Mechanics, 2021, 927, .	3.4	12
17	Temperate climate energy-positive anaerobic secondary treatment of domestic wastewater at pilot-scale. Water Research, 2021, 204, 117598.	11.3	21
18	Anaerobic membrane bioreactor model for design and prediction of domestic wastewater treatment process performance. Chemical Engineering Journal, 2021, 426, 131912.	12.7	16

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19	Optimization of reverse osmosis operational conditions to maximize ammonia removal from the effluent of an anaerobic membrane bioreactor. Environmental Science: Water Research and Technology, 2021, 7, 739-747.	2.4	22
20	Characterization of biodegradation of plastics in insect larvae. Methods in Enzymology, 2021, 648, 95-120.	1.0	38
21	Robust Nitritation of Anaerobic Digester Centrate Using Dual Stressors and Timed Alkali Additions. Environmental Science & Technology, 2021, 55, 2016-2026.	10.0	9
22	Fate of Hexabromocyclododecane (HBCD), A Common Flame Retardant, In Polystyrene-Degrading Mealworms: Elevated HBCD Levels in Egested Polymer but No Bioaccumulation. Environmental Science & Technology, 2020, 54, 364-371.	10.0	27
23	Community members in activated sludge as determined by molecular probe technology. Water Research, 2020, 168, 115104.	11.3	4
24	Metabolic model of nitrite reduction to nitrous oxide coupled to alternating consumption and storage of glycogen and polyhydroxyalkanoate. Bioresource Technology Reports, 2020, 9, 100370.	2.7	2
25	Biodegradation of Polyvinyl Chloride (PVC) in Tenebrio molitor (Coleoptera: Tenebrionidae) larvae. Environment International, 2020, 145, 106106.	10.0	129
26	Impacts of nitrogen-containing coagulants on the nitritation/denitrification of anaerobic digester centrate. Environmental Science: Water Research and Technology, 2020, 6, 3451-3459.	2.4	16
27	In Vivo Polymerization (â€œHard-Wiringâ€) of Bioanodes Enables Rapid Start-Up and Order-of-Magnitude Higher Power Density in a Microbial Battery. Environmental Science & Technology, 2020, 54, 14732-14739.	10.0	7
28	Reply to SantÃn et al.: Viscoelastic retardant fluids enable treatments to prevent wildfire on landscapes subject to routine ignitions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5105-5106.	7.1	0
29	Membrane and Fluid Contactors for Safe and Efficient Methane Delivery in Methanotrophic Bioreactors. Journal of Environmental Engineering, ASCE, 2020, 146, .	1.4	25
30	Biodegradation of low-density polyethylene and polystyrene in superworms, larvae of Zophobas atratus (Coleoptera: Tenebrionidae): Broad and limited extent depolymerization. Environmental Pollution, 2020, 266, 115206.	7.5	98
31	Retrospective on microbial transformations of halogenated organics. Environmental Sciences: Processes and Impacts, 2020, 22, 512-517.	3.5	9
32	Nitrogen removal as nitrous oxide for energy recovery: Increased process stability and high nitrous yields at short hydraulic residence times. Water Research, 2020, 173, 115575.	11.3	22
33	Harnessing salinity gradient energy in coastal stormwater runoff to reduce pathogen loading. Environmental Science: Water Research and Technology, 2020, 6, 1553-1558.	2.4	1
34	Charge-Free Mixing Entropy Battery Enabled by Low-Cost Electrode Materials. ACS Omega, 2019, 4, 11785-11790.	3.5	21
35	Microbial Battery Powered Enzymatic Electrosynthesis for Carbon Capture and Generation of Hydrogen and Formate from Dilute Organics. ACS Energy Letters, 2019, 4, 2929-2936.	17.4	18
36	Complex organic particulate artificial sewage (COPAS) as surrogate wastewater in anaerobic assays. Environmental Science: Water Research and Technology, 2019, 5, 1661-1671.	2.4	3

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37	Wildfire prevention through prophylactic treatment of high-risk landscapes using viscoelastic retardant fluids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20820-20827.	7.1	27
38	Uranium sequestration in sediment at an iron-rich contaminated site at Oak Ridge, Tennessee via. bioreduction followed by reoxidation. Journal of Environmental Sciences, 2019, 85, 156-167.	6.1	10
39	Clues to membrane fouling hidden within the microbial communities of membrane bioreactors. Environmental Science: Water Research and Technology, 2019, 5, 1389-1399.	2.4	20
40	Can biotechnology turn the tide on plastics?. Current Opinion in Biotechnology, 2019, 57, 160-166.	6.6	25
41	Global diversity and biogeography of bacterial communities in wastewater treatment plants. Nature Microbiology, 2019, 4, 1183-1195.	13.3	491
42	Biodegradation of Polystyrene by Dark (Tenebrio obscurus) and Yellow (Tenebrio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T 53, 5256-5265.	10.0	201
43	Niche Differentiation among Three Closely Related Competibacteraceae Clades at a Full-Scale Activated Sludge Wastewater Treatment Plant and Putative Linkages to Process Performance. Applied and Environmental Microbiology, 2019, 85, .	3.1	9
44	Engineering the Dark Food Chain. Environmental Science & Technology, 2019, 53, 2273-2287.	10.0	38
45	Bacterial Community Shift and Coexisting/Coexcluding Patterns Revealed by Network Analysis in a Uranium-Contaminated Site after Bioreduction Followed by Reoxidation. Applied and Environmental Microbiology, 2018, 84, .	3.1	37
46	Decision support toolkit for integrated analysis and design of reclaimed water infrastructure. Water Research, 2018, 134, 234-252.	11.3	15
47	Biodegradation of polystyrene wastes in yellow mealworms (larvae of Tenebrio molitor Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. Chemosphere, 2018, 191, 979-989.	8.2	168
48	Biocomposite Fiber-Matrix Treatments that Enhance In-Service Performance Can Also Accelerate End-of-Life Fragmentation and Anaerobic Biodegradation to Methane. Journal of Polymers and the Environment, 2018, 26, 1715-1726.	5.0	22
49	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of Tenebrio) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 6526-6533.	10.0	316
50	Progresses in Polystyrene Biodegradation and Prospects for Solutions to Plastic Waste Pollution. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012005.	0.3	17
51	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of Tenebrio molitor Linnaeus (Coleoptera: Tenebrionidae). Chemosphere, 2018, 212, 262-271.	8.2	130
52	Methodology to assess end-of-life anaerobic biodegradation kinetics and methane production potential for composite materials. Composites Part A: Applied Science and Manufacturing, 2017, 95, 388-399.	7.6	12
53	Addressing the Issue of Microplastics in the Wake of the Microbead-Free Waters Actâ€"A New Standard Can Facilitate Improved Policy. Environmental Science & Technology, 2017, 51, 6611-6617.	10.0	138
54	Microplastics pollution and reduction strategies. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	180

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55	Assessment of models for anaerobic biodegradation of a model bioplastic: Poly(hydroxybutyrate-co-hydroxyvalerate). Bioresource Technology, 2017, 227, 205-213.	9.6	29
56	Use of an intermediate solid-state electrode to enable efficient hydrogen production from dilute organic matter. Nano Energy, 2017, 39, 499-505.	16.0	7
57	Expanding the range of polyhydroxyalkanoates synthesized by methanotrophic bacteria through the utilization of omega-hydroxyalkanoate co-substrates. AMB Express, 2017, 7, 118.	3.0	55
58	A proposed nomenclature for biological processes that remove nitrogen. Environmental Science: Water Research and Technology, 2017, 3, 10-17.	2.4	20
59	Poly(hydroxyalkanoate)s from Waste Biomass: A Combined Chemicalâ€“Biological Approach. ChemistrySelect, 2016, 1, 2327-2331.	1.5	14
60	An integrated planning tool for design of recycled water distribution networks. Environmental Modelling and Software, 2016, 84, 311-325.	4.5	11
61	Low energy emulsion-based fermentation enabling accelerated methane mass transfer and growth of poly(3-hydroxybutyrate)-accumulating methanotrophs. Bioresource Technology, 2016, 207, 302-307.	9.6	35
62	Methane or methanol-oxidation dependent synthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by obligate type II methanotrophs. Process Biochemistry, 2016, 51, 561-567.	3.7	49
63	Optimization of Methanotrophic Growth and Production of Poly(3-Hydroxybutyrate) in a High-Throughput Microbioreactor System. Applied and Environmental Microbiology, 2015, 81, 4767-4773.	3.1	51
64	High-Quality Draft Genome Sequence of Desulfovibrio carbinoliphilus FW-101-2B, an Organic Acid-Oxidizing Sulfate-Reducing Bacterium Isolated from Uranium(VI)-Contaminated Groundwater. Genome Announcements, 2015, 3, .	0.8	3
65	Long-term cultivation of a stable Methylocystis -dominated methanotrophic enrichment enabling tailored production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). Bioresource Technology, 2015, 198, 811-818.	9.6	79
66	Dynamic Succession of Groundwater Functional Microbial Communities in Response to Emulsified Vegetable Oil Amendment during Sustained In Situ U(VI) Reduction. Applied and Environmental Microbiology, 2015, 81, 4164-4172.	3.1	24
67	Design and fabrication of bioelectrodes for microbial bioelectrochemical systems. Energy and Environmental Science, 2015, 8, 3418-3441.	30.8	223
68	Production of Nitrous Oxide from Nitrite in Stable Type II Methanotrophic Enrichments. Environmental Science & Technology, 2015, 49, 10969-10975.	10.0	39
69	Use of low cost and easily regenerated Prussian Blue cathodes for efficient electrical energy recovery in a microbial battery. Energy and Environmental Science, 2015, 8, 546-551.	30.8	63
70	Microbial communities biostimulated by ethanol during uranium (VI) bioremediation in contaminated sediment as shown by stable isotope probing. Frontiers of Environmental Science and Engineering, 2015, 9, 453-464.	6.0	22
71	Enhancing the Nanomaterial Bio-Interface by Addition of Mesoscale Secondary Features: Crinkling of Carbon Nanotube Films To Create Subcellular Ridges. ACS Nano, 2014, 8, 11958-11965.	14.6	26
72	Microbial biogeography across a full-scale wastewater treatment plant transect: evidence for immigration between coupled processes. Applied Microbiology and Biotechnology, 2014, 98, 4723-4736.	3.6	51

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73	Performance of a mixing entropy battery alternately flushed with wastewater effluent and seawater for recovery of salinity-gradient energy. Energy and Environmental Science, 2014, 7, 2295-2300.	30.8	56
74	Recovery of Freshwater from Wastewater: Upgrading Process Configurations To Maximize Energy Recovery and Minimize Residuals. Environmental Science & Technology, 2014, 48, 8420-8432.	10.0	80
75	Disassembly and reassembly of polyhydroxyalkanoates: Recycling through abiotic depolymerization and biotic repolymerization. Bioresource Technology, 2014, 170, 167-174.	9.6	39
76	Production of Nitrous Oxide From Anaerobic Digester Centrate and Its Use as a Co-oxidant of Biogas to Enhance Energy Recovery. Environmental Science & Technology, 2014, 48, 5612-5619.	10.0	87
77	Sidestream Treatment with Energy Recovery from Nitrogen Waste: The Coupled Aerobic-anoxic Nitrous Decomposition Operation (CANDO). Proceedings of the Water Environment Federation, 2014, 2014, 1114-1125.	0.0	2
78	Adaptation of nitrifying microbial biomass to nickel in batch incubations. Applied Microbiology and Biotechnology, 2013, 97, 847-857.	3.6	7
79	Surge block method for controlling well clogging and sampling sediment during bioremediation. Water Research, 2013, 47, 6566-6573.	11.3	8
80	Stoichiometry and kinetics of the PHB-producing Type II methanotrophs Methylosinus trichosporium OB3b and Methylocystis parvus OBBP. Bioresource Technology, 2013, 132, 71-77.	9.6	102
81	Nitrogen removal with energy recovery through N₂O decomposition. Energy and Environmental Science, 2013, 6, 241-248.	30.8	114
82	Use of on-site bioreactors to estimate the biotransformation rate of N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE) during activated sludge treatment. Chemosphere, 2013, 92, 702-707.	8.2	10
83	Bioaugmentation with Pseudomonas Stutzeri KC for Carbon Tetrachloride Remediation. , 2013, , 257-288.		0
84	Magnetically ultraresponsive nanoscavengers for next-generation water purification systems. Nature Communications, 2013, 4, 1866.	12.8	74
85	In Situ Bioremediation of Uranium with Emulsified Vegetable Oil as the Electron Donor. Environmental Science & Technology, 2013, 47, 6440-6448.	10.0	81
86	Assessing the Scale of Resource Recovery for Centralized and Satellite Wastewater Treatment. Environmental Science & Technology, 2013, 47, 10762-10770.	10.0	43
87	Microbial battery for efficient energy recovery. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15925-15930.	7.1	67
88	Carbon nanotube-coated macroporous sponge for microbial fuel cell electrodes. Energy and Environmental Science, 2012, 5, 5265-5270.	30.8	284
89	Grapheneâ€“sponges as high-performance low-cost anodes for microbial fuel cells. Energy and Environmental Science, 2012, 5, 6862.	30.8	264
90	Cradle-to-Gate Life Cycle Assessment for a Cradle-to-Cradle Cycle: Biogas-to-Bioplastic (and Back). Environmental Science & Technology, 2012, 46, 9822-9829.	10.0	104

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91	Cyclic, alternating methane and nitrogen limitation increases PHB production in a methanotrophic community. Bioresource Technology, 2012, 107, 385-392.	9.6	51
92	Chemical and Biological Processes: The Need for Mixing. SERDP and ESTCP Remediation Technology Monograph Series, 2012, , 7-52.	0.3	4
93	Nano-structured textiles as high-performance aqueous cathodes for microbial fuel cells. Energy and Environmental Science, 2011, 4, 1293.	30.8	72
94	Three-Dimensional Carbon Nanotubeâ^'Textile Anode for High-Performance Microbial Fuel Cells. Nano Letters, 2011, 11, 291-296.	9.1	388
95	Reduction of Uranium(VI) by Soluble Iron(II) Conforms with Thermodynamic Predictions. Environmental Science & Technology, 2011, 45, 4718-4725.	10.0	70
96	Fine-scale bacterial community dynamics and the taxaâ€"time relationship within a full-scale activated sludge bioreactor. Water Research, 2011, 45, 5476-5488.	11.3	136
97	Estimating Reaction Rate Coefficients Within a Travel-Time Modeling Framework. Ground Water, 2011, 49, 209-218.	1.3	6
98	Selection of Type I and Type II methanotrophic proteobacteria in a fluidized bed reactor under non-sterile conditions. Bioresource Technology, 2011, 102, 9919-9926.	9.6	60
99	Distribution and Selection of Poly-3-Hydroxybutyrate Production Capacity in Methanotrophic Proteobacteria. Microbial Ecology, 2011, 62, 564-573.	2.8	115
100	Anaerobic biodegradation of the microbial copolymer poly(3-hydroxybutyrate-co-3-hydroxyhexanoate): Effects of comonomer content, processing history, and semi-crystalline morphology. Polymer, 2011, 52, 547-556.	3.8	36
101	Dynamics of Microbial Community Composition and Function duringIn SituBioremediation of a Uranium-Contaminated Aquifer. Applied and Environmental Microbiology, 2011, 77, 5063-5063.	3.1	4
102	A Limited Microbial Consortium Is Responsible for Extended Bioreduction of Uranium in a Contaminated Aquifer. Applied and Environmental Microbiology, 2011, 77, 5955-5965.	3.1	108
103	Dynamics of Microbial Community Composition and Function during In Situ Bioremediation of a Uranium-Contaminated Aquifer. Applied and Environmental Microbiology, 2011, 77, 3860-3869.	3.1	51
104	Poly-3-Hydroxybutyrate Metabolism in the Type II Methanotroph Methylocystis parvus OBBP. Applied and Environmental Microbiology, 2011, 77, 6012-6019.	3.1	114
105	Can microbially-generated hydrogen sulfide account for the rates of U(VI) reduction by a sulfate-reducing bacterium?. Biodegradation, 2010, 21, 81-95.	3.0	25
106	Community analysis of ammonia-oxidizing bacteria in activated sludge of eight wastewater treatment systems. Journal of Environmental Sciences, 2010, 22, 627-634.	6.1	55
107	Estimating kinetic mass transfer by resting-period measurements in flow-interruption tracer tests. Journal of Contaminant Hydrology, 2010, 117, 37-45.	3.3	4
108	Kinetic analysis and modeling of oleate and ethanol stimulated uranium (VI) bio-reduction in contaminated sediments under sulfate reduction conditions. Journal of Hazardous Materials, 2010, 183, 482-489.	12.4	19

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109	Membrane fouling in an anaerobic membrane bioreactor: Differences in relative abundance of bacterial species in the membrane foulant layer and in suspension. Journal of Membrane Science, 2010, 364, 331-338.	8.2	170
110	Responses of microbial community functional structures to pilot-scale uranium in situ bioremediation. ISME Journal, 2010, 4, 1060-1070.	9.8	98
111	Combined niche and neutral effects in a microbial wastewater treatment community. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15345-15350.	7.1	504
112	Significant Association between Sulfate-Reducing Bacteria and Uranium-Reducing Microbial Communities as Revealed by a Combined Massively Parallel Sequencing-Indicator Species Approach. Applied and Environmental Microbiology, 2010, 76, 6778-6786.	3.1	102
113	Effects of Nitrate on the Stability of Uranium in a Bioreduced Region of the Subsurface. Environmental Science & Technology, 2010, 44, 5104-5111.	10.0	100
114	Uranium Transformations in Static Microcosms. Environmental Science & Technology, 2010, 44, 236-242.	10.0	44
115	Effect of solution chemistry on the adsorption of perfluorooctane sulfonate onto mineral surfaces. Water Research, 2010, 44, 2654-2662.	11.3	194
116	Use of atomic force microscopy and fractal geometry to characterize the roughness of nano-, micro-, and ultrafiltration membranes. Journal of Membrane Science, 2009, 340, 117-132.	8.2	69
117	Simple menaquinones reduce carbon tetrachloride and iron (III). Biodegradation, 2009, 20, 109-116.	3.0	13
118	Occurrence of ammonia-oxidizing Archaea in activated sludges of a laboratory scale reactor and two wastewater treatment plants. Journal of Applied Microbiology, 2009, 107, 970-977.	3.1	91
119	Bacterial community succession during in situ uranium bioremediation: spatial similarities along controlled flow paths. ISME Journal, 2009, 3, 47-64.	9.8	90
120	Ammoniaâ€oxidizing communities in a highly aerated fullâ€scale activated sludge bioreactor: betaproteobacterial dynamics and low relative abundance of Crenarchaea. Environmental Microbiology, 2009, 11, 2310-2328.	3.8	234
121	GeoChipâ€based analysis of functional microbial communities during the reoxidation of a bioreduced uraniumâ€contaminated aquifer. Environmental Microbiology, 2009, 11, 2611-2626.	3.8	95
122	Uranium reduction and resistance to reoxidation under iron-reducing and sulfate-reducing conditions. Water Research, 2009, 43, 4652-4664.	11.3	29
123	Growth and cometabolic reduction kinetics of a uraniumâ€and sulfateâ€reducing Desulfovibrio/Clostridia mixed culture: Temperature effects. Biotechnology and Bioengineering, 2008, 99, 1107-1119.	3.3	30
124	Estimating first-order reaction rate coefficient for transport with nonequilibrium linear mass transfer in heterogeneous media. Journal of Contaminant Hydrology, 2008, 98, 50-60.	3.3	6
125	Reassessing authorship of the Book of Mormon using delta and nearest shrunken centroid classification. Literary and Linguistic Computing, 2008, 23, 465-491.	0.6	49
126	Aerobic Biotransformation and Fate of N-Ethyl Perfluorooctane Sulfonamidoethanol (N-EtFOSE) in Activated Sludge. Environmental Science & Technology, 2008, 42, 2873-2878.	10.0	253

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127	Speciation of Uranium in Sediments before and after In situ Biostimulation. Environmental Science & Technology, 2008, 42, 1558-1564.	10.0	107
128	Microbial Communities in Contaminated Sediments, Associated with Bioremediation of Uranium to Submicromolar Levels. Applied and Environmental Microbiology, 2008, 74, 3718-3729.	3.1	154
129	Correlation of Functional Instability and Community Dynamics in Denitrifying Dispersed-Growth Reactors. Applied and Environmental Microbiology, 2007, 73, 680-690.	3.1	49
130	Detection and Quantification of Geobacter lovleyi Strain SZ: Implications for Bioremediation at Tetrachloroethene- and Uranium-Impacted Sites. Applied and Environmental Microbiology, 2007, 73, 6898-6904.	3.1	52
131	Sulfate Requirement for the Growth of U(VI)-Reducing Bacteria in an Ethanol-Fed Enrichment. Bioremediation Journal, 2007, 11, 21-32.	2.0	8
132	Gene capture and random amplification for quantitative recovery of homologous genes. Molecular and Cellular Probes, 2007, 21, 140-147.	2.1	11
133	Effect of Flux (Transmembrane Pressure) and Membrane Properties on Fouling and Rejection of Reverse Osmosis and Nanofiltration Membranes Treating Perfluorooctane Sulfonate Containing Wastewater. Environmental Science & Technology, 2007, 41, 2008-2014.	10.0	309
134	Inhibition of a U(VI)- and Sulfate-Reducing Consortia by U(VI). Environmental Science & Technology, 2007, 41, 6528-6533.	10.0	20
135	In Situ Bioreduction of Uranium (VI) to Submicromolar Levels and Reoxidation by Dissolved Oxygen. Environmental Science & Technology, 2007, 41, 5716-5723.	10.0	182
136	Hydraulic performance analysis of a multiple injectionâ€“extraction well system. Journal of Hydrology, 2007, 336, 294-302.	5.4	28
137	GeoChip: a comprehensive microarray for investigating biogeochemical, ecological and environmental processes. ISME Journal, 2007, 1, 67-77.	9.8	554
138	Correlation of patterns of denitrification instability in replicated bioreactor communities with shifts in the relative abundance and the denitrification patterns of specific populations. ISME Journal, 2007, 1, 714-728.	9.8	36
139	Modeling in-situ uranium(VI) bioreduction by sulfate-reducing bacteria. Journal of Contaminant Hydrology, 2007, 92, 129-148.	3.3	54
140	Influence of bicarbonate, sulfate, and electron donors on biological reduction of uranium and microbial community composition. Applied Microbiology and Biotechnology, 2007, 77, 713-721.	3.6	54
141	Thermodynamic Constraints on the Oxidation of Biogenic UO2by Fe(III) (Hydr)oxides. Environmental Science & Technology, 2006, 40, 3544-3550.	10.0	129
142	Use of Reverse Osmosis Membranes to Remove Perfluorooctane Sulfonate (PFOS) from Semiconductor Wastewater. Environmental Science & Technology, 2006, 40, 7343-7349.	10.0	326
143	Phylogenetic and Functional Biomakers as Indicators of Bacterial Community Responses to Mixed-Waste Contamination. Environmental Science & Technology, 2006, 40, 2601-2607.	10.0	43
144	Pilot-Scale in Situ Bioremediation of Uranium in a Highly Contaminated Aquifer. 1. Conditioning of a Treatment Zone. Environmental Science & Technology, 2006, 40, 3978-3985.	10.0	160

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145	A Nested-Cell Approach for In Situ Remediation. Ground Water, 2006, 44, 266-274.	1.3	51
146	Heterogeneous response to biostimulation for U(VI) reduction in replicated sediment microcosms. Biodegradation, 2006, 17, 303-316.	3.0	55
147	Stability in a Denitrifying Fluidized Bed Reactor. Microbial Ecology, 2006, 52, 311-321.	2.8	35
148	Changes in bacterial community structure correlate with initial operating conditions of a field-scale denitrifying fluidized bed reactor. Applied Microbiology and Biotechnology, 2006, 71, 748-760.	3.6	44
149	A parametric transfer function methodology for analyzing reactive transport in nonuniform flow. Journal of Contaminant Hydrology, 2006, 83, 27-41.	3.3	30
150	Occurrence of Ammonia-Oxidizing Archaea in Wastewater Treatment Plant Bioreactors. Applied and Environmental Microbiology, 2006, 72, 5643-5647.	3.1	347
151	Pilot-Scale in Situ Bioremedation of Uranium in a Highly Contaminated Aquifer. 2. Reduction of U(VI) and Geochemical Control of U(VI) Bioavailability. Environmental Science & Technology, 2006, 40, 3986-3995.	10.0	242
152	Impacts on microbial communities and cultivable isolates from groundwater contaminated with high levels of nitric acidÃ¢Â€Â“uranium waste. FEMS Microbiology Ecology, 2005, 53, 417-428.	2.7	90
153	Global Transcriptional Profiling of Shewanella oneidensis MR-1 during Cr(VI) and U(VI) Reduction. Applied and Environmental Microbiology, 2005, 71, 7453-7460.	3.1	139
154	Uranium (VI) Reduction by Denitrifying Biomass. Bioremediation Journal, 2005, 9, 49-61.	2.0	23
155	Mass-Transfer Limitations for Nitrate Removal in a Uranium-Contaminated Aquifer. Environmental Science & Technology, 2005, 39, 8453-8459.	10.0	36
156	Quantitative Determination of Perfluorochemicals in Sediments and Domestic Sludge. Environmental Science & Technology, 2005, 39, 3946-3956.	10.0	494
157	Bioreduction of Uranium in a Contaminated Soil Column. Environmental Science & Technology, 2005, 39, 4841-4847.	10.0	133
158	Bioengineering for the In Situ Remediation of Metals. , 2005, , 493-520.		2
159	Correspondence between Community Structure and Function during Succession in Phenol- and Phenol-plus-Trichloroethene-Fed Sequencing Batch Reactors. Applied and Environmental Microbiology, 2004, 70, 4950-4960.	3.1	46
160	A derivative of the menaquinone precursor 1,4-dihydroxy-2-naphthoate is involved in the reductive transformation of carbon tetrachloride by aerobically grown Shewanella oneidensis MR-1. Applied Microbiology and Biotechnology, 2004, 63, 571-577.	3.6	30
161	Cometabolism of Cr(VI) byShewanella oneidensis MR-1 produces cell-associated reduced chromium and inhibits growth. Biotechnology and Bioengineering, 2003, 83, 627-637.	3.3	151
162	Understanding Bias in Microbial Community Analysis Techniques due to rrn Operon Copy Number Heterogeneity. BioTechniques, 2003, 34, 790-802.	1.8	231

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