James A Field

List of Publications by Year
in descending order

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198	10,917	22153	37204
papers	citations	59 h-index	96 g-index

198	198	198	9671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SULFUR TUFT AND TURKEY TAIL:Biosynthesis and Biodegradation of Organohalogens by Basidiomycetes. Annual Review of Microbiology, 1997, 51, 375-414.	7.3	373
2	Sulfide oxidation under chemolithoautotrophic denitrifying conditions. Biotechnology and Bioengineering, 2006, 95, 1148-1157.	3.3	310
3	Screening for ligninolytic fungi applicable to the biodegradation of xenobiotics. Trends in Biotechnology, 1993, 11, 44-49.	9.3	304
4	Enhanced biodegradation of aromatic pollutants in cocultures of anaerobic and aerobic bacterial consortia. Antonie Van Leeuwenhoek, 1995, 67, 47-77.	1.7	293
5	Microbial transformation and degradation of polychlorinated biphenyls. Environmental Pollution, 2008, 155, 1-12.	7.5	272
6	Azo dye decolourisation by anaerobic granular sludge. Chemosphere, 2001, 44, 1169-1176.	8.2	268
7	Activated Carbon as an Electron Acceptor and Redox Mediator during the Anaerobic Biotransformation of Azo Dyes. Environmental Science & Technology, 2003, 37, 402-408.	10.0	261
8	Characterization of a Novel Manganese Peroxidase-Lignin Peroxidase Hybrid Isozyme Produced by Bjerkandera Species Strain BOS55 in the Absence of Manganese. Journal of Biological Chemistry, 1998, 273, 15412-15417.	3.4	247
9	Chemolithotrophic denitrification with elemental sulfur for groundwater treatment. Water Research, 2007, 41, 1253-1262.	11.3	230
10	Zero valent iron as an electron-donor for methanogenesis and sulfate reduction in anaerobic sludge. Biotechnology and Bioengineering, 2005, 92, 810-819.	3.3	177
11	Application of redox mediators to accelerate the transformation of reactive azo dyes in anaerobic bioreactors. Biotechnology and Bioengineering, 2001, 75, 691-701.	3.3	171
12	Anaerobic Biotransformation of Roxarsone and Related N-Substituted Phenylarsonic Acids. Environmental Science & Technology, 2006, 40, 2951-2957.	10.0	170
13	Toxicity of copper(II) ions to microorganisms in biological wastewater treatment systems. Science of the Total Environment, 2011, 412-413, 380-385.	8.0	164
14	Complete Biodegradation of the Azo Dye Azodisalicylate under Anaerobic Conditions. Environmental Science & Technology, 1997, 31, 2098-2103.	10.0	160
15	Inhibition of anaerobic ammonium oxidizing (anammox) enrichment cultures by substrates, metabolites and common wastewater constituents. Chemosphere, 2013, 91, 22-27.	8.2	149
16	Competition between methanogenesis and quinone respiration for ecologically important substrates in anaerobic consortia. FEMS Microbiology Ecology, 2000, 34, 161-171.	2.7	146
17	Reduction of humic substances by halorespiring, sulphate-reducing and methanogenic microorganisms. Environmental Microbiology, 2002, 4, 51-57.	3.8	140
18	Microbial degradation of chlorinated phenols. Reviews in Environmental Science and Biotechnology, 2008, 7, 211-241.	8.1	137

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19	Toxicity assessment of inorganic nanoparticles to acetoclastic and hydrogenotrophic methanogenic activity in anaerobic granular sludge. Journal of Hazardous Materials, 2013, 260, 278-285.	12.4	134
20	Stimulation of Ligninolytic Peroxidase Activity by Nitrogen Nutrients in the White Rot Fungus Bjerkandera sp. Strain BOS55. Applied and Environmental Microbiology, 1993, 59, 4031-4036.	3.1	124
21	Fate and biodegradability of sulfonated aromatic amines. Biodegradation, 2005, 16, 527-537.	3.0	121
22	Successive Mineralization and Detoxification of Benzo[a]pyrene by the White Rot Fungus Bjerkandera sp. Strain BOS55 and Indigenous Microflora. Applied and Environmental Microbiology, 1998, 64, 2853-2858.	3.1	119
23	Microbial degradation of chlorinated benzenes. Biodegradation, 2008, 19, 463-480.	3.0	118
24	Biodegradability of chlorinated solvents and related chlorinated aliphatic compounds. Reviews in Environmental Science and Biotechnology, 2004, 3, 185-254.	8.1	117
25	Significant Biogenesis of Chlorinated Aromatics by Fungi in Natural Environments. Applied and Environmental Microbiology, 1994, 60, 264-270.	3.1	114
26	Partially oxidized polycyclic aromatic hydrocarbons show an increased bioavailability and biodegradability. FEMS Microbiology Letters, 2006, 152, 45-49.	1.8	112
27	Microbial degradation of chlorinated dioxins. Chemosphere, 2008, 71, 1005-1018.	8.2	112
28	Feasibility of expanded granular sludge bed reactors for the anaerobic treatment of low-strength soluble wastewaters. Biotechnology and Bioengineering, 1994, 44, 469-479.	3.3	109
29	Physiological Role of Chlorinated Aryl Alcohols Biosynthesized De Novo by the White Rot Fungus Bjerkandera sp. Strain BOS55. Applied and Environmental Microbiology, 1994, 60, 271-277.	3.1	109
30	Reductive Defluorination of Perfluorooctane Sulfonate. Environmental Science & Technology, 2008, 42, 3260-3264.	10.0	108
31	Inhibition of anaerobic wastewater treatment after long-term exposure to low levels of CuO nanoparticles. Water Research, 2014, 58, 160-168.	11.3	104
32	Isolation and screening of basidiomycetes with high peroxidative activity. Mycological Research, 1992, 96, 1098-1104.	2.5	103
33	The contribution of biotic and abiotic processes during azo dye reduction in anaerobic sludge. Water Research, 2003, 37, 3098-3109.	11.3	93
34	Microbial community dynamics in a chemolithotrophic denitrification reactor inoculated with methanogenic granular sludge. Chemosphere, 2008, 70, 462-474.	8.2	93
35	Anaerobic Mineralization of Toluene by Enriched Sediments with Quinones and Humus as Terminal Electron Acceptors. Applied and Environmental Microbiology, 2001, 67, 4471-4478.	3.1	92
36	Low toxicity of HfO2, SiO2, Al2O3 and CeO2 nanoparticles to the yeast, Saccharomyces cerevisiae. Journal of Hazardous Materials, 2011, 192, 1572-1579.	12.4	90

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37	Toxicity of fluoride to microorganisms in biological wastewater treatment systems. Water Research, 2009, 43, 3177-3186.	11.3	88
38	High tolerance of methanogens in granular sludge to oxygen. Biotechnology and Bioengineering, 1993, 42, 1360-1366.	3.3	85
39	Fate of cerium dioxide (CeO2) nanoparticles in municipal wastewater during activated sludge treatment. Bioresource Technology, 2012, 108, 300-304.	9.6	84
40	Biotransformation and biodegradation ofN-substituted aromatics in methanogenic granular sludge. FEMS Microbiology Reviews, 1997, 20, 525-538.	8.6	83
41	Leaching of cadmium and tellurium from cadmium telluride (CdTe) thin-film solar panels under simulated landfill conditions. Journal of Hazardous Materials, 2017, 336, 57-64.	12.4	81
42	Arsenite and Ferrous Iron Oxidation Linked to Chemolithotrophic Denitrification for the Immobilization of Arsenic in Anoxic Environments. Environmental Science & Technology, 2009, 43, 6585-6591.	10.0	80
43	Evidence for a new extracellular peroxidase Manganese-inhibited peroxidase from the white-rot fungusBjerkanderasp. BOS 55. FEBS Letters, 1992, 299, 107-110.	2.8	78
44	Toxicity of copper to acetoclastic and hydrogenotrophic activities of methanogens and sulfate reducers in anaerobic sludge. Chemosphere, 2006, 62, 121-127.	8.2	77
45	Microbial toxicity and biodegradability of perfluorooctane sulfonate (PFOS) and shorter chain perfluoroalkyl and polyfluoroalkyl substances (PFASs). Environmental Sciences: Processes and Impacts, 2016, 18, 1236-1246.	3.5	77
46	Continuous detoxification, transformation, and degradation of nitrophenols in upflow anaerobic sludge blanket (UASB) reactors. Biotechnology and Bioengineering, 1996, 51, 439-449.	3.3	75
47	Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains. Journal of Biotechnology, 1997, 53, 237-251.	3.8	72
48	Anaerobic Oxidation of Arsenite Linked to Chlorate Reduction. Applied and Environmental Microbiology, 2010, 76, 6804-6811.	3.1	72
49	Application and Validation of an Impedance-Based Real Time Cell Analyzer to Measure the Toxicity of Nanoparticles Impacting Human Bronchial Epithelial Cells. Environmental Science & Technology, 2012, 46, 10271-10278.	10.0	71
50	Cadmium telluride (CdTe) and cadmium selenide (CdSe) leaching behavior and surface chemistry in response to pH and O2. Journal of Environmental Management, 2015, 154, 78-85.	7.8	71
51	Nutrient recovery and biogas generation from the anaerobic digestion of waste biomass from algal biofuel production. Renewable Energy, 2017, 108, 410-416.	8.9	71
52	Effect of cobalt on the anaerobic degradation of methanol. Journal of Bioscience and Bioengineering, 1993, 75, 368-374.	0.9	70
53	Quinones as terminal electron acceptors for anaerobic microbial oxidation of phenolic compounds. Biodegradation, 2000, 11, 313-321.	3.0	67
54	Pre-exposure to nitrite in the absence of ammonium strongly inhibits anammox. Water Research, 2014, 48, 52-60.	11.3	66

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55	Inhibition of anaerobic ammonium oxidation by heavy metals. Journal of Chemical Technology and Biotechnology, 2015, 90, 830-837.	3.2	66
56	Anaerobic Transformation of Î²-Hexachlorocyclohexane by Methanogenic Granular Sludge and Soil Microflora. Environmental Science & Technology, 1998, 32, 3299-3304.	10.0	65
57	Natural organohalogen production by basidiomycetes. Trends in Biotechnology, 1995, 13, 451-456.	9.3	63
58	Asymmetric reduction of ketones via whole cell bioconversions and transfer hydrogenation: complementary approaches. Tetrahedron: Asymmetry, 2001, 12, 1025-1034.	1.8	63
59	Pathways of reductive 2,4â€dinitroanisole (DNAN) biotransformation in sludge. Biotechnology and Bioengineering, 2013, 110, 1595-1604.	3.3	63
60	Recovery of Elemental Tellurium Nanoparticles by the Reduction of Tellurium Oxyanions in a Methanogenic Microbial Consortium. Environmental Science & Technology, 2016, 50, 1492-1500.	10.0	63
61	The tolerance of lignin peroxidase and manganese-dependent peroxidase to miscible solvents and the in vitro oxidation of anthracene in solvent: water mixtures. Enzyme and Microbial Technology, 1996, 18, 300-308.	3.2	59
62	Microbial perchlorate reduction with elemental sulfur and other inorganic electron donors. Chemosphere, 2008, 71, 114-122.	8.2	59
63	Nitrate and nitrite inhibition of methanogenesis during denitrification in granular biofilms and digested domestic sludges. Biodegradation, 2009, 20, 801-812.	3.0	58
64	Biomineralization of arsenate to arsenic sulfides is greatly enhanced at mildly acidic conditions. Water Research, 2014, 66, 242-253.	11.3	58
65	Reduction of the 2,2â€²-Azinobis(3-Ethylbenzthiazoline-6-Sulfonate) Cation Radical by Physiological Organic Acids in the Absence and Presence of Manganese. Applied and Environmental Microbiology, 1998, 64, 2026-2031.	3.1	58
66	Continuous detoxification, transformation, and degradation of nitrophenols in upflow anaerobic sludge blanket (UASB) reactors. Biotechnology and Bioengineering, 1996, 51, 439-449.	3.3	56
67	Biotransformation and Degradation of the Insensitive Munitions Compound, 3-Nitro-1,2,4-triazol-5-one, by Soil Bacterial Communities. Environmental Science & Technology, 2015, 49, 5681-5688.	10.0	54
68	Natural Production Of Chloroform By Fungi. Phytochemistry, 1998, 49, 91-97.	2.9	53
69	Arsenic (III, V), indium (III), and gallium (III) toxicity to zebrafish embryos using a high-throughput multi-endpoint inÂvivo developmental and behavioral assay. Chemosphere, 2016, 148, 361-368.	8.2	53
70	Methanogenic Inhibition by Arsenic Compounds. Applied and Environmental Microbiology, 2004, 70, 5688-5691.	3.1	51
71	Anaerobic biodegradability and methanogenic toxicity of key constituents in copper chemical mechanical planarization effluents of the semiconductor industry. Chemosphere, 2005, 59, 1219-1228.	8.2	51
72	Chemolithotrophic perchlorate reduction linked to the oxidation of elemental sulfur. Biotechnology and Bioengineering, 2007, 96, 1073-1082.	3.3	51

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73	Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. FEMS Microbiology Ecology, 2009, 68, 72-85.	2.7	51
74	De-novo biosynthesis of chlorinated aromatics by the white-rot fungusBjerkanderasp. BOS55 Formation of 3-chloro-anisaldehyde from glucose. FEBS Letters, 1992, 305, 220-224.	2.8	50
75	Microbial toxicity of the insensitive munitions compound, 2,4-dinitroanisole (DNAN), and its aromatic amine metabolites. Journal of Hazardous Materials, 2013, 262, 281-287.	12.4	49
76	Anaerobic-aerobic treatment of toxic pulping black liquor with upfront effluent recirculation. Journal of Bioscience and Bioengineering, 1998, 86, 97-110.	0.9	47
77	Methanogenic inhibition by roxarsone (4-hydroxy-3-nitrophenylarsonic acid) and related aromatic arsenic compounds. Journal of Hazardous Materials, 2010, 175, 352-358.	12.4	47
78	Cytotoxicity and physicochemical properties of hafnium oxide nanoparticles. Chemosphere, 2011, 84, 1401-1407.	8.2	47
79	Anoxic oxidation of arsenite linked to denitrification in sludges and sediments. Water Research, 2008, 42, 4569-4577.	11.3	46
80	Fate and long-term inhibitory impact of ZnO nanoparticles during high-rate anaerobic wastewater treatment. Journal of Environmental Management, 2014, 135, 110-117.	7.8	46
81	(Bio)transformation of 2,4-dinitroanisole (DNAN) in soils. Journal of Hazardous Materials, 2016, 304, 214-221.	12.4	46
82	Treatment of low strength soluble wastewaters in UASB reactors. Journal of Bioscience and Bioengineering, 1994, 77, 679-686.	0.9	45
83	Starved anammox cells are less resistant to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>NO</mml:mtext></mml:mrow><mml:mn>2</mml:mn><m inhibition. Water Research, 2014, 65, 170-176.	11.3	45
84	Role of biogenic sulfide in attenuating zinc oxide and copper nanoparticle toxicity to acetoclastic methanogenesis. Journal of Hazardous Materials, 2015, 283, 755-763.	12.4	45
85	Methanogenesis in granular sludge exposed to oxygen. FEMS Microbiology Letters, 1993, 114, 317-323.	1.8	44
86	Infrared spectroscopy analysis of hemp (Cannabis sativa) after selective delignification by Bjerkandera sp. at different nitrogen levels. Enzyme and Microbial Technology, 2001, 28, 550-559.	3.2	44
87	Arsenic remediation by formation of arsenic sulfide minerals in a continuous anaerobic bioreactor. Biotechnology and Bioengineering, 2016, 113, 522-530.	3.3	44
88	Purification and characterization of two lignin peroxidase isozymes produced byBjerkanderasp. strain BOS55. FEBS Letters, 1998, 422, 391-394.	2.8	43
89	Novel monochlorinated metabolites with a 1-benzoxepin skeleton from Mycena galopus. Tetrahedron Letters, 1999, 40, 5767-5770.	1.4	43
90	Stoichiometric and molecular evidence for the enrichment of anaerobic ammonium oxidizing bacteria from wastewater treatment plant sludge samples. Chemosphere, 2011, 84, 1262-1269.	8.2	43

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91	Anaerobic Biotransformation of Organoarsenical Pesticides Monomethylarsonic Acid and Dimethylarsinic Acid. Journal of Agricultural and Food Chemistry, 2006, 54, 3959-3966.	5.2	42
92	Ecotoxicity of the insensitive munitions compound 3-nitro-1,2,4-triazol-5-one (NTO) and its reduced metabolite 3-amino-1,2,4-triazol-5-one (ATO). Journal of Hazardous Materials, 2018, 343, 340-346.	12.4	41
93	Anaerobic bioremediation of hexavalent uranium in groundwater by reductive precipitation with methanogenic granular sludge. Water Research, 2010, 44, 2153-2162.	11.3	40
94	Role of Organic Acids in the Manganese-Independent Biobleaching System of Bjerkandera sp. Strain BOS55. Applied and Environmental Microbiology, 1998, 64, 2409-2417.	3.1	38
95	Adsorption of novel insensitive munitions compounds at clay mineral and metal oxide surfaces. Environmental Chemistry, 2015, 12, 74.	1.5	38
96	Sequential anaerobic-aerobic biodegradation of emerging insensitive munitions compound 3-nitro-1,2,4-triazol-5-one (NTO). Chemosphere, 2017, 167, 478-484.	8.2	38
97	Biotransformation and Biodegradation of Selected Nitroaromatics under Anaerobic Conditions. Biotechnology Progress, 1999, 15, 358-365.	2.6	37
98	Continuous reduction of tellurite to recoverable tellurium nanoparticles using an upflow anaerobic sludge bed (UASB) reactor. Water Research, 2017, 108, 189-196.	11.3	37
99	Degradation and Fate of Carbon Tetrachloride in Unadapted Methanogenic Granular Sludge. Applied and Environmental Microbiology, 1998, 64, 2350-2356.	3.1	37
100	Riboflavin- and cobalamin-mediated biodegradation of chloroform in a methanogenic consortium. Biotechnology and Bioengineering, 2005, 89, 539-550.	3.3	36
101	Treatment of acid rock drainage using a sulfate-reducing bioreactor with zero-valent iron. Journal of Hazardous Materials, 2016, 308, 97-105.	12.4	35
102	Anaerobic treatment of hemp thermomechanical pulping wastewater. Water Research, 1998, 32, 3362-3370.	11.3	32
103	Anaerobic microbial mobilization and biotransformation of arsenate adsorbed onto activated alumina. Water Research, 2005, 39, 199-209.	11.3	32
104	Novel chlorometabolites produced by Bjerkandera species. Phytochemistry, 1996, 42, 1699-1701.	2.9	30
105	Assessment of in Situ Reductive Dechlorination Using Compound-Specific Stable Isotopes, Functional Gene PCR, and Geochemical Data. Environmental Science & Technology, 2009, 43, 4301-4307.	10.0	30
106	Removal of nitrate and hexavalent uranium from groundwater by sequential treatment in bioreactors packed with elemental sulfur and zeroâ€valent iron. Biotechnology and Bioengineering, 2010, 107, 933-942.	3.3	30
107	The role of pH on the resistance of restingâ€and active anammox bacteria to NO₂^â inhibition. Biotechnology and Bioengineering, 2014, 111, 1949-1956.	3.3	30
108	Calculated ionisation potentials determine the oxidation of vanillin precursors by lignin peroxidase. FEBS Letters, 1998, 430, 390-392.	2.8	29

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109	Anoxic oxidation of arsenite linked to chemolithotrophic denitrification in continuous bioreactors. Biotechnology and Bioengineering, 2010, 105, 909-917.	3.3	28
110	Continuous removal and recovery of palladium in an upflow anaerobic granular sludge bed (<scp>UASB</scp>) reactor. Journal of Chemical Technology and Biotechnology, 2016, 91, 1183-1189.	3.2	26
111	Facile Reduction of Arsenate in Methanogenic Sludge. Biodegradation, 2004, 15, 185-196.	3.0	25
112	Microbial transformation of chlorinated benzoates. Reviews in Environmental Science and Biotechnology, 2008, 7, 191-210.	8.1	25
113	Exogenous nitrate attenuates nitrite toxicity to anaerobic ammonium oxidizing (anammox) bacteria. Chemosphere, 2016, 144, 2360-2367.	8.2	24
114	Trichlorinated phenols from hypholoma elongatum. Phytochemistry, 1998, 49, 203-206.	2.9	23
115	2-Chloro-1,4-dimethoxybenzene as a mediator of lignin peroxidase catalyzed oxidations. FEBS Letters, 1998, 439, 219-223.	2.8	23
116	Reduction of bromate by biogenic sulfide produced during microbial sulfur disproportionation. Biodegradation, 2010, 21, 235-244.	3.0	23
117	Long term performance of an arsenite-oxidizing-chlorate-reducing microbial consortium in an upflow anaerobic sludge bed (UASB) bioreactor. Bioresource Technology, 2011, 102, 5010-5016.	9.6	23
118	Cerium dioxide (CeO2) nanoparticles decrease arsenite (As(III)) cytotoxicity to 16HBE14o- human bronchial epithelial cells. Environmental Research, 2018, 164, 452-458.	7.5	23
119	The role of denitrification on arsenite oxidation and arsenic mobility in an anoxic sediment column model with activated alumina. Biotechnology and Bioengineering, 2010, 107, 786-794.	3.3	22
120	Socially responsible mining: the relationship between mining and poverty, human health and the environment. Reviews on Environmental Health, 2014, 29, 83-9.	2.4	22
121	Natural Production of Organohalide Compounds in the Environment. , 2016, , 7-29.		22
122	2-Chloro-1,4-Dimethoxybenzene as a Novel Catalytic Cofactor for Oxidation of Anisyl Alcohol by Lignin Peroxidase. Applied and Environmental Microbiology, 1998, 64, 830-835.	3.1	22
123	Influence of humic acids on the hydrolysis of potato protein during anaerobic digestion. Agricultural Wastes, 1985, 13, 105-114.	0.4	21
124	Elemental copper nanoparticle toxicity to different trophic groups involved in anaerobic and anoxic wastewater treatment processes. Science of the Total Environment, 2015, 512-513, 308-315.	8.0	21
125	Algae as an electron donor promoting sulfate reduction for the bioremediation of acid rock drainage. Journal of Hazardous Materials, 2016, 317, 335-343.	12.4	21
126	Ecotoxicity assessment of ionic As(III), As(V), In(III) and Ga(III) species potentially released from novel III-V semiconductor materials. Ecotoxicology and Environmental Safety, 2017, 140, 30-36.	6.0	21

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127	Enhancement of anaerobic carbon tetrachloride biotransformation in methanogenic sludge with redox active vitamins. Biodegradation, 2005, 16, 215-228.	3.0	20
128	Microbial toxicity of ionic species leached from the II-VI semiconductor materials, cadmium telluride (CdTe) and cadmium selenide (CdSe). Chemosphere, 2016, 162, 131-138.	8.2	20
129	Gallium arsenide (GaAs) leaching behavior and surface chemistry changes in response to pH and O2. Waste Management, 2018, 77, 1-9.	7.4	20
130	2-Chloro-1,4-dimethoxybenzene Cation Radical: Formation and Role in the Lignin Peroxidase Oxidation of Anisyl Alcohol. Archives of Biochemistry and Biophysics, 1998, 360, 233-238.	3.0	19
131	Zebrafish embryo toxicity of anaerobic biotransformation products from the insensitive munitions compound 2,4â€dinitroanisole. Environmental Toxicology and Chemistry, 2016, 35, 2774-2781.	4.3	19
132	Elemental copper nanoparticle toxicity to anaerobic ammonium oxidation and the influence of ethylene diamine-tetra acetic acid (EDTA) on copper toxicity. Chemosphere, 2017, 184, 730-737.	8.2	19
133	Microbial Enrichment Culture Responsible for the Complete Oxidative Biodegradation of 3-Amino-1,2,4-triazol-5-one (ATO), the Reduced Daughter Product of the Insensitive Munitions Compound 3-Nitro-1,2,4-triazol-5-one (NTO). Environmental Science & Technology, 2019, 53, 12648-12656.	10.0	18
134	Microbial toxicity of gallium- and indium-based oxide and arsenide nanoparticles. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 168-178.	1.7	18
135	Contribution of extractives to methanogenic toxicity of hemp black liquor. Journal of Bioscience and Bioengineering, 1995, 80, 383-388.	0.9	17
136	Flexible bacterial strains that oxidize arsenite in anoxic or aerobic conditions and utilize hydrogen or acetate as alternative electron donors. Biodegradation, 2012, 23, 133-143.	3.0	17
137	Fate of fluorescent core-shell silica nanoparticles during simulated secondary wastewater treatment. Water Research, 2015, 77, 170-178.	11.3	17
138	Recovery of palladium(II) by methanogenic granular sludge. Chemosphere, 2016, 144, 745-753.	8.2	17
139	Identification and Synthesis of Novel Chlorinatedp-Anisylpropanoid Metabolites fromBjerkanderaSpecies. Journal of Natural Products, 1998, 61, 1110-1114.	3.0	16
140	Microbial toxicity and characterization of DNAN (bio)transformation product mixtures. Chemosphere, 2016, 154, 499-506.	8.2	16
141	Abiotic reduction of insensitive munition compounds by sulfate green rust. Environmental Chemistry, 2018, 15, 259.	1.5	16
142	Adsorption and oxidation of 3-nitro-1,2,4-triazole-5-one (NTO) and its transformation product (3-amino-1,2,4-triazole-5-one, ATO) at ferrihydrite and birnessite surfaces. Environmental Pollution, 2018, 240, 200-208.	7.5	16
143	Anaerobic degradation of citrate under sulfate reducing and methanogenic conditions. Biodegradation, 2009, 20, 499-510.	3.0	15
144	Toxicity of Uranium to Microbial Communities in Anaerobic Biofilms. Water, Air, and Soil Pollution, 2012, 223, 3859-3868.	2.4	15

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145	Nitrate Reverses Severe Nitrite Inhibition of Anaerobic Ammonium Oxidation (Anammox) Activity in Continuously-Fed Bioreactors. Environmental Science & Technology, 2016, 50, 10518-10526.	10.0	15
146	Biotransformation of the Major Fungal Metabolite 3,5-Dichloro- p -Anisyl Alcohol under Anaerobic Conditions and Its Role in Formation of Bis(3,5-Dichloro-4-Hydroxyphenyl)methane. Applied and Environmental Microbiology, 1998, 64, 3225-3231.	3.1	15
147	Biological Elimination of Polycyclic Aromatic Hydrocarbons in Solvent Extracts of Polluted Soil by the White Rot Fungus, Bjerkandera Sp. Strain BOS55. Environmental Technology (United Kingdom), 1996, 17, 317-323.	2.2	14
148	Chlorinated anisyl metabolites produced by basidiomycetes. Mycological Research, 1997, 101, 372-374.	2.5	14
149	Veratryl alcohol-mediated oxidation of isoeugenyl acetate by lignin peroxidase. FEBS Journal, 2001, 265, 1008-1014.	0.2	14
150	Oxidation of reduced daughter products from 2,4-dinitroanisole (DNAN) by Mn(IV) and Fe(III) oxides. Chemosphere, 2018, 201, 790-798.	8.2	14
151	Environmental Fate of ¹⁴C Radiolabeled 2,4-Dinitroanisole in Soil Microcosms. Environmental Science & Technology, 2017, 51, 13327-13334.	10.0	13
152	Dynamics of organohalogen production by the ecologically important fungusHypholoma fasciculare. FEMS Microbiology Letters, 1998, 158, 167-178.	1.8	12
153	Uranium bioremediation in continuously fed upflow sand columns inoculated with anaerobic granules. Biotechnology and Bioengineering, 2011, 108, 2583-2591.	3.3	12
154	Effects of graphene oxide and reduced graphene oxide on acetoclastic, hydrogenotrophic and methylotrophic methanogenesis. Biodegradation, 2020, 31, 35-45.	3.0	12
155	Bacteria Make a Living Breathing the Nitroheterocyclic Insensitive Munitions Compound 3-Nitro-1,2,4-triazol-5-one (NTO). Environmental Science & Technology, 2021, 55, 5806-5814.	10.0	12
156	Assessing protein oxidation by inorganic nanoparticles with enzymeâ€linked immunosorbent assay (ELISA). Biotechnology and Bioengineering, 2013, 110, 694-701.	3.3	11
157	LC-ICP-OES method for antimony speciation analysis in liquid samples. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 457-463.	1.7	11
158	Biologically mediated mobilization of arsenic from granular ferric hydroxide in anaerobic columns fed landfill leachate. Biotechnology and Bioengineering, 2008, 101, 1205-1213.	3.3	10
159	Stability of alumina, ceria, and silica nanoparticles in municipal wastewater. Water Science and Technology, 2014, 70, 1533-1539.	2.5	10
160	Evidence of anaerobic coupling reactions between reduced intermediates of 4-nitroanisole. Chemosphere, 2018, 195, 372-380.	8.2	10
161	Iron(II) monosulfide (FeS) minerals reductively transform the insensitive munitions compounds 2,4-dinitroanisole (DNAN) and 3-nitro-1,2,4-triazol-5-one (NTO). Chemosphere, 2021, 285, 131409.	8.2	10
162	Enhanced anaerobic biotransformation of carbon tetrachloride with precursors of vitamin B12 biosynthesis. Biodegradation, 2006, 17, 317-329.	3.0	9

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163	Reductive biotransformation as a pretreatment to enhance in situ chemical oxidation of nitroaromatic and nitroheterocyclic explosives. Chemosphere, 2019, 222, 1025-1032.	8.2	9
164	Iron sulfide attenuates the methanogenic toxicity of elemental copper and zinc oxide nanoparticles and their soluble metal ion analogs. Science of the Total Environment, 2016, 548-549, 380-389.	8.0	8
165	Continuous treatment of the insensitive munitions compound N-methyl-p-nitro aniline (MNA) in an upflow anaerobic sludge blanket (UASB) bioreactor. Chemosphere, 2016, 144, 1116-1122.	8.2	8
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