Reyes Sierra-Alvarez

List of Publications by Year
in descending order

175 papers	7,312 citations	44069 48 h-index	69250 77 g-index
177 all docs	177 docs citations	177 times ranked	7809 citing authors

#	Article	IF	Citations
1	Treatment of acid rock drainage using a sulphate-reducing bioreactor with a limestone precolumn. Environmental Technology (United Kingdom), 2023, 44, 185-196.	2.2	6
2	Dynamics of Microbial Communities during the Removal of Copper and Zinc in a Sulfate-Reducing Bioreactor with a Limestone Pre-Column System. International Journal of Environmental Research and Public Health, 2022, 19, 1484.	2.6	1
3	Analysis of hydrophilic per- and polyfluorinated sulfonates including trifluoromethanesulfonate using solid phase extraction and mixed-mode liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2022, 1664, 462817.	3.7	6
4	Fate of bis-(4-tert-butyl phenyl)-iodonium under photolithography relevant irradiation and the environmental risk properties of the formed photoproducts. Environmental Science and Pollution Research, 2022, 29, 25988-25994.	5.3	0
5	Enhanced removal of per- and polyfluoroalkyl substances by crosslinked polyaniline polymers. Chemical Engineering Journal, 2022, 446, 137246.	12.7	8
6	Quinone Moieties Link the Microbial Respiration of Natural Organic Matter to the Chemical Reduction of Diverse Nitroaromatic Compounds. Environmental Science & Technology, 2022, 56, 9387-9397.	10.0	7
7	Tailored Polyanilines Are High-Affinity Adsorbents for Per- and Polyfluoroalkyl Substances. ACS ES&T Water, 2022, 2, 1402-1410.	4.6	2
8	Effect of chemical structure on the microbial nitrification inhibition and copper corrosion inhibition properties of azole compounds. Journal of Cleaner Production, 2022, 366, 132871.	9.3	7
9	Reductive transformation of the insensitive munitions compound nitroguanidine by different iron-based reactive minerals. Environmental Pollution, 2022, 309, 119788.	7.5	4
10	Anammox enrichment culture has unexpected capabilities to biotransform azole contaminants of emerging concern. Chemosphere, 2021, 264, 128550.	8.2	2
11	Bioconcentration potential and microbial toxicity of onium cations in photoacid generators. Environmental Science and Pollution Research, 2021, 28, 8915-8921.	5.3	7
12	Toxicity of abrasive nanoparticles (SiO2, CeO2, and Al2O3) on Aliivibrio fischeri and human bronchial epithelial cells (16HBE14o-). Journal of Nanoparticle Research, 2021, 23, 1.	1.9	4
13	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
14	Synthesis and Characterization of Customizable Polyaniline-Derived Polymers and Their Application for Perfluorooctanoic Acid Removal from Aqueous Solution. ACS ES&T Water, 2021, 1, 1438-1446.	4.6	3
15	Photochemical fate of sulfonium photoacid generator cations under photolithography relevant UV irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 416, 113324.	3.9	5
16	Covalent binding with model quinone compounds unveils the environmental fate of the insensitive munitions reduced product 2,4-diaminoanisole (DAAN) under anoxic conditions. Journal of Hazardous Materials, 2021, 413, 125459.	12.4	6
17	Aerobic biodegradation of emerging azole contaminants by return activated sludge and enrichment cultures. Journal of Hazardous Materials, 2021, 417, 126151.	12.4	3
18	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

#	Article	IF	Citations
19	Covalent bonding of aromatic amine daughter products of 2,4-dinitroanisole (DNAN) with model quinone compounds representing humus via nucleophilic addition. Environmental Pollution, 2021, 268, 115862.	7.5	5
20	The Role of Manganese Dioxide in the Natural Formation of Organochlorines. ACS ES&T Water, 2021, 1, 2523-2530.	4.6	2
21	Toxicity of azoles towards the anaerobic ammonium oxidation (anammox) process. Journal of Chemical Technology and Biotechnology, 2020, 95, 1057-1063.	3.2	4
22	Dissolution and final fate of arsenic associated with gypsum, calcite, and ferrihydrite: Influence of microbial reduction of As(V), sulfate, and Fe(III). Chemosphere, 2020, 239, 124823.	8.2	18
23	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
24	Diazole and triazole inhibition of nitrification process in return activated sludge. Chemosphere, 2020, 241, 124993.	8.2	8
25	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
26	Effects of graphene oxide and reduced graphene oxide on acetoclastic, hydrogenotrophic and methylotrophic methanogenesis. Biodegradation, 2020, 31, 35-45.	3.0	12
27	Rapid biotransformation of the insensitive munitions compound, 3-nitro-1,2,4-triazol-5-one (NTO), by wastewater sludge. World Journal of Microbiology and Biotechnology, 2020, 36, 67.	3.6	6
28	Cytotoxicity Assessment of Gallium- and Indium-Based Nanoparticles Toward Human Bronchial Epithelial Cells Using an Impedance-Based Real-Time Cell Analyzer. International Journal of Toxicology, 2020, 39, 218-231.	1.2	3
29	Platinum(II) reduction to platinum nanoparticles in anaerobic sludge. Journal of Chemical Technology and Biotechnology, 2019, 94, 468-474.	3.2	1
30	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
31	Reductive biotransformation as a pretreatment to enhance in situ chemical oxidation of nitroaromatic and nitroheterocyclic explosives. Chemosphere, 2019, 222, 1025-1032.	8.2	9
32	Coupling reactions between reduced intermediates of insensitive munitions compound analog 4-nitroanisole. Chemosphere, 2019, 222, 789-796.	8.2	4
33	Adaptation of granular sludge microbial communities to nitrate, sulfide, and/or p-cresol removal. International Microbiology, 2019, 22, 305-316.	2.4	4
34	Stability and microbial toxicity of HfO₂ and ZrO₂ nanoparticles for photolithography. Green Materials, 2019, 7, 109-117.	2.1	3
35	Cerium dioxide (CeO2) nanoparticles decrease arsenite (As(III)) cytotoxicity to 16HBE14o- human bronchial epithelial cells. Environmental Research, 2018, 164, 452-458.	7.5	23
36	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

#	Article	IF	Citations
37	Evidence of anaerobic coupling reactions between reduced intermediates of 4-nitroanisole. Chemosphere, 2018, 195, 372-380.	8.2	10
38	Reduction of platinum (IV) ions to elemental platinum nanoparticles by anaerobic sludge. Journal of Chemical Technology and Biotechnology, 2018, 93, 1611-1617.	3.2	3
39	Sono-chemical treatment of per- and poly-fluoroalkyl compounds in aqueous film-forming foams by use of a large-scale multi-transducer dual-frequency based acoustic reactor. Ultrasonics Sonochemistry, 2018, 45, 213-222.	8.2	41
40	Pretreatments to enhance the anaerobic biodegradability of Chlorella protothecoides algal biomass. Environmental Progress and Sustainable Energy, 2018, 37, 418-424.	2.3	8
41	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
42	Treatment of perfluorooctane sulfonic acid (PFOS) using a large-scale sonochemical reactor. Separation and Purification Technology, 2018, 194, 104-110.	7.9	66
43	Abiotic reduction of insensitive munition compounds by sulfate green rust. Environmental Chemistry, 2018, 15, 259.	1.5	16
44	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
45	Gallium arsenide (GaAs) leaching behavior and surface chemistry changes in response to pH and O2. Waste Management, 2018, 77, 1-9.	7.4	20
46	Transport and abatement of fluorescent silica nanoparticle (SiO2 NP) in granular filtration: effect of porous media and ionic strength. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	4
47	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
48	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
49	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
50	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
51	Environmental Fate of ¹⁴C Radiolabeled 2,4-Dinitroanisole in Soil Microcosms. Environmental Science & Technology, 2017, 51, 13327-13334.	10.0	13
52	Lithography performance and environmental compatibility of PFOS-free photoacid generators. Green Materials, 2017, 5, 173-181.	2.1	2
53	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
54	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

#	Article	IF	Citations
55	Mechanisms and Control of NO₂^{â^'} Inhibition of Anaerobic Ammonium Oxidation (Anammox). Water Environment Research, 2017, 89, 330-336.	2.7	8
56	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
57	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
58	Identifying Toxic Biotransformation Products of the Insensitive Munitions Compound, 2,4-Dinitroanisole (DNAN), Using Liquid Chromatography Coupled to Quadrupole Time-of-Flight Mass Spectrometry (LC-QToF-MS). ACS Symposium Series, 2016, , 133-145.	0.5	2
59	Microbial toxicity and characterization of DNAN (bio)transformation product mixtures. Chemosphere, 2016, 154, 499-506.	8.2	16
60	In silico design of calixarene-based arsenic acid removal agents. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2016, 85, 169-174.	1.6	2
61	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
62	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
63	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
64	Effect of chemical structure on the sonochemical degradation of perfluoroalkyl and polyfluoroalkyl substances (PFASs). Environmental Science: Water Research and Technology, 2016, 2, 975-983.	2.4	57
65	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
66	Sonochemical degradation of perfluorinated chemicals in aqueous film-forming foams. Journal of Hazardous Materials, 2016, 317, 275-283.	12.4	56
67	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
68	Exogenous nitrate attenuates nitrite toxicity to anaerobic ammonium oxidizing (anammox) bacteria. Chemosphere, 2016, 144, 2360-2367.	8.2	24
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	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
71	(Bio)transformation of 2,4-dinitroanisole (DNAN) in soils. Journal of Hazardous Materials, 2016, 304, 214-221.	12.4	46
72	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

#	Article	IF	Citations
73	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
74	Recovery of palladium(II) by methanogenic granular sludge. Chemosphere, 2016, 144, 745-753.	8.2	17
75	Arsenic remediation by formation of arsenic sulfide minerals in a continuous anaerobic bioreactor. Biotechnology and Bioengineering, 2016, 113, 522-530.	3.3	44
76	Adsorption of novel insensitive munitions compounds at clay mineral and metal oxide surfaces. Environmental Chemistry, 2015, 12, 74.	1.5	38
77	Physical, chemical, and in vitro toxicological characterization of nanoparticles in chemical mechanical planarization suspensions used in the semiconductor industry: towards environmental health and safety assessments. Environmental Science: Nano, 2015, 2, 227-244.	4.3	62
78	Adaptation of a Methanogenic Consortium to Arsenite Inhibition. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	4
79	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
80	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
81	Fate of fluorescent core-shell silica nanoparticles during simulated secondary wastewater treatment. Water Research, 2015, 77, 170-178.	11.3	17
82	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
83	Effect of sound frequency and initial concentration on the sonochemical degradation of perfluorooctane sulfonate (PFOS). Journal of Hazardous Materials, 2015, 300, 662-669.	12.4	67
84	Response to the comments on â€œCadmium telluride leaching behavior: Discussion of Zeng etÂal. (2015)â€• Journal of Environmental Management, 2015, 164, 65-66.	7.8	1
85	Inhibition of anaerobic ammonium oxidation by heavy metals. Journal of Chemical Technology and Biotechnology, 2015, 90, 830-837.	3.2	66
86	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
87	Stability of alumina, ceria, and silica nanoparticles in municipal wastewater. Water Science and Technology, 2014, 70, 1533-1539.	2.5	10
88	Synthesis of ¹³C and ¹⁵N labeled 2,4â€dinitroanisole. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 434-436.	1.0	3
89	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
90	Pre-exposure to nitrite in the absence of ammonium strongly inhibits anammox. Water Research, 2014, 48, 52-60.	11.3	66

#	Article	IF	Citations
91	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
92	Nitrite (not free nitrous acid) is the main inhibitor of the anammox process at common pH conditions. Biotechnology Letters, 2014, 36, 547-551.	2.2	69
93	Inhibition of anaerobic wastewater treatment after long-term exposure to low levels of CuO nanoparticles. Water Research, 2014, 58, 160-168.	11.3	104
94	The intracellular proton gradient enables anaerobic ammonia oxidizing (anammox) bacteria to tolerate NO2â˜ inhibition. Journal of Biotechnology, 2014, 192, 265-267.	3.8	8
95	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
96	Biomineralization of arsenate to arsenic sulfides is greatly enhanced at mildly acidic conditions. Water Research, 2014, 66, 242-253.	11.3	58
97	High pH (and not free ammonia) is responsible for Anammox inhibition in mildly alkaline solutions with excess of ammonium. Biotechnology Letters, 2014, 36, 1981-1986.	2.2	29
98	Biodegradability, Cytotoxicity, and Physicochemical Treatability of Two Novel Perfluorooctane Sulfonate-Free Photoacid Generators. Archives of Environmental Contamination and Toxicology, 2013, 64, 187-197.	4.1	8
99	Toxicity of TiO2, ZrO2, Fe0, Fe2O3, and Mn2O3 nanoparticles to the yeast, Saccharomyces cerevisiae. Chemosphere, 2013, 93, 1201-1206.	8.2	67
100	Tolueneâ€“nitrite inhibition synergy of anaerobic ammonium oxidizing (anammox) activity. Process Biochemistry, 2013, 48, 926-930.	3.7	13
101	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
102	Assessing protein oxidation by inorganic nanoparticles with enzymeâ€linked immunosorbent assay (ELISA). Biotechnology and Bioengineering, 2013, 110, 694-701.	3.3	11
103	Inhibition of anaerobic ammonium oxidizing (anammox) enrichment cultures by substrates, metabolites and common wastewater constituents. Chemosphere, 2013, 91, 22-27.	8.2	149
104	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
105	Removal of TiO2 nanoparticles by porous media: Effect of filtration media and water chemistry. Chemical Engineering Journal, 2013, 217, 212-220.	12.7	31
106	Real-time monitoring of nanoparticle retention in porous media. Environmental Chemistry Letters, 2013, 11, 71-76.	16.2	9
107	Pathways of reductive 2,4â€dinitroanisole (DNAN) biotransformation in sludge. Biotechnology and Bioengineering, 2013, 110, 1595-1604.	3.3	63
108	Interactions of inorganic oxide nanoparticles with sewage biosolids. Water Science and Technology, 2012, 66, 1821-1827.	2.5	22

#	Article	IF	Citations
109	Toxicity of Uranium to Microbial Communities in Anaerobic Biofilms. Water, Air, and Soil Pollution, 2012, 223, 3859-3868.	2.4	15
110	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
111	Fate of cerium dioxide (CeO2) nanoparticles in municipal wastewater during activated sludge treatment. Bioresource Technology, 2012, 108, 300-304.	9.6	84
112	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
113	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
114	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
115	Cytotoxicity and physicochemical properties of hafnium oxide nanoparticles. Chemosphere, 2011, 84, 1401-1407.	8.2	47
116	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
117	Inorganic nanoparticles enhance the production of reactive oxygen species (ROS) during the autoxidation of l-3,4-dihydroxyphenylalanine (l-dopa). Chemosphere, 2011, 85, 19-25.	8.2	28
118	Uranium bioremediation in continuously fed upflow sand columns inoculated with anaerobic granules. Biotechnology and Bioengineering, 2011, 108, 2583-2591.	3.3	12
119	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
120	Environmentally friendly natural materials-based photoacid generators for next-generation photolithography. , 2011, , .		1
121	Reduction of bromate by biogenic sulfide produced during microbial sulfur disproportionation. Biodegradation, 2010, 21, 235-244.	3.0	23
122	Anoxic oxidation of arsenite linked to chemolithotrophic denitrification in continuous bioreactors. Biotechnology and Bioengineering, 2010, 105, 909-917.	3.3	28
123	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
124	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
125	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
126	Anaerobic Oxidation of Arsenite Linked to Chlorate Reduction. Applied and Environmental Microbiology, 2010, 76, 6804-6811.	3.1	72

#	Article	IF	Citations
127	Anaerobic bioremediation of hexavalent uranium in groundwater by reductive precipitation with methanogenic granular sludge. Water Research, 2010, 44, 2153-2162.	11.3	40
128	Anaerobic degradation of citrate under sulfate reducing and methanogenic conditions. Biodegradation, 2009, 20, 499-510.	3.0	15
129	Nitrate and nitrite inhibition of methanogenesis during denitrification in granular biofilms and digested domestic sludges. Biodegradation, 2009, 20, 801-812.	3.0	58
130	Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. FEMS Microbiology Ecology, 2009, 68, 72-85.	2.7	51
131	Removal of copper, chromium and arsenic from preservative-treated wood by chemical extraction-fungal bioleaching. Waste Management, 2009, 29, 1885-1891.	7.4	45
132	Sulfonium Salts of Alicyclic Group Functionalized Semifluorinated Alkyl Ether Sulfonates As Photoacid Generators. Chemistry of Materials, 2009, 21, 4037-4046.	6.7	12
133	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
134	Effect of initial sulfide concentration on sulfide and phenol oxidation under denitrifying conditions. Chemosphere, 2009, 74, 200-205.	8.2	38
135	Toxicity of fluoride to microorganisms in biological wastewater treatment systems. Water Research, 2009, 43, 3177-3186.	11.3	88
136	Molecular characterization of mesophilic and thermophilic sulfate reducing microbial communities in expanded granular sludge bed (EGSB) reactors. Biodegradation, 2008, 19, 161-177.	3.0	13
137	Microbial degradation of chlorinated benzenes. Biodegradation, 2008, 19, 463-480.	3.0	118
138	Microbial degradation of chlorinated phenols. Reviews in Environmental Science and Biotechnology, 2008, 7, 211-241.	8.1	137
139	Microbial transformation of chlorinated benzoates. Reviews in Environmental Science and Biotechnology, 2008, 7, 191-210.	8.1	25
140	Simultaneous sulfide and acetate oxidation under denitrifying conditions using an inverse fluidized bed reactor. Journal of Chemical Technology and Biotechnology, 2008, 83, 1197-1203.	3.2	28
141	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
142	Microbial transformation and degradation of polychlorinated biphenyls. Environmental Pollution, 2008, 155, 1-12.	7.5	272
143	Microbial community dynamics in a chemolithotrophic denitrification reactor inoculated with methanogenic granular sludge. Chemosphere, 2008, 70, 462-474.	8.2	93
144	Microbial perchlorate reduction with elemental sulfur and other inorganic electron donors. Chemosphere, 2008, 71, 114-122.	8.2	59

#	Article	IF	Citations
145	Microbial degradation of chlorinated dioxins. Chemosphere, 2008, 71, 1005-1018.	8.2	112
146	Removal of perfluorinated surfactants by sorption onto granular activated carbon, zeolite and sludge. Chemosphere, 2008, 72, 1588-1593.	8.2	346
147	Reductive Defluorination of Perfluorooctane Sulfonate. Environmental Science & Technology, 2008, 42, 3260-3264.	10.0	108
148	Chemolithotrophic denitrification with elemental sulfur for groundwater treatment. Water Research, 2007, 41, 1253-1262.	11.3	230
149	Removal of Copper in an Integrated Sulfate Reducing Bioreactorâ^'Crystallization Reactor System. Environmental Science & Technology, 2007, 41, 1426-1431.	10.0	34
150	Fungal Biotransformation Products of Dehydroabietic Acid. Journal of Natural Products, 2007, 70, 154-159.	3.0	45
151	Chemolithotrophic perchlorate reduction linked to the oxidation of elemental sulfur. Biotechnology and Bioengineering, 2007, 96, 1073-1082.	3.3	51
152	Fungal bio-treatment of spruce wood with Trametes versicolor for pitch control: Influence on extractive contents, pulping process parameters, paper quality and effluent toxicity. Bioresource Technology, 2007, 98, 302-311.	9.6	41
153	Fungal bioleaching of metals in preservative-treated wood. Process Biochemistry, 2007, 42, 798-804.	3.7	45
154	ACUTE TOXICITY OF ARSENIC TO DAPHNIA PULEX: INFLUENCE OF ORGANIC FUNCTIONAL GROUPS AND OXIDATION STATE. Environmental Toxicology and Chemistry, 2007, 26, 1532.	4.3	40
155	Anaerobic Biotransformation of Organoarsenical Pesticides Monomethylarsonic Acid and Dimethylarsinic Acid. Journal of Agricultural and Food Chemistry, 2006, 54, 3959-3966.	5.2	42
156	Anaerobic Biotransformation of Roxarsone and Related N-Substituted Phenylarsonic Acids. Environmental Science & Technology, 2006, 40, 2951-2957.	10.0	170
157	Toxicity of copper to acetoclastic and hydrogenotrophic activities of methanogens and sulfate reducers in anaerobic sludge. Chemosphere, 2006, 62, 121-127.	8.2	77
158	Biological treatment of heavy metals in acid mine drainage using sulfate reducing bioreactors. Water Science and Technology, 2006, 54, 179-185.	2.5	26
159	Sulfide oxidation under chemolithoautotrophic denitrifying conditions. Biotechnology and Bioengineering, 2006, 95, 1148-1157.	3.3	310
160	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
161	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
162	Anaerobic microbial mobilization and biotransformation of arsenate adsorbed onto activated alumina. Water Research, 2005, 39, 199-209.	11.3	32

#	Article	IF	Citations
163	Methanogenic Inhibition by Arsenic Compounds. Applied and Environmental Microbiology, 2004, 70, 5688-5691.	3.1	51
164	Facile Reduction of Arsenate in Methanogenic Sludge. Biodegradation, 2004, 15, 185-196.	3.0	25
165	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
166	Rapid analysis of apolar low molecular weight constituents in wood using high pressure liquid chromatography with evaporative light scattering detection. Phytochemical Analysis, 2000, 11, 251-256.	2.4	14
167	Degradation and detoxification of softwood extractives by sapstain fungi. Bioresource Technology, 2000, 71, 13-20.	9.6	40
168	Elimination and detoxification of softwood extractives by white-rot fungi. Journal of Biotechnology, 2000, 80, 231-240.	3.8	43
169	Peroxidase and Aryl Metabolite Production by the White Rot FungusBjerkanderasp. Strain BOS55 During Solid State Fermentation of Lignocellulosic Substrates. Holzforschung, 1998, 52, 351-358.	1.9	12
170	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
171	Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains. Journal of Biotechnology, 1997, 53, 237-251.	3.8	72
172	Brightness Improvement Of Douglas Fir Thermomechanical Pulp By Edta And Ascorbic Acid Treatments On Chips. Journal of Wood Chemistry and Technology, 1996, 16, 155-167.	1.7	8
173	Modelling Organosolv Pulping of Hemp. Holzforschung, 1994, 48, 415-422.	1.9	37
174	The effect of aromatic structure on the inhibition of acetoclastic methanogenesis in granular sludge. Applied Microbiology and Biotechnology, 1991, 34, 544.	3.6	102
175	The continuous anaerobic treatment of pulping wastewaters. Journal of Bioscience and Bioengineering, 1990, 70, 119-127.	0.9	39