

Reyes Sierra-Alvarez

List of Publications by Year in descending order

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Version: 2024-02-01

175
papers

7,312
citations

43973

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h-index

69108

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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. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 185-196.	1.2	6
2	Dynamics of Microbial Communities during the Removal of Copper and Zinc in a Sulfate-Reducing Bioreactor with a Limestone Pre-Column System. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1484.	1.2	1
3	Analysis of hydrophilic per- and polyfluorinated sulfonates including trifluoromethanesulfonate using solid phase extraction and mixed-mode liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1664, 462817.	1.8	6
4	Fate of bis-(4-tert-butyl phenyl)-iodonium under photolithography relevant irradiation and the environmental risk properties of the formed photoproducts. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25988-25994.	2.7	0
5	Enhanced removal of per- and polyfluoroalkyl substances by crosslinked polyaniline polymers. <i>Chemical Engineering Journal</i> , 2022, 446, 137246.	6.6	8
6	Quinone Moieties Link the Microbial Respiration of Natural Organic Matter to the Chemical Reduction of Diverse Nitroaromatic Compounds. <i>Environmental Science & Technology</i> , 2022, 56, 9387-9397.	4.6	7
7	Tailored Polyanilines Are High-Affinity Adsorbents for Per- and Polyfluoroalkyl Substances. <i>ACS ES&T Water</i> , 2022, 2, 1402-1410.	2.3	2
8	Effect of chemical structure on the microbial nitrification inhibition and copper corrosion inhibition properties of azole compounds. <i>Journal of Cleaner Production</i> , 2022, 366, 132871.	4.6	7
9	Reductive transformation of the insensitive munitions compound nitroguanidine by different iron-based reactive minerals. <i>Environmental Pollution</i> , 2022, 309, 119788.	3.7	4
10	Anammox enrichment culture has unexpected capabilities to biotransform azole contaminants of emerging concern. <i>Chemosphere</i> , 2021, 264, 128550.	4.2	2
11	Bioconcentration potential and microbial toxicity of onium cations in photoacid generators. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8915-8921.	2.7	7
12	Toxicity of abrasive nanoparticles (SiO ₂ , CeO ₂ , and Al ₂ O ₃) on <i>Aliivibrio fischeri</i> and human bronchial epithelial cells (16HBE14o-). <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	4
13	Bacteria Make a Living Breathing the Nitroheterocyclic Insensitive Munitions Compound 3-Nitro-1,2,4-triazol-5-one (NTO). <i>Environmental Science & Technology</i> , 2021, 55, 5806-5814.	4.6	12
14	Synthesis and Characterization of Customizable Polyaniline-Derived Polymers and Their Application for Perfluorooctanoic Acid Removal from Aqueous Solution. <i>ACS ES&T Water</i> , 2021, 1, 1438-1446.	2.3	3
15	Photochemical fate of sulfonium photoacid generator cations under photolithography relevant UV irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 416, 113324.	2.0	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. <i>Journal of Hazardous Materials</i> , 2021, 413, 125459.	6.5	6
17	Aerobic biodegradation of emerging azole contaminants by return activated sludge and enrichment cultures. <i>Journal of Hazardous Materials</i> , 2021, 417, 126151.	6.5	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). <i>Chemosphere</i> , 2021, 285, 131409.	4.2	10

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19	Covalent bonding of aromatic amine daughter products of 2,4-dinitroanisole (DNAN) with model quinone compounds representing humus via nucleophilic addition. <i>Environmental Pollution</i> , 2021, 268, 115862.	3.7	5
20	The Role of Manganese Dioxide in the Natural Formation of Organochlorines. <i>ACS ES&T Water</i> , 2021, 1, 2523-2530.	2.3	2
21	Toxicity of azoles towards the anaerobic ammonium oxidation (anammox) process. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1057-1063.	1.6	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). <i>Chemosphere</i> , 2020, 239, 124823.	4.2	18
23	Microbial toxicity of gallium- and indium-based oxide and arsenide nanoparticles. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 168-178.	0.9	18
24	Diazole and triazole inhibition of nitrification process in return activated sludge. <i>Chemosphere</i> , 2020, 241, 124993.	4.2	8
25	LC-ICP-OES method for antimony speciation analysis in liquid samples. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 457-463.	0.9	11
26	Effects of graphene oxide and reduced graphene oxide on acetoclastic, hydrogenotrophic and methylo-trophic methanogenesis. <i>Biodegradation</i> , 2020, 31, 35-45.	1.5	12
27	Rapid biotransformation of the insensitive munitions compound, 3-nitro-1,2,4-triazol-5-one (NTO), by wastewater sludge. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 67.	1.7	6
28	Cytotoxicity Assessment of Gallium- and Indium-Based Nanoparticles Toward Human Bronchial Epithelial Cells Using an Impedance-Based Real-Time Cell Analyzer. <i>International Journal of Toxicology</i> , 2020, 39, 218-231.	0.6	3
29	Platinum(II) reduction to platinum nanoparticles in anaerobic sludge. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 468-474.	1.6	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). <i>Environmental Science & Technology</i> , 2019, 53, 12648-12656.	4.6	18
31	Reductive biotransformation as a pretreatment to enhance in situ chemical oxidation of nitroaromatic and nitroheterocyclic explosives. <i>Chemosphere</i> , 2019, 222, 1025-1032.	4.2	9
32	Coupling reactions between reduced intermediates of insensitive munitions compound analog 4-nitroanisole. <i>Chemosphere</i> , 2019, 222, 789-796.	4.2	4
33	Adaptation of granular sludge microbial communities to nitrate, sulfide, and/or p-cresol removal. <i>International Microbiology</i> , 2019, 22, 305-316.	1.1	4
34	Stability and microbial toxicity of HfO ₂ and ZrO ₂ nanoparticles for photolithography. <i>Green Materials</i> , 2019, 7, 109-117.	1.1	3
35	Cerium dioxide (CeO ₂) nanoparticles decrease arsenite (As(III)) cytotoxicity to 16HBE14o- human bronchial epithelial cells. <i>Environmental Research</i> , 2018, 164, 452-458.	3.7	23
36	Oxidation of reduced daughter products from 2,4-dinitroanisole (DNAN) by Mn(IV) and Fe(III) oxides. <i>Chemosphere</i> , 2018, 201, 790-798.	4.2	14

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37	Evidence of anaerobic coupling reactions between reduced intermediates of 4-nitroanisole. <i>Chemosphere</i> , 2018, 195, 372-380.	4.2	10
38	Reduction of platinum (IV) ions to elemental platinum nanoparticles by anaerobic sludge. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1611-1617.	1.6	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. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 213-222.	3.8	41
40	Pretreatments to enhance the anaerobic biodegradability of <i>Chlorella protothecoides</i> algal biomass. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 418-424.	1.3	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). <i>Journal of Hazardous Materials</i> , 2018, 343, 340-346.	6.5	41
42	Treatment of perfluorooctane sulfonic acid (PFOS) using a large-scale sonochemical reactor. <i>Separation and Purification Technology</i> , 2018, 194, 104-110.	3.9	66
43	Abiotic reduction of insensitive munition compounds by sulfate green rust. <i>Environmental Chemistry</i> , 2018, 15, 259.	0.7	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. <i>Environmental Pollution</i> , 2018, 240, 200-208.	3.7	16
45	Gallium arsenide (GaAs) leaching behavior and surface chemistry changes in response to pH and O ₂ . <i>Waste Management</i> , 2018, 77, 1-9.	3.7	20
46	Transport and abatement of fluorescent silica nanoparticle (SiO ₂ NP) in granular filtration: effect of porous media and ionic strength. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	4
47	Ecotoxicity assessment of ionic As(III), As(V), In(III) and Ga(III) species potentially released from novel III-V semiconductor materials. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 30-36.	2.9	21
48	Nutrient recovery and biogas generation from the anaerobic digestion of waste biomass from algal biofuel production. <i>Renewable Energy</i> , 2017, 108, 410-416.	4.3	71
49	Leaching of cadmium and tellurium from cadmium telluride (CdTe) thin-film solar panels under simulated landfill conditions. <i>Journal of Hazardous Materials</i> , 2017, 336, 57-64.	6.5	81
50	Elemental copper nanoparticle toxicity to anaerobic ammonium oxidation and the influence of ethylene diamine-tetra acetic acid (EDTA) on copper toxicity. <i>Chemosphere</i> , 2017, 184, 730-737.	4.2	19
51	Environmental Fate of ¹⁴ C Radiolabeled 2,4-Dinitroanisole in Soil Microcosms. <i>Environmental Science & Technology</i> , 2017, 51, 13327-13334.	4.6	13
52	Lithography performance and environmental compatibility of PFOS-free photoacid generators. <i>Green Materials</i> , 2017, 5, 173-181.	1.1	2
53	Continuous reduction of tellurite to recoverable tellurium nanoparticles using an upflow anaerobic sludge bed (UASB) reactor. <i>Water Research</i> , 2017, 108, 189-196.	5.3	37
54	Sequential anaerobic-aerobic biodegradation of emerging insensitive munitions compound 3-nitro-1,2,4-triazol-5-one (NTO). <i>Chemosphere</i> , 2017, 167, 478-484.	4.2	38

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55	Mechanisms and Control of NO ₂ ⁺ Inhibition of Anaerobic Ammonium Oxidation (Anammox). <i>Water Environment Research</i> , 2017, 89, 330-336.	1.3	8
56	Zebrafish embryo toxicity of anaerobic biotransformation products from the insensitive munitions compound 2,4-dinitroanisole. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2774-2781.	2.2	19
57	Algae as an electron donor promoting sulfate reduction for the bioremediation of acid rock drainage. <i>Journal of Hazardous Materials</i> , 2016, 317, 335-343.	6.5	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). <i>ACS Symposium Series</i> , 2016, , 133-145.	0.5	2
59	Microbial toxicity and characterization of DNAN (bio)transformation product mixtures. <i>Chemosphere</i> , 2016, 154, 499-506.	4.2	16
60	In silico design of calixarene-based arsenic acid removal agents. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 85, 169-174.	0.9	2
61	Nitrate Reverses Severe Nitrite Inhibition of Anaerobic Ammonium Oxidation (Anammox) Activity in Continuously-Fed Bioreactors. <i>Environmental Science & Technology</i> , 2016, 50, 10518-10526.	4.6	15
62	Microbial toxicity of ionic species leached from the II-VI semiconductor materials, cadmium telluride (CdTe) and cadmium selenide (CdSe). <i>Chemosphere</i> , 2016, 162, 131-138.	4.2	20
63	Microbial toxicity and biodegradability of perfluorooctane sulfonate (PFOS) and shorter chain perfluoroalkyl and polyfluoroalkyl substances (PFASs). <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1236-1246.	1.7	77
64	Effect of chemical structure on the sonochemical degradation of perfluoroalkyl and polyfluoroalkyl substances (PFASs). <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 975-983.	1.2	57
65	Continuous removal and recovery of palladium in an upflow anaerobic granular sludge bed (<sc>UASB</sc>) reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1183-1189.	1.6	26
66	Sonochemical degradation of perfluorinated chemicals in aqueous film-forming foams. <i>Journal of Hazardous Materials</i> , 2016, 317, 275-283.	6.5	56
67	Treatment of acid rock drainage using a sulfate-reducing bioreactor with zero-valent iron. <i>Journal of Hazardous Materials</i> , 2016, 308, 97-105.	6.5	35
68	Exogenous nitrate attenuates nitrite toxicity to anaerobic ammonium oxidizing (anammox) bacteria. <i>Chemosphere</i> , 2016, 144, 2360-2367.	4.2	24
69	Arsenic (III, V), indium (III), and gallium (III) toxicity to zebrafish embryos using a high-throughput multi-endpoint in vivo developmental and behavioral assay. <i>Chemosphere</i> , 2016, 148, 361-368.	4.2	53
70	Iron sulfide attenuates the methanogenic toxicity of elemental copper and zinc oxide nanoparticles and their soluble metal ion analogs. <i>Science of the Total Environment</i> , 2016, 548-549, 380-389.	3.9	8
71	(Bio)transformation of 2,4-dinitroanisole (DNAN) in soils. <i>Journal of Hazardous Materials</i> , 2016, 304, 214-221.	6.5	46
72	Recovery of Elemental Tellurium Nanoparticles by the Reduction of Tellurium Oxyanions in a Methanogenic Microbial Consortium. <i>Environmental Science & Technology</i> , 2016, 50, 1492-1500.	4.6	63

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73	Continuous treatment of the insensitive munitions compound N-methyl-p-nitro aniline (MNA) in an upflow anaerobic sludge blanket (UASB) bioreactor. <i>Chemosphere</i> , 2016, 144, 1116-1122.	4.2	8
74	Recovery of palladium(II) by methanogenic granular sludge. <i>Chemosphere</i> , 2016, 144, 745-753.	4.2	17
75	Arsenic remediation by formation of arsenic sulfide minerals in a continuous anaerobic bioreactor. <i>Biotechnology and Bioengineering</i> , 2016, 113, 522-530.	1.7	44
76	Adsorption of novel insensitive munitions compounds at clay mineral and metal oxide surfaces. <i>Environmental Chemistry</i> , 2015, 12, 74.	0.7	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. <i>Environmental Science: Nano</i> , 2015, 2, 227-244.	2.2	62
78	Adaptation of a Methanogenic Consortium to Arsenite Inhibition. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	4
79	Elemental copper nanoparticle toxicity to different trophic groups involved in anaerobic and anoxic wastewater treatment processes. <i>Science of the Total Environment</i> , 2015, 512-513, 308-315.	3.9	21
80	Cadmium telluride (CdTe) and cadmium selenide (CdSe) leaching behavior and surface chemistry in response to pH and O ₂ . <i>Journal of Environmental Management</i> , 2015, 154, 78-85.	3.8	71
81	Fate of fluorescent core-shell silica nanoparticles during simulated secondary wastewater treatment. <i>Water Research</i> , 2015, 77, 170-178.	5.3	17
82	Biotransformation and Degradation of the Insensitive Munitions Compound, 3-Nitro-1,2,4-triazol-5-one, by Soil Bacterial Communities. <i>Environmental Science & Technology</i> , 2015, 49, 5681-5688.	4.6	54
83	Effect of sound frequency and initial concentration on the sonochemical degradation of perfluorooctane sulfonate (PFOS). <i>Journal of Hazardous Materials</i> , 2015, 300, 662-669.	6.5	67
84	Response to the comments on "Cadmium telluride leaching behavior: Discussion of Zeng et al. (2015)". <i>Journal of Environmental Management</i> , 2015, 164, 65-66.	3.8	1
85	Inhibition of anaerobic ammonium oxidation by heavy metals. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 830-837.	1.6	66
86	Role of biogenic sulfide in attenuating zinc oxide and copper nanoparticle toxicity to acetoclastic methanogenesis. <i>Journal of Hazardous Materials</i> , 2015, 283, 755-763.	6.5	45
87	Stability of alumina, ceria, and silica nanoparticles in municipal wastewater. <i>Water Science and Technology</i> , 2014, 70, 1533-1539.	1.2	10
88	Synthesis of ¹³ C and ¹⁵ N labeled 2,4-dinitroanisole. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 434-436.	0.5	3
89	The role of pH on the resistance of resting and active anammox bacteria to NO ₂ ⁻ inhibition. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1949-1956.	1.7	30
90	Pre-exposure to nitrite in the absence of ammonium strongly inhibits anammox. <i>Water Research</i> , 2014, 48, 52-60.	5.3	66

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91	Fate and long-term inhibitory impact of ZnO nanoparticles during high-rate anaerobic wastewater treatment. <i>Journal of Environmental Management</i> , 2014, 135, 110-117.	3.8	46
92	Nitrite (not free nitrous acid) is the main inhibitor of the anammox process at common pH conditions. <i>Biotechnology Letters</i> , 2014, 36, 547-551.	1.1	69
93	Inhibition of anaerobic wastewater treatment after long-term exposure to low levels of CuO nanoparticles. <i>Water Research</i> , 2014, 58, 160-168.	5.3	104
94	The intracellular proton gradient enables anaerobic ammonia oxidizing (anammox) bacteria to tolerate NO ₂ ⁻ inhibition. <i>Journal of Biotechnology</i> , 2014, 192, 265-267.	1.9	8
95	Starved anammox cells are less resistant to NO ₂ ⁻ inhibition. <i>Water Research</i> , 2014, 65, 170-176.	5.3	45
96	Biomineralization of arsenate to arsenic sulfides is greatly enhanced at mildly acidic conditions. <i>Water Research</i> , 2014, 66, 242-253.	5.3	58
97	High pH (and not free ammonia) is responsible for Anammox inhibition in mildly alkaline solutions with excess of ammonium. <i>Biotechnology Letters</i> , 2014, 36, 1981-1986.	1.1	29
98	Biodegradability, Cytotoxicity, and Physicochemical Treatability of Two Novel Perfluorooctane Sulfonate-Free Photoacid Generators. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 187-197.	2.1	8
99	Toxicity of TiO ₂ , ZrO ₂ , FeO, Fe ₂ O ₃ , and Mn ₂ O ₃ nanoparticles to the yeast, <i>Saccharomyces cerevisiae</i> . <i>Chemosphere</i> , 2013, 93, 1201-1206.	4.2	67
100	Toluene's nitrite inhibition synergy of anaerobic ammonium oxidizing (anammox) activity. <i>Process Biochemistry</i> , 2013, 48, 926-930.	1.8	13
101	Toxicity assessment of inorganic nanoparticles to acetoclastic and hydrogenotrophic methanogenic activity in anaerobic granular sludge. <i>Journal of Hazardous Materials</i> , 2013, 260, 278-285.	6.5	134
102	Assessing protein oxidation by inorganic nanoparticles with enzyme-linked immunosorbent assay (ELISA). <i>Biotechnology and Bioengineering</i> , 2013, 110, 694-701.	1.7	11
103	Inhibition of anaerobic ammonium oxidizing (anammox) enrichment cultures by substrates, metabolites and common wastewater constituents. <i>Chemosphere</i> , 2013, 91, 22-27.	4.2	149
104	Microbial toxicity of the insensitive munitions compound, 2,4-dinitroanisole (DNAN), and its aromatic amine metabolites. <i>Journal of Hazardous Materials</i> , 2013, 262, 281-287.	6.5	49
105	Removal of TiO ₂ nanoparticles by porous media: Effect of filtration media and water chemistry. <i>Chemical Engineering Journal</i> , 2013, 217, 212-220.	6.6	31
106	Real-time monitoring of nanoparticle retention in porous media. <i>Environmental Chemistry Letters</i> , 2013, 11, 71-76.	8.3	9
107	Pathways of reductive 2,4-dinitroanisole (DNAN) biotransformation in sludge. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1595-1604.	1.7	63
108	Interactions of inorganic oxide nanoparticles with sewage biosolids. <i>Water Science and Technology</i> , 2012, 66, 1821-1827.	1.2	22

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109	Toxicity of Uranium to Microbial Communities in Anaerobic Biofilms. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3859-3868.	1.1	15
110	Application and Validation of an Impedance-Based Real Time Cell Analyzer to Measure the Toxicity of Nanoparticles Impacting Human Bronchial Epithelial Cells. <i>Environmental Science & Technology</i> , 2012, 46, 10271-10278.	4.6	71
111	Fate of cerium dioxide (CeO ₂) nanoparticles in municipal wastewater during activated sludge treatment. <i>Bioresource Technology</i> , 2012, 108, 300-304.	4.8	84
112	Flexible bacterial strains that oxidize arsenite in anoxic or aerobic conditions and utilize hydrogen or acetate as alternative electron donors. <i>Biodegradation</i> , 2012, 23, 133-143.	1.5	17
113	Low toxicity of HfO ₂ , SiO ₂ , Al ₂ O ₃ and CeO ₂ nanoparticles to the yeast, <i>Saccharomyces cerevisiae</i> . <i>Journal of Hazardous Materials</i> , 2011, 192, 1572-1579.	6.5	90
114	Toxicity of copper(II) ions to microorganisms in biological wastewater treatment systems. <i>Science of the Total Environment</i> , 2011, 412-413, 380-385.	3.9	164
115	Cytotoxicity and physicochemical properties of hafnium oxide nanoparticles. <i>Chemosphere</i> , 2011, 84, 1401-1407.	4.2	47
116	Stoichiometric and molecular evidence for the enrichment of anaerobic ammonium oxidizing bacteria from wastewater treatment plant sludge samples. <i>Chemosphere</i> , 2011, 84, 1262-1269.	4.2	43
117	Inorganic nanoparticles enhance the production of reactive oxygen species (ROS) during the autoxidation of L-3,4-dihydroxyphenylalanine (L-dopa). <i>Chemosphere</i> , 2011, 85, 19-25.	4.2	28
118	Uranium bioremediation in continuously fed upflow sand columns inoculated with anaerobic granules. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2583-2591.	1.7	12
119	Long term performance of an arsenite-oxidizing-chlorate-reducing microbial consortium in an upflow anaerobic sludge bed (UASB) bioreactor. <i>Bioresource Technology</i> , 2011, 102, 5010-5016.	4.8	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. <i>Biodegradation</i> , 2010, 21, 235-244.	1.5	23
122	Anoxic oxidation of arsenite linked to chemolithotrophic denitrification in continuous bioreactors. <i>Biotechnology and Bioengineering</i> , 2010, 105, 909-917.	1.7	28
123	Removal of nitrate and hexavalent uranium from groundwater by sequential treatment in bioreactors packed with elemental sulfur and zero-valent iron. <i>Biotechnology and Bioengineering</i> , 2010, 107, 933-942.	1.7	30
124	The role of denitrification on arsenite oxidation and arsenic mobility in an anoxic sediment column model with activated alumina. <i>Biotechnology and Bioengineering</i> , 2010, 107, 786-794.	1.7	22
125	Methanogenic inhibition by roxarsone (4-hydroxy-3-nitrophenylarsonic acid) and related aromatic arsenic compounds. <i>Journal of Hazardous Materials</i> , 2010, 175, 352-358.	6.5	47
126	Anaerobic Oxidation of Arsenite Linked to Chlorate Reduction. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6804-6811.	1.4	72

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127	Anaerobic bioremediation of hexavalent uranium in groundwater by reductive precipitation with methanogenic granular sludge. <i>Water Research</i> , 2010, 44, 2153-2162.	5.3	40
128	Anaerobic degradation of citrate under sulfate reducing and methanogenic conditions. <i>Biodegradation</i> , 2009, 20, 499-510.	1.5	15
129	Nitrate and nitrite inhibition of methanogenesis during denitrification in granular biofilms and digested domestic sludges. <i>Biodegradation</i> , 2009, 20, 801-812.	1.5	58
130	Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. <i>FEMS Microbiology Ecology</i> , 2009, 68, 72-85.	1.3	51
131	Removal of copper, chromium and arsenic from preservative-treated wood by chemical extraction-fungal bioleaching. <i>Waste Management</i> , 2009, 29, 1885-1891.	3.7	45
132	Sulfonium Salts of Alicyclic Group Functionalized Semifluorinated Alkyl Ether Sulfonates As Photoacid Generators. <i>Chemistry of Materials</i> , 2009, 21, 4037-4046.	3.2	12
133	Arsenite and Ferrous Iron Oxidation Linked to Chemolithotrophic Denitrification for the Immobilization of Arsenic in Anoxic Environments. <i>Environmental Science & Technology</i> , 2009, 43, 6585-6591.	4.6	80
134	Effect of initial sulfide concentration on sulfide and phenol oxidation under denitrifying conditions. <i>Chemosphere</i> , 2009, 74, 200-205.	4.2	38
135	Toxicity of fluoride to microorganisms in biological wastewater treatment systems. <i>Water Research</i> , 2009, 43, 3177-3186.	5.3	88
136	Molecular characterization of mesophilic and thermophilic sulfate reducing microbial communities in expanded granular sludge bed (EGSB) reactors. <i>Biodegradation</i> , 2008, 19, 161-177.	1.5	13
137	Microbial degradation of chlorinated benzenes. <i>Biodegradation</i> , 2008, 19, 463-480.	1.5	118
138	Microbial degradation of chlorinated phenols. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 211-241.	3.9	137
139	Microbial transformation of chlorinated benzoates. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 191-210.	3.9	25
140	Simultaneous sulfide and acetate oxidation under denitrifying conditions using an inverse fluidized bed reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1197-1203.	1.6	28
141	Biologically mediated mobilization of arsenic from granular ferric hydroxide in anaerobic columns fed landfill leachate. <i>Biotechnology and Bioengineering</i> , 2008, 101, 1205-1213.	1.7	10
142	Microbial transformation and degradation of polychlorinated biphenyls. <i>Environmental Pollution</i> , 2008, 155, 1-12.	3.7	272
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