

Jurg Keller

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

31,890
citations

2675

95
h-index

4228

174
g-index

225
all docs

225
docs citations

225
times ranked

17355
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of continuous and intermittent trickling strategies for the removal of hydrogen sulfide in a biotrickling filter. <i>Chemosphere</i> , 2022, 291, 132723.	8.2	10
2	Electrochemical oxidation processes for PFAS removal from contaminated water and wastewater: fundamentals, gaps and opportunities towards practical implementation. <i>Journal of Hazardous Materials</i> , 2022, 434, 128886.	12.4	28
3	The impact of primary sedimentation on the use of iron-rich drinking water sludge on the urban wastewater system. <i>Journal of Hazardous Materials</i> , 2021, 402, 124051.	12.4	16
4	Selective Extraction of Medium-Chain Carboxylic Acids by Electrodialysis and Phase Separation. <i>ACS Omega</i> , 2021, 6, 7841-7850.	3.5	8
5	Enhancing anaerobic digestion using free nitrous acid: Identifying the optimal pre-treatment condition in continuous operation. <i>Water Research</i> , 2021, 205, 117694.	11.3	10
6	Effects of in-sewer dosing of iron-rich drinking water sludge on wastewater collection and treatment systems. <i>Water Research</i> , 2020, 171, 115396.	11.3	40
7	Effects of aging of ferric-based drinking water sludge on its reactivity for sulfide and phosphate removal. <i>Water Research</i> , 2020, 184, 116179.	11.3	15
8	Recovery of in-sewer dosed iron from digested sludge at downstream treatment plants and its reuse potential. <i>Water Research</i> , 2020, 174, 115627.	11.3	35
9	Opportunities for reducing coagulants usage in urban water management: The Oxley Creek Sewage Collection and Treatment System as an example. <i>Water Research</i> , 2019, 165, 114996.	11.3	17
10	Removal of Pharmaceuticals and Illicit Drugs from Wastewater Due to Ferric Dosing in Sewers. <i>Environmental Science & Technology</i> , 2019, 53, 6245-6254.	10.0	27
11	Global diversity and biogeography of bacterial communities in wastewater treatment plants. <i>Nature Microbiology</i> , 2019, 4, 1183-1195.	13.3	491
12	Microbial electrosynthesis system with dual biocathode arrangement for simultaneous acetogenesis, solventogenesis and carbon chain elongation. <i>Chemical Communications</i> , 2019, 55, 4351-4354.	4.1	60
13	Periodic deprivation of gaseous hydrogen sulfide affects the activity of the concrete corrosion layer in sewers. <i>Water Research</i> , 2019, 157, 463-471.	11.3	12
14	Effective removal of MIB and geosmin using MBBR for drinking water treatment. <i>Water Research</i> , 2019, 149, 440-447.	11.3	16
15	Evaluation of data-driven models for predicting the service life of concrete sewer pipes subjected to corrosion. <i>Journal of Environmental Management</i> , 2019, 234, 431-439.	7.8	47
16	Oxidative capacitance of sulfate-based boron-doped diamond electrochemical system. <i>Electrochemistry Communications</i> , 2018, 89, 14-18.	4.7	14
17	A comprehensive laboratory assessment of the effects of sewer-dosed iron salts on wastewater treatment processes. <i>Water Research</i> , 2018, 146, 109-117.	11.3	56
18	Microbial Electrosynthesis of Isobutyric, Butyric, Caproic Acids, and Corresponding Alcohols from Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8485-8493.	6.7	174

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19	Recovering Nitrogen as a Solid without Chemical Dosing: Bio-Electroconcentration for Recovery of Nutrients from Urine. <i>Environmental Science and Technology Letters</i> , 2017, 4, 119-124.	8.7	96
20	Long-term performance of enhanced-zero valent iron for drinking water treatment: A lab-scale study. <i>Chemical Engineering Journal</i> , 2017, 315, 124-131.	12.7	7
21	A novel bioelectrochemical system for chemical-free permanent treatment of acid mine drainage. <i>Water Research</i> , 2017, 126, 411-420.	11.3	60
22	Comparison of microbial communities across sections of a corroding sewer pipe and the effects of wastewater flooding. <i>Biofouling</i> , 2017, 33, 780-792.	2.2	24
23	Odor emissions from domestic wastewater: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1581-1611.	12.8	83
24	Nutrient removal and energy recovery from high-rate activated sludge processes – Impact of sludge age. <i>Bioresource Technology</i> , 2017, 245, 1155-1161.	9.6	56
25	Assessment of the impact of chloride on the formation of chlorinated by-products in the presence and absence of electrochemically activated sulfate. <i>Chemical Engineering Journal</i> , 2017, 330, 1265-1271.	12.7	58
26	Selective cathodic microbial biofilm retention allows a high current-to-sulfide efficiency in sulfate-reducing microbial electrolysis cells. <i>Bioelectrochemistry</i> , 2017, 118, 62-69.	4.6	22
27	Kinetics and mechanisms of nitrate and ammonium formation during ozonation of dissolved organic nitrogen. <i>Water Research</i> , 2017, 108, 451-461.	11.3	58
28	Prediction of concrete corrosion in sewers with hybrid Gaussian processes regression model. <i>RSC Advances</i> , 2017, 7, 30894-30903.	3.6	34
29	Biologically Induced Hydrogen Production Drives High Rate/High Efficiency Microbial Electrosynthesis of Acetate from Carbon Dioxide. <i>ChemElectroChem</i> , 2016, 3, 581-591.	3.4	122
30	Evaluation of anaerobic digestion processes for short sludge-age waste activated sludge combined with anammox treatment of digestate liquor. <i>Water Science and Technology</i> , 2016, 73, 1052-1060.	2.5	5
31	Nitrite addition to acidified sludge significantly improves digestibility, toxic metal removal, dewaterability and pathogen reduction. <i>Scientific Reports</i> , 2016, 6, 39795.	3.3	5
32	Reducing natural organic matter and disinfection by-product precursors by alternating oxic and anoxic conditions during engineered short residence time riverbank filtration: A laboratory-scale column study. <i>Science of the Total Environment</i> , 2016, 565, 616-625.	8.0	15
33	Domestic wastewater treatment with purple phototrophic bacteria using a novel continuous photo anaerobic membrane bioreactor. <i>Water Research</i> , 2016, 100, 486-495.	11.3	159
34	Reverse osmosis integrity monitoring in water reuse: The challenge to verify virus removal – A review. <i>Water Research</i> , 2016, 98, 384-395.	11.3	98
35	Cathodic biofilm activates electrode surface and achieves efficient autotrophic sulfate reduction. <i>Electrochimica Acta</i> , 2016, 213, 66-74.	5.2	27
36	Wastewater-Enhanced Microbial Corrosion of Concrete Sewers. <i>Environmental Science & Technology</i> , 2016, 50, 8084-8092.	10.0	85

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37	Biodegradability of DBP precursors after drinking water ozonation. <i>Water Research</i> , 2016, 106, 550-561.	11.3	51
38	Predicting concrete corrosion of sewers using artificial neural network. <i>Water Research</i> , 2016, 92, 52-60.	11.3	106
39	Enhancing zero valent iron based natural organic matter removal by mixing with dispersed carbon cathodes. <i>Science of the Total Environment</i> , 2016, 550, 95-102.	8.0	15
40	Bringing High-Rate, CO ₂ -Based Microbial Electrosynthesis Closer to Practical Implementation through Improved Electrode Design and Operating Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 1982-1989.	10.0	141
41	Effects of surface washing on the mitigation of concrete corrosion under sewer conditions. <i>Cement and Concrete Composites</i> , 2016, 68, 88-95.	10.7	30
42	Marine phototrophic consortia transfer electrons to electrodes in response to reductive stress. <i>Photosynthesis Research</i> , 2016, 127, 347-354.	2.9	15
43	Identification of controlling factors for the initiation of corrosion of fresh concrete sewers. <i>Water Research</i> , 2015, 80, 30-40.	11.3	78
44	Feasibility of sulfide control in sewers by reuse of iron rich drinking water treatment sludge. <i>Water Research</i> , 2015, 71, 150-159.	11.3	77
45	Oxidised stainless steel: a very effective electrode material for microbial fuel cell bioanodes but at high risk of corrosion. <i>Electrochimica Acta</i> , 2015, 158, 356-360.	5.2	47
46	A laboratory investigation of interactions between denitrifying anaerobic methane oxidation (DAMO) and anammox processes in anoxic environments. <i>Scientific Reports</i> , 2015, 5, 8706.	3.3	71
47	Enhancing Toxic Metal Removal from Acidified Sludge with Nitrite Addition. <i>Environmental Science & Technology</i> , 2015, 49, 6257-6263.	10.0	35
48	Impact of fluctuations in gaseous H ₂ S concentrations on sulfide uptake by sewer concrete: The effect of high H ₂ S loads. <i>Water Research</i> , 2015, 81, 84-91.	11.3	28
49	Source-separated urine opens golden opportunities for microbial electrochemical technologies. <i>Trends in Biotechnology</i> , 2015, 33, 214-220.	9.3	156
50	Development of bioelectrocatalytic activity stimulates mixed culture reduction of glycerol in a bioelectrochemical system. <i>Microbial Biotechnology</i> , 2015, 8, 483-489.	4.2	34
51	Towards reducing DBP formation potential of drinking water by favouring direct ozone over hydroxyl radical reactions during ozonation. <i>Water Research</i> , 2015, 87, 49-58.	11.3	116
52	High Acetic Acid Production Rate Obtained by Microbial Electrosynthesis from Carbon Dioxide. <i>Environmental Science & Technology</i> , 2015, 49, 13566-13574.	10.0	241
53	<i>Methanobacterium</i> enables high rate electricity-driven autotrophic sulfate reduction. <i>RSC Advances</i> , 2015, 5, 89368-89374.	3.6	35
54	Scaling-Free Electrochemical Production of Caustic and Oxygen for Sulfide Control in Sewers. <i>Environmental Science & Technology</i> , 2015, 49, 11395-11402.	10.0	9

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55	Fully reversible current driven by a dual marine photosynthetic microbial community. <i>Bioresource Technology</i> , 2015, 195, 248-253.	9.6	12
56	Removal of Persistent Organic Contaminants by Electrochemically Activated Sulfate. <i>Environmental Science & Technology</i> , 2015, 49, 14326-14333.	10.0	240
57	A novel and simple treatment for control of sulfide induced sewer concrete corrosion using free nitrous acid. <i>Water Research</i> , 2015, 70, 279-287.	11.3	51
58	Autotrophic hydrogen-producing biofilm growth sustained by a cathode as the sole electron and energy source. <i>Bioelectrochemistry</i> , 2015, 102, 56-63.	4.6	71
59	Electrochemical Abatement of Hydrogen Sulfide from Waste Streams. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1555-1578.	12.8	75
60	Biological phosphorus removal from abattoir wastewater at very short sludge ages mediated by a novel PAO clade Comamonadaceae. <i>Water Research</i> , 2015, 69, 173-182.	11.3	132
61	Removal of organic contaminants from secondary effluent by anodic oxidation with a boron-doped diamond anode as tertiary treatment. <i>Journal of Hazardous Materials</i> , 2015, 283, 551-557.	12.4	241
62	Oxygen Suppresses Light-Driven Anodic Current Generation by a Mixed Phototrophic Culture. <i>Environmental Science & Technology</i> , 2014, 48, 14000-14006.	10.0	17
63	Phototrophic bacteria for nutrient recovery from domestic wastewater. <i>Water Research</i> , 2014, 50, 18-26.	11.3	139
64	The role of iron in sulfide induced corrosion of sewer concrete. <i>Water Research</i> , 2014, 49, 166-174.	11.3	92
65	A novel carbon nanotube modified scaffold as an efficient biocathode material for improved microbial electrosynthesis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13093-13102.	10.3	236
66	Determining the long-term effects of H ₂ S concentration, relative humidity and air temperature on concrete sewer corrosion. <i>Water Research</i> , 2014, 65, 157-169.	11.3	122
67	Reducing sewer corrosion through integrated urban water management. <i>Science</i> , 2014, 345, 812-814.	12.6	194
68	A rapid, non-destructive methodology to monitor activity of sulfide-induced corrosion of concrete based on H ₂ S uptake rate. <i>Water Research</i> , 2014, 59, 229-238.	11.3	32
69	Wastewater Treatment (Microbial Bioelectrochemical) and Production of Value-Added By-Products. , 2014, , 2111-2117.		1
70	Electrochemical Treatment of Reverse Osmosis Concentrates. , 2014, , 644-651.		1
71	Anaerobic oxidation of methane coupled to nitrate reduction in a novel archaeal lineage. <i>Nature</i> , 2013, 500, 567-570.	27.8	1,029
72	Anodic Reactivity of Ferrous Sulfide Precipitates Changing over Time due to Particulate Speciation. <i>Environmental Science & Technology</i> , 2013, 47, 12366-12373.	10.0	9

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73	Nitrogen Removal from Wastewater by Coupling Anammox and Methane-Dependent Denitrification in a Membrane Biofilm Reactor. <i>Environmental Science & Technology</i> , 2013, 47, 11577-11583.	10.0	214
74	The nanostructure of three-dimensional scaffolds enhances the current density of microbial bioelectrochemical systems. <i>Energy and Environmental Science</i> , 2013, 6, 1291.	30.8	132
75	Plasma treatment of electrodes significantly enhances the development of anodic electrochemically active biofilms. <i>Electrochimica Acta</i> , 2013, 108, 566-574.	5.2	35
76	Operating aerobic wastewater treatment at very short sludge ages enables treatment and energy recovery through anaerobic sludge digestion. <i>Water Research</i> , 2013, 47, 6546-6557.	11.3	108
77	Effects of Surface Charge and Hydrophobicity on Anodic Biofilm Formation, Community Composition, and Current Generation in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2013, 47, 7563-7570.	10.0	294
78	Effect of pH on the ageing of reverse osmosis membranes upon exposure to hypochlorite. <i>Desalination</i> , 2013, 309, 97-105.	8.2	73
79	Carbon and Electron Fluxes during the Electricity Driven 1,3-Propanediol Biosynthesis from Glycerol. <i>Environmental Science & Technology</i> , 2013, 47, 11199-11205.	10.0	86
80	Removal of the X-ray Contrast Media Diatrizoate by Electrochemical Reduction and Oxidation. <i>Environmental Science & Technology</i> , 2013, 47, 13686-13694.	10.0	45
81	Impact of Iron Salt Dosage to Sewers on Downstream Anaerobic Sludge Digesters: Sulfide Control and Methane Production. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 594-601.	1.4	93
82	Evaluating a strategy for maintaining nitrifier activity during long-term starvation in a moving bed biofilm reactor (MBBR) treating reverse osmosis concentrate. <i>Water Science and Technology</i> , 2012, 66, 837-842.	2.5	4
83	Dynamic Response of Sulfate-Reducing and Methanogenic Activities of Anaerobic Sewer Biofilms to Ferric Dosing. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 510-517.	1.4	12
84	High-Throughput Amplicon Sequencing Reveals Distinct Communities within a Corroding Concrete Sewer System. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7160-7162.	3.1	64
85	Ozonation and biological activated carbon filtration of wastewater treatment plant effluents. <i>Water Research</i> , 2012, 46, 863-872.	11.3	297
86	Reductive electrochemical remediation of emerging and regulated disinfection byproducts. <i>Water Research</i> , 2012, 46, 1705-1714.	11.3	78
87	Long-term field test of an electrochemical method for sulfide removal from sewage. <i>Water Research</i> , 2012, 46, 3085-3093.	11.3	24
88	Surface neutralization and H ₂ S oxidation at early stages of sewer corrosion: Influence of temperature, relative humidity and H ₂ S concentration. <i>Water Research</i> , 2012, 46, 4235-4245.	11.3	141
89	Consumption-based approach for assessing the contribution of hospitals towards the load of pharmaceutical residues in municipal wastewater. <i>Environment International</i> , 2012, 45, 99-111.	10.0	111
90	Bioelectrochemical systems: Microbial versus enzymatic catalysis. <i>Electrochimica Acta</i> , 2012, 82, 165-174.	5.2	57

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91	Anodic Reactivity of Ferrous Sulfide Particles Generated in Wastewater Treatment. ECS Meeting Abstracts, 2012, , .	0.0	0
92	Dehalogenation of Iodinated X-ray Contrast Media in a Bioelectrochemical System. Environmental Science & Technology, 2011, 45, 782-788.	10.0	43
93	Electrochemical oxidation of trace organic contaminants in reverse osmosis concentrate using RuO ₂ /IrO ₂ -coated titanium anodes. Water Research, 2011, 45, 1579-1586.	11.3	140
94	Electrochemical sulfide removal from synthetic and real domestic wastewater at high current densities. Water Research, 2011, 45, 2281-2289.	11.3	66
95	Characterisation and removal of recalcitrants in reverse osmosis concentrates from water reclamation plants. Water Research, 2011, 45, 2415-2427.	11.3	96
96	Biofiltration of wastewater treatment plant effluent: Effective removal of pharmaceuticals and personal care products and reduction of toxicity. Water Research, 2011, 45, 2751-2762.	11.3	210
97	Electrochemical sulfide oxidation from domestic wastewater using mixed metal-coated titanium electrodes. Water Research, 2011, 45, 5381-5388.	11.3	93
98	Fate of N-nitrosodimethylamine, trihalomethane and haloacetic acid precursors in tertiary treatment including biofiltration. Water Research, 2011, 45, 5695-5704.	11.3	76
99	Optimization of intermittent, simultaneous dosage of nitrite and hydrochloric acid to control sulfide and methane productions in sewers. Water Research, 2011, 45, 6163-6172.	11.3	72
100	Effect of nitrate and nitrite on the selection of microorganisms in the denitrifying anaerobic methane oxidation process. Environmental Microbiology Reports, 2011, 3, 315-319.	2.4	103
101	Biofilm stratification during simultaneous nitrification and denitrification (SND) at a biocathode. Bioresource Technology, 2011, 102, 334-341.	9.6	160
102	Understanding the operational parameters affecting NDMA formation at Advanced Water Treatment Plants. Journal of Hazardous Materials, 2011, 185, 1575-1581.	12.4	64
103	SCORE-CT: a new method for testing effectiveness of sulfide-control chemicals used in sewer systems. Water Science and Technology, 2011, 64, 2381-2388.	2.5	18
104	Initial development and structure of biofilms on microbial fuel cell anodes. BMC Microbiology, 2010, 10, 98.	3.3	180
105	Microbial fuel cells operating on mixed fatty acids. Bioresource Technology, 2010, 101, 1233-1238.	9.6	188
106	Electrochemical Quartz Crystal Microbalance to Monitor Biofilm Growth and Properties during BioElectrochemical System Inoculation and Load Conditions. ECS Transactions, 2010, 28, 11-22.	0.5	5
107	Ferrous Salt Demand for Sulfide Control in Rising Main Sewers: Tests on a Laboratory-Scale Sewer System. Journal of Environmental Engineering, ASCE, 2010, 136, 1180-1187.	1.4	20
108	Removal of magnetic resonance imaging contrast agents through advanced water treatment plants. Water Science and Technology, 2010, 61, 685-692.	2.5	24

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109	High Current Generation Coupled to Caustic Production Using a Lamellar Bioelectrochemical System. <i>Environmental Science & Technology</i> , 2010, 44, 4315-4321.	10.0	179
110	Determining the fraction of pharmaceutical residues in wastewater originating from a hospital. <i>Water Research</i> , 2010, 44, 605-615.	11.3	148
111	Monitoring the biological activity of micropollutants during advanced wastewater treatment with ozonation and activated carbon filtration. <i>Water Research</i> , 2010, 44, 477-492.	11.3	109
112	Removal of micropollutants and reduction of biological activity in a full scale reclamation plant using ozonation and activated carbon filtration. <i>Water Research</i> , 2010, 44, 625-637.	11.3	280
113	Electrochemical sulfide removal and recovery from paper mill anaerobic treatment effluent. <i>Water Research</i> , 2010, 44, 2563-2571.	11.3	80
114	Simultaneous nitrification, denitrification and carbon removal in microbial fuel cells. <i>Water Research</i> , 2010, 44, 2970-2980.	11.3	341
115	Understanding the properties of aerobic sludge granules as hydrogels. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1483-1493.	3.3	102
116	Impact of oxygen mass transfer on nitrification reactions in suspended carrier reactor biofilms. <i>Process Biochemistry</i> , 2009, 44, 43-53.	3.7	40
117	A comparative study of methanol as a supplementary carbon source for enhancing denitrification in primary and secondary anoxic zones. <i>Biodegradation</i> , 2009, 20, 221-234.	3.0	38
118	A sequencing batch reactor system for high-level biological nitrogen and phosphorus removal from abattoir wastewater. <i>Biodegradation</i> , 2009, 20, 339-350.	3.0	39
119	Electrochemical regeneration of sulfur loaded electrodes. <i>Electrochemistry Communications</i> , 2009, 11, 1437-1440.	4.7	58
120	Efficient hydrogen peroxide generation from organic matter in a bioelectrochemical system. <i>Electrochemistry Communications</i> , 2009, 11, 1752-1755.	4.7	371
121	Removal of sulfate from high-strength wastewater by crystallisation. <i>Water Research</i> , 2009, 43, 762-772.	11.3	92
122	Development of a model for assessing methane formation in rising main sewers. <i>Water Research</i> , 2009, 43, 2874-2884.	11.3	107
123	Detection of anthropogenic gadolinium in treated wastewater in South East Queensland, Australia. <i>Water Research</i> , 2009, 43, 3534-3540.	11.3	86
124	Inhibition of sulfate-reducing and methanogenic activities of anaerobic sewer biofilms by ferric iron dosing. <i>Water Research</i> , 2009, 43, 4123-4132.	11.3	153
125	Impact of nitrate addition on biofilm properties and activities in rising main sewers. <i>Water Research</i> , 2009, 43, 4225-4237.	11.3	106
126	Sulfur transformation in rising main sewers receiving nitrate dosage. <i>Water Research</i> , 2009, 43, 4430-4440.	11.3	155

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127	Gel-forming exopolysaccharides explain basic differences between structures of aerobic sludge granules and floccular sludges. <i>Water Research</i> , 2009, 43, 4469-4478.	11.3	151
128	Role of Sulfur during Acetate Oxidation in Biological Anodes. <i>Environmental Science & Technology</i> , 2009, 43, 3839-3845.	10.0	69
129	Enrichment of denitrifying anaerobic methane oxidizing microorganisms. <i>Environmental Microbiology Reports</i> , 2009, 1, 377-384.	2.4	196
130	Decolorization of Azo Dyes in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2009, 43, 5137-5143.	10.0	299
131	Nitrobenzene Removal in Bioelectrochemical Systems. <i>Environmental Science & Technology</i> , 2009, 43, 8690-8695.	10.0	191
132	Electron Fluxes in a Microbial Fuel Cell Performing Carbon and Nitrogen Removal. <i>Environmental Science & Technology</i> , 2009, 43, 5144-5149.	10.0	126
133	Variation in Biofilm Structure and Activity Along the Length of a Rising Main Sewer. <i>Water Environment Research</i> , 2009, 81, 800-808.	2.7	30
134	Partial nitrification to nitrite using low dissolved oxygen concentration as the main selection factor. <i>Biodegradation</i> , 2008, 19, 303-312.	3.0	336
135	Sludge population optimisation in biological nutrient removal wastewater treatment systems through on-line process control: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 243-254.	8.1	29
136	The anode potential regulates bacterial activity in microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 409-418.	3.6	350
137	Simultaneous nitrification, denitrification, and phosphorus removal from nutrient-rich industrial wastewater using granular sludge. <i>Biotechnology and Bioengineering</i> , 2008, 100, 529-541.	3.3	215
138	Microstructure of copolymers of polyhydroxyalkanoates produced by glycogen accumulating organisms with acetate as the sole carbon source. <i>Process Biochemistry</i> , 2008, 43, 968-977.	3.7	19
139	Cathodic oxygen reduction catalyzed by bacteria in microbial fuel cells. <i>ISME Journal</i> , 2008, 2, 519-527.	9.8	268
140	Towards practical implementation of bioelectrochemical wastewater treatment. <i>Trends in Biotechnology</i> , 2008, 26, 450-459.	9.3	1,039
141	Sequential anode-cathode configuration improves cathodic oxygen reduction and effluent quality of microbial fuel cells. <i>Water Research</i> , 2008, 42, 1387-1396.	11.3	181
142	Methane formation in sewer systems. <i>Water Research</i> , 2008, 42, 1421-1430.	11.3	254
143	Demonstration of nitrogen removal via nitrite in a sequencing batch reactor treating domestic wastewater. <i>Water Research</i> , 2008, 42, 2166-2176.	11.3	179
144	Dynamics and dynamic modelling of H ₂ S production in sewer systems. <i>Water Research</i> , 2008, 42, 2527-2538.	11.3	139

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145	Microbial fuel cells for simultaneous carbon and nitrogen removal. <i>Water Research</i> , 2008, 42, 3013-3024.	11.3	412
146	Evaluation of oxygen injection as a means of controlling sulfide production in a sewer system. <i>Water Research</i> , 2008, 42, 4549-4561.	11.3	135
147	Spontaneous electrochemical removal of aqueous sulfide. <i>Water Research</i> , 2008, 42, 4965-4975.	11.3	120
148	Characterisation of polyhydroxyalkanoate copolymers with controllable four-monomer composition. <i>Journal of Biotechnology</i> , 2008, 134, 137-145.	3.8	72
149	Syntrophic Processes Drive the Conversion of Glucose in Microbial Fuel Cell Anodes. <i>Environmental Science & Technology</i> , 2008, 42, 7937-7943.	10.0	186
150	Using Anoxygenic Photosynthetic Bacteria for the Removal of Sulfide from Wastewater. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 437-460.	1.0	11
151	Analysis of Free Ammonia Inhibition of Nitrite Oxidizing Bacteria Using a Dissolved Oxygen Respirometer. <i>Environmental Engineering Research</i> , 2008, 13, 125-130.	2.5	12
152	Determination of Growth Rate and Yield of Nitrifying Bacteria by Measuring Carbon Dioxide Uptake Rate. <i>Water Environment Research</i> , 2007, 79, 2437-2445.	2.7	71
153	METABOLIC MODEL OF THE AEROBIC METABOLISM OF POLYPHOSPHATE ACCUMULATING ORGANISMS WITH A PROPIONATE CARBON SOURCE. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 1243-1255.	0.0	0
154	Effect of free ammonia on the respiration and growth processes of an enriched <i>Nitrobacter</i> culture. <i>Water Research</i> , 2007, 41, 826-834.	11.3	198
155	Engineered ecosystem for sustainable on-site wastewater treatment. <i>Water Research</i> , 2007, 41, 1823-1831.	11.3	18
156	Kinetic characterisation of an enriched <i>Nitrospira</i> culture with comparison to <i>Nitrobacter</i> . <i>Water Research</i> , 2007, 41, 3033-3042.	11.3	331
157	Anaerobic metabolism of <i>Deftluviococcus vanus</i> related glycogen accumulating organisms (GAOs) with acetate and propionate as carbon sources. <i>Water Research</i> , 2007, 41, 1885-1896.	11.3	75
158	Effectiveness of an alternating aerobic, anoxic/anaerobic strategy for maintaining biomass activity of BNR sludge during long-term starvation. <i>Water Research</i> , 2007, 41, 2590-2598.	11.3	54
159	Advances in enhanced biological phosphorus removal: From micro to macro scale. <i>Water Research</i> , 2007, 41, 2271-2300.	11.3	998
160	Endogenous metabolism of <i>Candidatus Accumulibacter phosphatis</i> under various starvation conditions. <i>Water Research</i> , 2007, 41, 4646-4656.	11.3	81
161	Production of targeted poly(3-hydroxyalkanoates) copolymers by glycogen accumulating organisms using acetate as sole carbon source. <i>Journal of Biotechnology</i> , 2007, 129, 489-497.	3.8	79
162	Electron and Carbon Balances in Microbial Fuel Cells Reveal Temporary Bacterial Storage Behavior During Electricity Generation. <i>Environmental Science & Technology</i> , 2007, 41, 2915-2921.	10.0	231

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