

Guangming Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

145
papers

7,761
citations

43973

48
h-index

62479

80
g-index

146
all docs

146
docs citations

146
times ranked

5916
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing cultivation of biodiesel-promising microalgae <i>Chlorella pyrenoidosa</i> using plant hormones in municipal wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9753-9763.	2.9	8
2	Enhancing integrated denitrifying anaerobic methane oxidation and Anammox processes for nitrogen and methane removal: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 390-415.	6.6	9
3	SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity, and inactivation. <i>Environmental Research</i> , 2022, 203, 111839.	3.7	75
4	Analytical performance comparison of four SARS-CoV-2 RT-qPCR primer-probe sets for wastewater samples. <i>Science of the Total Environment</i> , 2022, 806, 150572.	3.9	10
5	Corrosion mitigation by nitrite spray on corroded concrete in a real sewer system. <i>Science of the Total Environment</i> , 2022, 806, 151328.	3.9	10
6	Evaluation of continuous and intermittent trickling strategies for the removal of hydrogen sulfide in a biotrickling filter. <i>Chemosphere</i> , 2022, 291, 132723.	4.2	10
7	Decay of four enteric pathogens and implications to wastewater-based epidemiology: Effects of temperature and wastewater dilutions. <i>Science of the Total Environment</i> , 2022, 819, 152000.	3.9	17
8	Enhanced decay of coronaviruses in sewers with domestic wastewater. <i>Science of the Total Environment</i> , 2022, 813, 151919.	3.9	27
9	Dissecting the Chain Length Effect on Separation of Alkane-in-Water Emulsions with Superwetting Microchannels. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6157-6166.	4.0	6
10	Successful application of wastewater-based epidemiology in prediction and monitoring of the second wave of COVID-19 with fragmented sewerage systems—a case study of Jaipur (India). <i>Environmental Monitoring and Assessment</i> , 2022, 194, 342.	1.3	11
11	Effect of microwave on biomass growth and oxygen production of microalgae <i>Chlorella pyrenoidosa</i> cultured in real wastewater. <i>Chemical Engineering Research and Design</i> , 2022, 161, 22-33.	2.7	11
12	SARS-CoV-2 shedding sources in wastewater and implications for wastewater-based epidemiology. <i>Journal of Hazardous Materials</i> , 2022, 432, 128667.	6.5	34
13	Lead time of early warning by wastewater surveillance for COVID-19: Geographical variations and impacting factors. <i>Chemical Engineering Journal</i> , 2022, 441, 135936.	6.6	40
14	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology. <i>Water Research</i> , 2022, 218, 118451.	5.3	52
15	Insights into the Role of Na ⁺ on the Transformation of Gypsum into $\frac{1}{2}$ -Hemihydrate Whiskers in Alcohol-Water Systems. <i>ACS Omega</i> , 2022, 7, 15570-15579.	1.6	6
16	Application of digital PCR for public health-related water quality monitoring. <i>Science of the Total Environment</i> , 2022, 837, 155663.	3.9	36
17	Enhancing harvest of biodiesel-promising microalgae using <i>Daphnia</i> domesticated by amino acids. <i>Environmental Research</i> , 2022, 212, 113465.	3.7	3
18	Back-estimation of norovirus infections through wastewater-based epidemiology: A systematic review and parameter sensitivity. <i>Water Research</i> , 2022, 219, 118610.	5.3	25

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19	Accelerated biocorrosion of stainless steel in marine water via extracellular electron transfer encoding gene <i>phzH</i> of <i>Pseudomonas aeruginosa</i> . <i>Water Research</i> , 2022, 220, 118634.	5.3	45
20	Defective Layered Double Hydroxide Nanosheet Boosts Electrocatalytic Hydrodechlorination Reaction on Supported Palladium Nanoparticles. <i>ACS ES&T Water</i> , 2022, 2, 1451-1460.	2.3	17
21	Vertical outbreak of COVID-19 in high-rise buildings: The role of sewer stacks and prevention measures. <i>Current Opinion in Environmental Science and Health</i> , 2022, 29, 100379.	2.1	6
22	Physiological suitability of sulfate-reducing granules for the development of bioconcrete. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2743-2756.	1.7	3
23	Predicting the concentrations of enteric viruses in urban rivers running through the city center via an artificial neural network. <i>Journal of Hazardous Materials</i> , 2022, 438, 129506.	6.5	3
24	Transformation of phthalates and their metabolites in wastewater under different sewer conditions. <i>Water Research</i> , 2021, 190, 116754.	5.3	14
25	Dual-site electrocatalytic nitrate reduction to ammonia on oxygen vacancy-enriched and Pd-decorated MnO ₂ nanosheets. <i>Nanoscale</i> , 2021, 13, 17504-17511.	2.8	27
26	Surface Ligand Environment Boosts the Electrocatalytic Hydrodechlorination Reaction on Palladium Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4072-4083.	4.0	38
27	Effect of on-Site Sludge Reduction and Wastewater Treatment Based on Electrochemical-A/O Combined Process. <i>Water (Switzerland)</i> , 2021, 13, 941.	1.2	4
28	Reduction of excess sludge production by membrane bioreactor coupled with anoxic side-stream reactors. <i>Journal of Environmental Management</i> , 2021, 281, 111919.	3.8	19
29	Co-digestion of primary sewage sludge with drinking water treatment sludge: A comprehensive evaluation of benefits. <i>Bioresource Technology</i> , 2021, 330, 124994.	4.8	10
30	Optimizing the metal-support interactions at the Pd-polymer carbon nitride Mott-Schottky heterojunction interface for an enhanced electrocatalytic hydrodechlorination reaction. <i>Journal of Hazardous Materials</i> , 2021, 411, 125119.	6.5	27
31	Effects of pH, Temperature, Suspended Solids, and Biological Activity on Transformation of Illicit Drug and Pharmaceutical Biomarkers in Sewers. <i>Environmental Science & Technology</i> , 2021, 55, 8771-8782.	4.6	26
32	Uncertainties in estimating SARS-CoV-2 prevalence by wastewater-based epidemiology. <i>Chemical Engineering Journal</i> , 2021, 415, 129039.	6.6	133
33	Biotrickling filter for the removal of volatile sulfur compounds from sewers: A review. <i>Chemosphere</i> , 2021, 277, 130333.	4.2	26
34	Self-healing bioconcrete based on non-axenic granules: A potential solution for concrete wastewater infrastructure. <i>Journal of Water Process Engineering</i> , 2021, 42, 102139.	2.6	23
35	A novel granular sludge-based and highly corrosion-resistant bio-concrete in sewers. <i>Science of the Total Environment</i> , 2021, 791, 148270.	3.9	27
36	Data-driven estimation of COVID-19 community prevalence through wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 789, 147947.	3.9	54

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37	Synergistic effect on concrete corrosion control in sewer environment achieved by applying surface washing on calcium nitrite admixed concrete. <i>Construction and Building Materials</i> , 2021, 302, 124184.	3.2	11
38	Molecular Methods for Pathogenic Bacteria Detection and Recent Advances in Wastewater Analysis. <i>Water (Switzerland)</i> , 2021, 13, 3551.	1.2	18
39	Nitrogen defect structure and NO ⁺ intermediate promoted photocatalytic NO removal on H ₂ treated g-C ₃ N ₄ . <i>Chemical Engineering Journal</i> , 2020, 379, 122282.	6.6	260
40	Pd-TiO ₂ Schottky heterojunction catalyst boost the electrocatalytic hydrodechlorination reaction. <i>Chemical Engineering Journal</i> , 2020, 381, 122673.	6.6	75
41	Nitrite admixed concrete for wastewater structures: Mechanical properties, leaching behavior and biofilm development. <i>Construction and Building Materials</i> , 2020, 233, 117341.	3.2	27
42	Strong pyrrolic-Nâ€‘Pd interactions boost the electrocatalytic hydrodechlorination reaction on palladium nanoparticles. <i>Nanoscale</i> , 2020, 12, 843-850.	2.8	25
43	Considerations for assessing stability of wastewater-based epidemiology biomarkers using biofilm-free and sewer reactor tests. <i>Science of the Total Environment</i> , 2020, 709, 136228.	3.9	42
44	Effects of in-sewer dosing of iron-rich drinking water sludge on wastewater collection and treatment systems. <i>Water Research</i> , 2020, 171, 115396.	5.3	40
45	Improving wastewater management using free nitrous acid (FNA). <i>Water Research</i> , 2020, 171, 115382.	5.3	111
46	Activating palladium nanoparticles via a Mott-Schottky heterojunction in electrocatalytic hydrodechlorination reaction. <i>Journal of Hazardous Materials</i> , 2020, 389, 121876.	6.5	39
47	Enhanced anaerobic digestion of primary sludge with additives: Performance and mechanisms. <i>Bioresource Technology</i> , 2020, 316, 123970.	4.8	40
48	Detection of SARS-CoV-2 RNA in commercial passenger aircraft and cruise ship wastewater: a surveillance tool for assessing the presence of COVID-19 infected travellers. <i>Journal of Travel Medicine</i> , 2020, 27, .	1.4	146
49	Synergistic inhibitory effects of free nitrous acid and imidazoline derivative on metal corrosion in a simulated water injection system. <i>Water Research</i> , 2020, 184, 116122.	5.3	18
50	Transformation of Illicit Drugs and Pharmaceuticals in Sewer Sediments. <i>Environmental Science & Technology</i> , 2020, 54, 13056-13065.	4.6	22
51	Assessing the removal of organic micropollutants from wastewater by discharging drinking water sludge to sewers. <i>Water Research</i> , 2020, 181, 115945.	5.3	22
52	Full-scale investigation of ferrous dosing in sewers and a wastewater treatment plant for multiple benefits. <i>Chemosphere</i> , 2020, 250, 126221.	4.2	30
53	Decreasing microbially influenced metal corrosion using free nitrous acid in a simulated water injection system. <i>Water Research</i> , 2020, 172, 115470.	5.3	17
54	Increased Resistance of Nitrite-Admixed Concrete to Microbially Induced Corrosion in Real Sewers. <i>Environmental Science & Technology</i> , 2020, 54, 2323-2333.	4.6	33

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55	Effects of dosing iron- and alum-containing waterworks sludge on sulfide and phosphate removal in a pilot sewer. <i>Chemical Engineering Journal</i> , 2020, 387, 124073.	6.6	28
56	Rebar corrosion and its interaction with concrete degradation in reinforced concrete sewers. <i>Water Research</i> , 2020, 182, 115961.	5.3	25
57	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.	5.3	17
58	Identifying the rate-determining step of the electrocatalytic hydrodechlorination reaction on palladium nanoparticles. <i>Nanoscale</i> , 2019, 11, 15892-15899.	2.8	34
59	Electrocatalytic hydrodechlorination of 2,4-dichlorophenol over palladium nanoparticles: The critical role of hydroxyl group deprotonation. <i>Applied Catalysis A: General</i> , 2019, 583, 117146.	2.2	29
60	Controlling the secondary pollutant on B-doped g-C ₃ N ₄ during photocatalytic NO removal: a combined DRIFTS and DFT investigation. <i>Catalysis Science and Technology</i> , 2019, 9, 4531-4537.	2.1	20
61	Bimetallic Composition-Promoted Electrocatalytic Hydrodechlorination Reaction on Silver-Palladium Alloy Nanoparticles. <i>ACS Catalysis</i> , 2019, 9, 10803-10811.	5.5	115
62	Evaluating the stability of three oxidative stress biomarkers under sewer conditions and potential impact for use in wastewater-based epidemiology. <i>Water Research</i> , 2019, 166, 115068.	5.3	35
63	The rapid chemically induced corrosion of concrete sewers at high H ₂ S concentration. <i>Water Research</i> , 2019, 162, 95-104.	5.3	55
64	Removal of Pharmaceuticals and Illicit Drugs from Wastewater Due to Ferric Dosing in Sewers. <i>Environmental Science & Technology</i> , 2019, 53, 6245-6254.	4.6	27
65	Nanoscale zero valent iron supported on MgAl-LDH-decorated reduced graphene oxide: Enhanced performance in Cr(VI) removal, mechanism and regeneration. <i>Journal of Hazardous Materials</i> , 2019, 373, 176-186.	6.5	71
66	Sweating the assets – The role of instrumentation, control and automation in urban water systems. <i>Water Research</i> , 2019, 155, 381-402.	5.3	76
67	Experimental Investigation and Modeling of the Transformation of Illicit Drugs in a Pilot-Scale Sewer System. <i>Environmental Science & Technology</i> , 2019, 53, 4556-4565.	4.6	25
68	Periodic deprivation of gaseous hydrogen sulfide affects the activity of the concrete corrosion layer in sewers. <i>Water Research</i> , 2019, 157, 463-471.	5.3	12
69	Development of microbially influenced corrosion on carbon steel in a simulated water injection system. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1826-1836.	0.8	7
70	Evaluating the in-sewer stability of three potential population biomarkers for application in wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2019, 671, 248-253.	3.9	32
71	Corrosion of reinforcing steel in concrete sewers. <i>Science of the Total Environment</i> , 2019, 649, 739-748.	3.9	35
72	A National Wastewater Monitoring Program for a better understanding of public health: A case study using the Australian Census. <i>Environment International</i> , 2019, 122, 400-411.	4.8	59

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73	Real-time prediction of rain-impacted sewage flow for on-line control of chemical dosing in sewers. <i>Water Research</i> , 2019, 149, 311-321.	5.3	28
74	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.	3.8	47
75	MgAl layered double oxide: One powerful sweeper of emulsified water and acid for oil purification. <i>Journal of Hazardous Materials</i> , 2019, 367, 658-667.	6.5	28
76	Systematic evaluation of biomarker stability in pilot scale sewer pipes. <i>Water Research</i> , 2019, 151, 447-455.	5.3	43
77	Distinct microbially induced concrete corrosion at the tidal region of reinforced concrete sewers. <i>Water Research</i> , 2019, 150, 392-402.	5.3	43
78	Sodium Acetate Trihydrateâ€“Crystallization Inhibitor System for Seasonal Latent Heat Storage. <i>Journal of Energy Engineering - ASCE</i> , 2018, 144, .	1.0	5
79	Improved sulfide mitigation in sewers through on-line control of ferrous salt dosing. <i>Water Research</i> , 2018, 135, 302-310.	5.3	35
80	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Coreâ€“Shell Heterojunctions. <i>Environmental Science & Technology</i> , 2018, 52, 1479-1487.	4.6	192
81	Stability of Illicit Drugs as Biomarkers in Sewers: From Lab to Reality. <i>Environmental Science & Technology</i> , 2018, 52, 1561-1570.	4.6	50
82	Electrocatalytic hydrodechlorination of 2,4-dichlorophenol over palladium nanoparticles and its pH-mediated tug-of-war with hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018, 348, 26-34.	6.6	104
83	Stability of alcohol and tobacco consumption biomarkers in a real rising main sewer. <i>Water Research</i> , 2018, 138, 19-26.	5.3	64
84	Potential impact of the sewer system on the applicability of alcohol and tobacco biomarkers in wastewaterâ€“based epidemiology. <i>Drug Testing and Analysis</i> , 2018, 10, 530-538.	1.6	63
85	Sodium Cation-Mediated Crystallization of $\frac{1}{2}$ -Hemihydrate Whiskers from Gypsum in Ethylene Glycolâ€“Water Solutions. <i>Crystal Growth and Design</i> , 2018, 18, 6694-6701.	1.4	16
86	The Spatially Oriented Charge Flow and Photocatalysis Mechanism on Internal van der Waals Heterostructures Enhanced $g-C_3N_4$. <i>ACS Catalysis</i> , 2018, 8, 8376-8385.	5.5	219
87	Population histamine burden assessed using wastewater-based epidemiology: The association of 1,4â€“methylimidazole acetic acid and fexofenadine. <i>Environment International</i> , 2018, 120, 172-180.	4.8	38
88	Tailoring the rate-determining step in photocatalysis via localized excess electrons for efficient and safe air cleaning. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 187-195.	10.8	145
89	Impact of in-Sewer Degradation of Pharmaceutical and Personal Care Products (PPCPs) Population Markers on a Population Model. <i>Environmental Science & Technology</i> , 2017, 51, 3816-3823.	4.6	96
90	In situ DRIFT investigation on the photocatalytic NO oxidation mechanism with thermally exfoliated porous $g-C_3N_4$ nanosheets. <i>RSC Advances</i> , 2017, 7, 19280-19287.	1.7	23

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91	Identification of Active Hydrogen Species on Palladium Nanoparticles for an Enhanced Electrochemical Hydrodechlorination of 2,4-Dichlorophenol in Water. <i>Environmental Science & Technology</i> , 2017, 51, 7599-7605.	4.6	249
92	Comparison of microbial communities across sections of a corroding sewer pipe and the effects of wastewater flooding. <i>Biofouling</i> , 2017, 33, 780-792.	0.8	24
93	Odor emissions from domestic wastewater: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1581-1611.	6.6	83
94	Calcium Sulfate Hemihydrate Nanowires: One Robust Material in Separation of Water from Water-in-Oil Emulsion. <i>Environmental Science & Technology</i> , 2017, 51, 10519-10525.	4.6	37
95	Effects of chloride ions on corrosion of ductile iron and carbon steel in soil environments. <i>Scientific Reports</i> , 2017, 7, 6865.	1.6	98
96	Highly Efficient Performance and Conversion Pathway of Photocatalytic NO Oxidation on SrO-Clusters@Amorphous Carbon Nitride. <i>Environmental Science & Technology</i> , 2017, 51, 10682-10690.	4.6	203
97	Evaluation of in-sewer transformation of selected illicit drugs and pharmaceutical biomarkers. <i>Science of the Total Environment</i> , 2017, 609, 1172-1181.	3.9	60
98	Zero-valent iron nanoparticles embedded into reduced graphene oxide-alginate beads for efficient chromium (VI) removal. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 633-643.	5.0	83
99	Prediction of concrete corrosion in sewers with hybrid Gaussian processes regression model. <i>RSC Advances</i> , 2017, 7, 30894-30903.	1.7	34
100	The Ecology of Acidophilic Microorganisms in the Corroding Concrete Sewer Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 683.	1.5	78
101	Immobilizing Water into Crystal Lattice of Calcium Sulfate for its Separation from Water-in-Oil Emulsion. <i>Environmental Science & Technology</i> , 2016, 50, 7650-7657.	4.6	45
102	Controlled synthesis of Au@Fe heterodimer nanoparticles and their conversion into Au@Fe ₃ O ₄ heterostructured nanoparticles. <i>Nanoscale</i> , 2016, 8, 17947-17952.	2.8	44
103	Wastewater-Enhanced Microbial Corrosion of Concrete Sewers. <i>Environmental Science & Technology</i> , 2016, 50, 8084-8092.	4.6	85
104	Online Control of Magnesium Hydroxide Dosing for Sulfide Mitigation in Sewers: Algorithm Development, Simulation Analysis, and Field Validation. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	14
105	Formation of mesoporous calcium sulfate microspheres through phase conversion in controlled calcination. <i>RSC Advances</i> , 2016, 6, 79578-79583.	1.7	5
106	Predicting concrete corrosion of sewers using artificial neural network. <i>Water Research</i> , 2016, 92, 52-60.	5.3	106
107	Effects of surface washing on the mitigation of concrete corrosion under sewer conditions. <i>Cement and Concrete Composites</i> , 2016, 68, 88-95.	4.6	30
108	Biofilm Development in Sewer Networks. , 2016, , 145-164.		2

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109	Role of indigenous iron in improving sludge dewaterability through peroxidation. <i>Scientific Reports</i> , 2015, 5, 7516.	1.6	8
110	Identification of controlling factors for the initiation of corrosion of fresh concrete sewers. <i>Water Research</i> , 2015, 80, 30-40.	5.3	78
111	Role of extracellular polymeric substances in improvement of sludge dewaterability through peroxidation. <i>Bioresource Technology</i> , 2015, 192, 817-820.	4.8	65
112	Enhancing methane production from waste activated sludge using a novel indigenous iron activated peroxidation pre-treatment process. <i>Bioresource Technology</i> , 2015, 182, 267-271.	4.8	21
113	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.	5.3	28
114	A novel conditioning process for enhancing dewaterability of waste activated sludge by combination of zero-valent iron and persulfate. <i>Bioresource Technology</i> , 2015, 185, 416-420.	4.8	114
115	Corrosion and odor management in sewer systems. <i>Current Opinion in Biotechnology</i> , 2015, 33, 192-197.	3.3	119
116	A facile method to control the structure and morphology of β -calcium sulfate hemihydrate. <i>CrystEngComm</i> , 2015, 17, 8549-8554.	1.3	24
117	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.	5.3	51
118	Inactivation kinetics of anaerobic wastewater biofilms by free nitrous acid. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1367-1376.	1.7	13
119	Side-stream sludge treatment using free nitrous acid selectively eliminates nitrite oxidizing bacteria and achieves the nitrite pathway. <i>Water Research</i> , 2014, 55, 245-255.	5.3	205
120	The role of iron in sulfide induced corrosion of sewer concrete. <i>Water Research</i> , 2014, 49, 166-174.	5.3	92
121	A review on sludge conditioning by sludge pre-treatment with a focus on advanced oxidation. <i>RSC Advances</i> , 2014, 4, 50644-50652.	1.7	83
122	Enhancing methane production from waste activated sludge using combined free nitrous acid and heat pre-treatment. <i>Water Research</i> , 2014, 63, 71-80.	5.3	139
123	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.	5.3	122
124	Improving dewaterability of waste activated sludge by combined conditioning with zero-valent iron and hydrogen peroxide. <i>Bioresource Technology</i> , 2014, 174, 103-107.	4.8	44
125	Heterotrophic denitrification plays an important role in N ₂ O production from nitrification reactors treating anaerobic sludge digestion liquor. <i>Water Research</i> , 2014, 62, 202-210.	5.3	62
126	Assessment of pH shock as a method for controlling sulfide and methane formation in pressure main sewer systems. <i>Water Research</i> , 2014, 48, 569-578.	5.3	74

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127	Degradability of creatinine under sewer conditions affects its potential to be used as biomarker in sewage epidemiology. <i>Water Research</i> , 2014, 55, 272-279.	5.3	42
128	Effects of sewer conditions on the degradation of selected illicit drug residues in wastewater. <i>Water Research</i> , 2014, 48, 538-547.	5.3	115
129	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.	5.3	32
130	Dosing free nitrous acid for sulfide control in sewers: Results of field trials in Australia. <i>Water Research</i> , 2013, 47, 4331-4339.	5.3	92
131	Free Nitrous Acid (FNA)-Based Pretreatment Enhances Methane Production from Waste Activated Sludge. <i>Environmental Science & Technology</i> , 2013, 47, 11897-11904.	4.6	234
132	A free nitrous acid (FNA)-based technology for reducing sludge production. <i>Water Research</i> , 2013, 47, 3663-3672.	5.3	74
133	Effects of nitrate dosing on methanogenic activity in a sulfide-producing sewer biofilm reactor. <i>Water Research</i> , 2013, 47, 1783-1792.	5.3	77
134	Synergistic inactivation of anaerobic wastewater biofilm by free nitrous acid and hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 91-98.	6.5	58
135	Biosorption of Cu(II) by powdered anaerobic granular sludge from aqueous medium. <i>Water Science and Technology</i> , 2013, 68, 91-98.	1.2	2
136	The strong biocidal effect of free nitrous acid on anaerobic sewer biofilms. <i>Water Research</i> , 2011, 45, 3735-3743.	5.3	169
137	Optimization of intermittent, simultaneous dosage of nitrite and hydrochloric acid to control sulfide and methane productions in sewers. <i>Water Research</i> , 2011, 45, 6163-6172.	5.3	72
138	Microbial desulfurization for NR ground rubber by <i>Thiobacillus ferrooxidans</i> . <i>Journal of Applied Polymer Science</i> , 2010, 116, NA-NA.	1.3	13
139	Effects of nitrite concentration and exposure time on sulfide and methane production in sewer systems. <i>Water Research</i> , 2010, 44, 4241-4251.	5.3	99
140	Sulfur transformation in rising main sewers receiving nitrate dosage. <i>Water Research</i> , 2009, 43, 4430-4440.	5.3	155
141	Transport of <i>Escherichia coli</i> through variably saturated sand columns and modeling approaches. <i>Journal of Contaminant Hydrology</i> , 2007, 93, 2-20.	1.6	44
142	Effects of Soil Matric Suction on Retention and Percolation of <i>Bacillus Subtilis</i> in Intact Soil Cores. <i>Water, Air, and Soil Pollution</i> , 2006, 177, 211-226.	1.1	13
143	Transport and deposition of <i>Bacillus subtilis</i> through an intact soil column. <i>Soil Research</i> , 2005, 43, 695.	0.6	31
144	Test of flow field on the annular meridian plane in a tubular membrane separator with rotary tangential flow. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1019-1024.	1.6	1

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145	Enhancement of DHA production from <i>Aurantiochytrium</i> sp. by atmospheric and room temperature plasma mutagenesis aided with microbial microdroplet culture screening. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	6