

Wei-min Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/116785/publications.pdf>

Version: 2024-02-01

144
papers

12,143
citations

20817

60
h-index

27406

106
g-index

149
all docs

149
docs citations

149
times ranked

10014
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Polyethylene Biodegradation by Bacterial Strains from the Guts of Plastic-Eating Waxworms. <i>Environmental Science & Technology</i> , 2014, 48, 13776-13784.	10.0	646
2	GeoChip: a comprehensive microarray for investigating biogeochemical, ecological and environmental processes. <i>ISME Journal</i> , 2007, 1, 67-77.	9.8	554
3	Biodegradation and Mineralization of Polystyrene by Plastic-Eating Mealworms: Part 2. Role of Gut Microorganisms. <i>Environmental Science & Technology</i> , 2015, 49, 12087-12093.	10.0	426
4	Biodegradation and Mineralization of Polystyrene by Plastic-Eating Mealworms: Part 1. Chemical and Physical Characterization and Isotopic Tests. <i>Environmental Science & Technology</i> , 2015, 49, 12080-12086.	10.0	405
5	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. <i>Journal of Hazardous Materials</i> , 2021, 401, 123415.	12.4	325
6	Microplastics in a municipal wastewater treatment plant: Fate, dynamic distribution, removal efficiencies, and control strategies. <i>Journal of Cleaner Production</i> , 2019, 225, 579-586.	9.3	322
7	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of <i>Tenebrio</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tff 50</i> 6526-6533.	10.0	316
8	Microplastics undergo accelerated vertical migration in sand soil due to small size and wet-dry cycles. <i>Environmental Pollution</i> , 2019, 249, 527-534.	7.5	287
9	Integrated hydrogen production process from cellulose by combining dark fermentation, microbial fuel cells, and a microbial electrolysis cell. <i>Bioresource Technology</i> , 2011, 102, 4137-4143.	9.6	263
10	Pilot-Scale in Situ Bioremediation of Uranium in a Highly Contaminated Aquifer. 2. Reduction of U(VI) and Geochemical Control of U(VI) Bioavailability. <i>Environmental Science & Technology</i> , 2006, 40, 3986-3995.	10.0	242
11	Aerobic granular sludge: characterization, mechanism of granulation and application to wastewater treatment. <i>Critical Reviews in Biotechnology</i> , 2011, 31, 137-152.	9.0	241
12	Accelerated Reduction of Chlorinated Nitroaromatic Antibiotic Chloramphenicol by Biocathode. <i>Environmental Science & Technology</i> , 2013, 47, 5353-5361.	10.0	230
13	Biodegradation of Polystyrene by Dark (<i>Tenebrio obscurus</i>) and Yellow (<i>Tenebrio</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tff 50</i> 53, 5256-5265.	10.0	201
14	Removal of copper from aqueous solution by electrodeposition in cathode chamber of microbial fuel cell. <i>Journal of Hazardous Materials</i> , 2011, 189, 186-192.	12.4	200
15	In Situ Bioreduction of Uranium (VI) to Submicromolar Levels and Reoxidation by Dissolved Oxygen. <i>Environmental Science & Technology</i> , 2007, 41, 5716-5723.	10.0	182
16	Microplastics pollution and reduction strategies. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	180
17	A critical review of the application of white rot fungus to environmental pollution control. <i>Critical Reviews in Biotechnology</i> , 2010, 30, 70-77.	9.0	179
18	Characterization of tetracycline resistant bacterial community in saline activated sludge using batch stress incubation with high-throughput sequencing analysis. <i>Water Research</i> , 2013, 47, 4207-4216.	11.3	175

#	ARTICLE	IF	CITATIONS
19	Membrane fouling in an anaerobic membrane bioreactor: Differences in relative abundance of bacterial species in the membrane foulant layer and in suspension. <i>Journal of Membrane Science</i> , 2010, 364, 331-338.	8.2	170
20	Biodegradation of polystyrene wastes in yellow mealworms (larvae of <i>Tenebrio molitor</i> Linnaeus): Factors affecting biodegradation rates and the ability of polystyrene-fed larvae to complete their life cycle. <i>Chemosphere</i> , 2018, 191, 979-989.	8.2	168
21	Pilot-Scale in Situ Bioremediation of Uranium in a Highly Contaminated Aquifer. 1. Conditioning of a Treatment Zone. <i>Environmental Science & Technology</i> , 2006, 40, 3978-3985.	10.0	160
22	Microbial Communities in Contaminated Sediments, Associated with Bioremediation of Uranium to Submicromolar Levels. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3718-3729.	3.1	154
23	Bioreduction of Uranium in a Contaminated Soil Column. <i>Environmental Science & Technology</i> , 2005, 39, 4841-4847.	10.0	133
24	Ubiquity of polystyrene digestion and biodegradation within yellow mealworms, larvae of <i>Tenebrio molitor</i> Linnaeus (Coleoptera: Tenebrionidae). <i>Chemosphere</i> , 2018, 212, 262-271.	8.2	130
25	Biodegradation of Polyvinyl Chloride (PVC) in <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae) larvae. <i>Environment International</i> , 2020, 145, 106106.	10.0	129
26	Biodegradation and disintegration of expanded polystyrene by land snails <i>Achatina fulica</i> . <i>Science of the Total Environment</i> , 2020, 746, 141289.	8.0	122
27	Enrichment of anodic biofilm inoculated with anaerobic or aerobic sludge in single chambered air-cathode microbial fuel cells. <i>Bioresource Technology</i> , 2014, 167, 124-132.	9.6	120
28	Recovery of silver from silver(I)-containing solutions in bioelectrochemical reactors. <i>Bioresource Technology</i> , 2012, 111, 92-97.	9.6	116
29	Metagenomic analysis reveals significant changes of microbial compositions and protective functions during drinking water treatment. <i>Scientific Reports</i> , 2013, 3, 3550.	3.3	116
30	Impact of reactor configuration on anammox process start-up: MBR versus SBR. <i>Bioresource Technology</i> , 2012, 104, 73-80.	9.6	111
31	A Limited Microbial Consortium Is Responsible for Extended Bioreduction of Uranium in a Contaminated Aquifer. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5955-5965.	3.1	108
32	Speciation of Uranium in Sediments before and after In situ Biostimulation. <i>Environmental Science & Technology</i> , 2008, 42, 1558-1564.	10.0	107
33	Biodegradation of polypropylene by yellow mealworms (<i>Tenebrio molitor</i>) and superworms (<i>Zophobas</i>) Tj ETQq1 1 0.784314 rgBT /Over 144087.	8.0	107
34	Removal of heavy metals from fly ash leachate using combined bioelectrochemical systems and electrolysis. <i>Journal of Hazardous Materials</i> , 2014, 264, 1-7.	12.4	104
35	Biodegradation of expanded polystyrene and low-density polyethylene foams in larvae of <i>Tenebrio molitor</i> Linnaeus (Coleoptera: Tenebrionidae): Broad versus limited extent depolymerization and microbe-dependence versus independence. <i>Chemosphere</i> , 2021, 262, 127818.	8.2	103
36	Significant Association between Sulfate-Reducing Bacteria and Uranium-Reducing Microbial Communities as Revealed by a Combined Massively Parallel Sequencing-Indicator Species Approach. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6778-6786.	3.1	102

#	ARTICLE	IF	CITATIONS
37	Effects of Nitrate on the Stability of Uranium in a Bioreduced Region of the Subsurface. <i>Environmental Science & Technology</i> , 2010, 44, 5104-5111.	10.0	100
38	Responses of microbial community functional structures to pilot-scale uranium <i>in situ</i> bioremediation. <i>ISME Journal</i> , 2010, 4, 1060-1070.	9.8	98
39	Biodegradation of low-density polyethylene and polystyrene in superworms, larvae of <i>Zophobas atratus</i> (Coleoptera: Tenebrionidae): Broad and limited extent depolymerization. <i>Environmental Pollution</i> , 2020, 266, 115206.	7.5	98
40	GeoChip-based analysis of functional microbial communities during the reoxidation of a bioreduced uranium-contaminated aquifer. <i>Environmental Microbiology</i> , 2009, 11, 2611-2626.	3.8	95
41	Bacterial community succession during <i>in situ</i> uranium bioremediation: spatial similarities along controlled flow paths. <i>ISME Journal</i> , 2009, 3, 47-64.	9.8	90
42	Cultivation of anaerobic granular sludge in UASB reactors with aerobic activated sludge as seed. <i>Water Research</i> , 1987, 21, 789-799.	11.3	89
43	Comparison of four enhancement strategies for aerobic granulation in sequencing batch reactors. <i>Journal of Hazardous Materials</i> , 2011, 186, 320-327.	12.4	88
44	A membrane-free baffled microbial fuel cell for cathodic reduction of Cu(II) with electricity generation. <i>Bioresource Technology</i> , 2011, 102, 4774-4778.	9.6	87
45	In Situ Bioremediation of Uranium with Emulsified Vegetable Oil as the Electron Donor. <i>Environmental Science & Technology</i> , 2013, 47, 6440-6448.	10.0	81
46	Integrated anaerobic fluidized-bed membrane bioreactor for domestic wastewater treatment. <i>Chemical Engineering Journal</i> , 2014, 240, 362-368.	12.7	81
47	Enhanced decolorization of azo dye in a small pilot-scale anaerobic baffled reactor coupled with biocatalyzed electrolysis system (AB-BES): A design suitable for scaling-up. <i>Bioresource Technology</i> , 2014, 163, 254-261.	9.6	81
48	Methanogenesis Facilitated by Geobiochemical Iron Cycle in a Novel Syntrophic Methanogenic Microbial Community. <i>Environmental Science & Technology</i> , 2013, 47, 10078-10084.	10.0	78
49	Generation of high-efficient biochar for dye adsorption using frass of yellow mealworms (larvae of) <i>Tj ETQq1</i> . <i>Overlooked Production</i> , 2019, 227, 33-47.	9.3	78
50	Microbial composition and characterization of prevalent methanogens and acetogens isolated from syntrophic methanogenic granules. <i>Applied Microbiology and Biotechnology</i> , 1992, 38, 282-290.	3.6	76
51	Stimulation of oxygen to bioanode for energy recovery from recalcitrant organic matter aniline in microbial fuel cells (MFCs). <i>Water Research</i> , 2015, 81, 72-83.	11.3	76
52	Enhanced Bioavailability and Microbial Biodegradation of Polystyrene in an Enrichment Derived from the Gut Microbiome of <i>Tenebrio molitor</i> (Mealworm Larvae). <i>Environmental Science & Technology</i> , 2021, 55, 2027-2036.	10.0	76
53	Selection of functional consortium for crude oil-contaminated soil remediation. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1244-1248.	3.9	74
54	Biodegradation and kinetic analysis of phthalates by an <i>Arthrobacter</i> strain isolated from constructed wetland soil. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4683-4690.	3.6	74

#	ARTICLE	IF	CITATIONS
55	Bioelectrochemical recovery of ammonia-copper(II) complexes from wastewater using a dual chamber microbial fuel cell. <i>Chemosphere</i> , 2012, 89, 1177-1182.	8.2	73
56	Enhanced methane production from Taihu Lake blue algae by anaerobic co-digestion with corn straw in continuous feed digesters. <i>Bioresource Technology</i> , 2013, 134, 264-270.	9.6	72
57	Reduction of Uranium(VI) by Soluble Iron(II) Conforms with Thermodynamic Predictions. <i>Environmental Science & Technology</i> , 2011, 45, 4718-4725.	10.0	70
58	A rapid selection strategy for an anodophilic consortium for microbial fuel cells. <i>Bioresource Technology</i> , 2010, 101, 5733-5735.	9.6	66
59	Biofuel production from microalgae as feedstock: current status and potential. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 255-268.	9.0	66
60	Sediment microbial fuel cell with floating biocathode for organic removal and energy recovery. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 569-574.	6.0	64
61	A novel clean production approach to utilize crop waste residues as co-diet for mealworm (<i>Tenebrio</i>) Tj ETQq1 1 0.784314 rgBT /Over Pollution, 2019, 252, 1142-1153.	7.5	61
62	Selection of Type I and Type II methanotrophic proteobacteria in a fluidized bed reactor under non-sterile conditions. <i>Bioresource Technology</i> , 2011, 102, 9919-9926.	9.6	60
63	Copper reduction in a pilot-scale membrane-free bioelectrochemical reactor. <i>Bioresource Technology</i> , 2011, 102, 10334-10339.	9.6	58
64	Biodegradation of polylactic acid by yellow mealworms (larvae of <i>Tenebrio molitor</i>) via resource recovery: A sustainable approach for waste management. <i>Journal of Hazardous Materials</i> , 2021, 416, 125803.	12.4	57
65	Ultrasonic Treatment Enhanced Ammonia-Oxidizing Bacterial (AOB) Activity for Nitrification Process. <i>Environmental Science & Technology</i> , 2016, 50, 864-871.	10.0	56
66	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. <i>Journal of Hazardous Materials</i> , 2021, 419, 126413.	12.4	55
67	Modeling in-situ uranium(VI) bioreduction by sulfate-reducing bacteria. <i>Journal of Contaminant Hydrology</i> , 2007, 92, 129-148.	3.3	54
68	Influence of bicarbonate, sulfate, and electron donors on biological reduction of uranium and microbial community composition. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 713-721.	3.6	54
69	Molecular diversity and distribution of anammox community in sediments of the Dongjiang River, a drinking water source of Hong Kong. <i>Journal of Applied Microbiology</i> , 2014, 116, 464-476.	3.1	54
70	Response of the yellow mealworm (<i>Tenebrio molitor</i>) gut microbiome to diet shifts during polystyrene and polyethylene biodegradation. <i>Journal of Hazardous Materials</i> , 2021, 416, 126222.	12.4	54
71	Anaerobic dechlorination and mineralization of pentachlorophenol and 2,4,6-trichlorophenol by methanogenic pentachlorophenol-degrading granules. <i>Applied Microbiology and Biotechnology</i> , 1996, 44, 801-806.	3.6	53
72	Detection and Quantification of <i>Geobacter lovleyi</i> Strain SZ: Implications for Bioremediation at Tetrachloroethene- and Uranium-Impacted Sites. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6898-6904.	3.1	52

#	ARTICLE	IF	CITATIONS
73	Kinetic Model for Biological Nitrogen Removal Using Shortcut Nitrification-Denitrification Process in Sequencing Batch Reactor. <i>Environmental Science & Technology</i> , 2010, 44, 5015-5021.	10.0	52
74	A membrane-free, continuously feeding, single chamber up-flow biocatalyzed electrolysis reactor for nitrobenzene reduction. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 401-409.	12.4	52
75	A Nested-Cell Approach for In Situ Remediation. <i>Ground Water</i> , 2006, 44, 266-274.	1.3	51
76	Dynamics of Microbial Community Composition and Function during In Situ Bioremediation of a Uranium-Contaminated Aquifer. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3860-3869.	3.1	51
77	Complete genome sequence of <i>Bacillus</i> sp. YP1, a polyethylene-degrading bacterium from waxworm's gut. <i>Journal of Biotechnology</i> , 2015, 200, 77-78.	3.8	51
78	Ecoengineering high rate anaerobic digestion systems: Analysis of improved syntrophic biomethanation catalysts. <i>Biotechnology and Bioengineering</i> , 1990, 35, 990-999.	3.3	49
79	Prevalence of microplastics in animal-based traditional medicinal materials: Widespread pollution in terrestrial environments. <i>Science of the Total Environment</i> , 2020, 709, 136214.	8.0	49
80	Energetics and regulations of formate and hydrogen metabolism by <i>Methanobacterium formicicum</i> . <i>Archives of Microbiology</i> , 1993, 159, 57-65.	2.2	47
81	Electron Acceptor-Dependent Respiratory and Physiological Stratifications in Biofilms. <i>Environmental Science & Technology</i> , 2015, 49, 196-202.	10.0	47
82	A high-efficiency denitrification bioreactor for the treatment of acrylonitrile wastewater using waterborne polyurethane immobilized activated sludge. <i>Bioresource Technology</i> , 2017, 239, 472-481.	9.6	45
83	Pollution control and in situ bioremediation for lake aquaculture using an ecological dam. <i>Journal of Cleaner Production</i> , 2018, 172, 2256-2265.	9.3	45
84	Changes in bacterial community structure correlate with initial operating conditions of a field-scale denitrifying fluidized bed reactor. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 748-760.	3.6	44
85	Uranium Transformations in Static Microcosms. <i>Environmental Science & Technology</i> , 2010, 44, 236-242.	10.0	44
86	Supplementing resuscitation-promoting factor (Rpf) enhanced biodegradation of polychlorinated biphenyls (PCBs) by <i>Rhodococcus biphenylivorans</i> strain TG9T. <i>Environmental Pollution</i> , 2020, 263, 114488.	7.5	44
87	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. <i>Environmental Science & Technology</i> , 2021, 55, 6012-6021.	10.0	44
88	Physiological and electrochemical effects of different electron acceptors on bacterial anode respiration in bioelectrochemical systems. <i>Bioresource Technology</i> , 2014, 164, 270-275.	9.6	40
89	Anaerobic Degradation of Normal- and Branched-Chain Fatty Acids with Four or More Carbons to Methane by a Syntrophic Methanogenic Triculture. <i>Applied and Environmental Microbiology</i> , 1994, 60, 2220-2226.	3.1	40
90	Confirmation of biodegradation of low-density polyethylene in dark- versus yellow- mealworms (larvae of <i>Tenebrio obscurus</i> versus <i>Tenebrio molitor</i>) via. gut microbe-independent depolymerization. <i>Science of the Total Environment</i> , 2021, 789, 147915.	8.0	39

#	ARTICLE	IF	CITATIONS
91	Anaerobic dechlorination of trichloroethylene (TCE) to ethylene using complex organic materials. <i>Water Research</i> , 1998, 32, 1445-1454.	11.3	38
92	Characterization of biodegradation of plastics in insect larvae. <i>Methods in Enzymology</i> , 2021, 648, 95-120.	1.0	38
93	Improving of lipid productivity of the biodiesel promising green microalga <i>Chlorella pyrenoidosa</i> via low-energy ion implantation. <i>Journal of Applied Phycology</i> , 2016, 28, 2159-2166.	2.8	37
94	Bacterial Community Shift and Coexisting/Coexcluding Patterns Revealed by Network Analysis in a Uranium-Contaminated Site after Bioreduction Followed by Reoxidation. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	37
95	Performance of a pilot-scale aquaponics system using hydroponics and immobilized biofilm treatment for water quality control. <i>Journal of Cleaner Production</i> , 2019, 208, 274-284.	9.3	37
96	Mass-Transfer Limitations for Nitrate Removal in a Uranium-Contaminated Aquifer. <i>Environmental Science & Technology</i> , 2005, 39, 8453-8459.	10.0	36
97	Dechlorination of polychlorinated biphenyl congeners by an anaerobic microbial consortium. <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 673-677.	3.6	34
98	Synergistic effect using vermiculite as media with a bacterial biofilm of <i>Arthrobacter</i> sp. for biodegradation of di-(2-ethylhexyl) phthalate. <i>Journal of Hazardous Materials</i> , 2016, 304, 118-125.	12.4	33
99	Impacts of physical-chemical property of polyethylene on depolymerization and biodegradation in yellow and dark mealworms with high purity microplastics. <i>Science of the Total Environment</i> , 2022, 828, 154458.	8.0	32
100	U(VI) Bioreduction with Emulsified Vegetable Oil as the Electron Donor – Model Application to a Field Test. <i>Environmental Science & Technology</i> , 2013, 47, 3218-3225.	10.0	31
101	Biodegradation of polystyrene and low-density polyethylene by <i>Zophobas atratus</i> larvae: Fragmentation into microplastics, gut microbiota shift, and microbial functional enzymes. <i>Journal of Cleaner Production</i> , 2022, 367, 132987.	9.3	31
102	A parametric transfer function methodology for analyzing reactive transport in nonuniform flow. <i>Journal of Contaminant Hydrology</i> , 2006, 83, 27-41.	3.3	30
103	Construction and evaluation of an exopolysaccharide-producing engineered bacterial strain by protoplast fusion for microbial enhanced oil recovery. <i>Bioresource Technology</i> , 2013, 144, 44-49.	9.6	30
104	Analysis of bacterial diversity in two oil blocks from two low-permeability reservoirs with high salinities. <i>Scientific Reports</i> , 2016, 6, 19600.	3.3	29
105	Metabolic properties and kinetics of methanogenic granules. <i>Applied Microbiology and Biotechnology</i> , 1993, 39, 804-811.	3.6	28
106	Hydraulic performance analysis of a multiple injection – extraction well system. <i>Journal of Hydrology</i> , 2007, 336, 294-302.	5.4	28
107	Comparison of biological removal via nitrite with real-time control using aerobic granular sludge and flocculent activated sludge. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1645-1652.	3.6	27
108	Fate of Hexabromocyclododecane (HBCD), A Common Flame Retardant, In Polystyrene-Degrading Mealworms: Elevated HBCD Levels in Egested Polymer but No Bioaccumulation. <i>Environmental Science & Technology</i> , 2020, 54, 364-371.	10.0	27

#	ARTICLE	IF	CITATIONS
109	U(VI) Bioreduction with Emulsified Vegetable Oil as the Electron Donor – Microcosm Tests and Model Development. <i>Environmental Science & Technology</i> , 2013, 47, 3209-3217.	10.0	26
110	Formation of nitrous oxide in a gradient of oxygenation and nitrogen loading rate during denitrification of nitrite and nitrate. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 453-460.	12.4	24
111	Dynamic Succession of Groundwater Functional Microbial Communities in Response to Emulsified Vegetable Oil Amendment during Sustained <i>In Situ</i> U(VI) Reduction. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4164-4172.	3.1	24
112	Dechlorination of spiked PCBs in lake sediment by anaerobic microbial granules. <i>Water Research</i> , 1998, 32, 3013-3020.	11.3	23
113	Perturbation of syntrophic isobutyrate and butyrate degradation with formate and hydrogen. , 2000, 52, 404-411.		23
114	Uranium (VI) Reduction by Denitrifying Biomass. <i>Bioremediation Journal</i> , 2005, 9, 49-61.	2.0	23
115	Microbial communities biostimulated by ethanol during uranium (VI) bioremediation in contaminated sediment as shown by stable isotope probing. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 453-464.	6.0	22
116	Modified pretreatment method for total microbial DNA extraction from contaminated river sediment. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 444-452.	6.0	21
117	Recovery of nutrients from fish sludge in an aquaponic system using biological aerated filters with ceramsite plus lignocellulosic material media. <i>Journal of Cleaner Production</i> , 2020, 258, 120886.	9.3	21
118	Effect of storage on the performance of methanogenic granules. <i>Water Research</i> , 1995, 29, 1445-1452.	11.3	20
119	Optimisation of anaerobic/anoxic/oxic process to improve performance and reduce operating costs. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1391-1397.	3.2	19
120	Kinetic analysis and modeling of oleate and ethanol stimulated uranium (VI) bio-reduction in contaminated sediments under sulfate reduction conditions. <i>Journal of Hazardous Materials</i> , 2010, 183, 482-489.	12.4	19
121	Characterization of the enhancement of zero valent iron on microbial azo reduction. <i>BMC Microbiology</i> , 2015, 15, 85.	3.3	19
122	Comparison of rod- versus filament-type methanogenic granules: microbial population and reactor performance. <i>Applied Microbiology and Biotechnology</i> , 1993, 39, 795-803.	3.6	18
123	Progresses in Polystyrene Biodegradation and Prospects for Solutions to Plastic Waste Pollution. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 150, 012005.	0.3	17
124	Highly efficient Gab2 siRNA delivery to ovarian cancer cells mediated by chitosan-polyethyleneimine nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 273-281.	5.8	15
125	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement. <i>Water Research</i> , 2022, 218, 118468.	11.3	15
126	Long-term performance of co-metabolic degradation of trichloroethylene in a fluidized bed reactor fed with benzene, toluene and xylene. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 513-523.	3.2	13

#	ARTICLE	IF	CITATIONS
127	Degradation of biphenyl by methanogenic microbial consortium. <i>Biotechnology Letters</i> , 1999, 21, 741-745.	2.2	12
128	A field pilot-scale study of biological treatment of heavy oil-produced water by biological filter with airlift aeration and hydrolytic acidification system. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4919-4930.	5.3	12
129	Anaerobic dechlorination of perchloroethylene (PCE) in soil by a dechlorinating microbial consortium. <i>Journal of Bioscience and Bioengineering</i> , 1998, 86, 588-594.	0.9	10
130	Uranium sequestration in sediment at an iron-rich contaminated site at Oak Ridge, Tennessee via. bioreduction followed by reoxidation. <i>Journal of Environmental Sciences</i> , 2019, 85, 156-167.	6.1	10
131	Microbial community dynamics in an anaerobic biofilm reactor treating heavy oil refinery wastewater. <i>RSC Advances</i> , 2016, 6, 107442-107451.	3.6	9
132	Biodegradation of Plastics in <i>Tenebrio Genus</i> (Mealworms). <i>Handbook of Environmental Chemistry</i> , 2020, , 385-422.	0.4	9
133	Polycyclic Aromatic Hydrocarbon Accumulation in <i>Phragmites australis</i> Grown on Constructed Wetland for Sludge Stabilization. <i>Journal of Residuals Science and Technology</i> , 2015, 12, 215-220.	0.6	9
134	Surge block method for controlling well clogging and sampling sediment during bioremediation. <i>Water Research</i> , 2013, 47, 6566-6573.	11.3	8
135	Complex Mechanism of Phenol Extraction of Coal Gasification Wastewater. <i>Polish Journal of Environmental Studies</i> , 2019, 28, 1105-1113.	1.2	8
136	Estimating first-order reaction rate coefficient for transport with nonequilibrium linear mass transfer in heterogeneous media. <i>Journal of Contaminant Hydrology</i> , 2008, 98, 50-60.	3.3	6
137	Estimating Reaction Rate Coefficients Within a Travel-Time Modeling Framework. <i>Ground Water</i> , 2011, 49, 209-218.	1.3	6
138	Phosphorus Fractions and Phosphorus Adsorption Characteristics of Soils from the Water-Level Fluctuating Zone of Nansi Lake, China. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 865-872.	1.2	6
139	Enhancing nutrient recovery from fish sludge using a modified biological aerated filter with sponge media with extended filtration in aquaponics. <i>Journal of Cleaner Production</i> , 2021, 320, 128804.	9.3	5
140	Estimating kinetic mass transfer by resting-period measurements in flow-interruption tracer tests. <i>Journal of Contaminant Hydrology</i> , 2010, 117, 37-45.	3.3	4
141	Dynamics of Microbial Community Composition and Function during In Situ Bioremediation of a Uranium-Contaminated Aquifer. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5063-5063.	3.1	4
142	Sustainable nitrification in fluidised bed reactor with immobilised sludge pellets. <i>Water S A</i> , 2013, 39, .	0.4	4
143	High-Quality Draft Genome Sequence of <i>Desulfovibrio carbinolophilus</i> FW-101-2B, an Organic Acid-Oxidizing Sulfate-Reducing Bacterium Isolated from Uranium(VI)-Contaminated Groundwater. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
144	Micro-Scale Heterogeneity in Biogeochemical Uranium Cycling. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0