

Jie-Xu Ye

List of Publications by Year in descending order

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23
papers

713
citations

687363

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610901

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all docs

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24
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Current advances of VOCs degradation by bioelectrochemical systems: A review. <i>Chemical Engineering Journal</i> , 2018, 334, 2625-2637.	12.7	199
2	Gaseous toluene powered microbial fuel cell: Performance, microbial community, and electron transfer pathway. <i>Chemical Engineering Journal</i> , 2018, 351, 515-522.	12.7	83
3	Gaseous toluene, ethylbenzene, and xylene mixture removal in a microbial fuel cell: Performance, biofilm characteristics, and mechanisms. <i>Chemical Engineering Journal</i> , 2020, 386, 123916.	12.7	56
4	Improved biodegradation potential of chlorobenzene by a mixed fungal-bacterial consortium. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 276-285.	3.9	38
5	Enhancement of gaseous o-xylene degradation in a microbial fuel cell by adding <i>Shewanella oneidensis</i> MR-1. <i>Chemosphere</i> , 2020, 252, 126571.	8.2	37
6	Exogenous electron transfer mediator enhancing gaseous toluene degradation in a microbial fuel cell: Performance and electron transfer mechanism. <i>Chemosphere</i> , 2021, 282, 131028.	8.2	31
7	BTEX degradation by a newly isolated bacterium: Performance, kinetics, and mechanism. <i>International Biodeterioration and Biodegradation</i> , 2018, 129, 202-208.	3.9	30
8	Differences of cell surface characteristics between the bacterium <i>Pseudomonas veronii</i> and fungus <i>Ophiostoma stenoceras</i> and their different adsorption properties to hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2019, 650, 2095-2106.	8.0	28
9	A solid composite microbial inoculant for the simultaneous removal of volatile organic sulfide compounds: Preparation, characterization, and its bioaugmentation of a biotrickling filter. <i>Journal of Hazardous Materials</i> , 2018, 342, 589-596.	12.4	25
10	Enhancing Chlorobenzene Biodegradation by <i>Delftia tsuruhatensis</i> Using a Water-Silicone Oil Biphasic System. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1629.	2.6	24
11	Characterization of the novel dimethyl sulfide-degrading bacterium <i>Alcaligenes</i> sp. SY1 and its biochemical degradation pathway. <i>Journal of Hazardous Materials</i> , 2016, 304, 543-552.	12.4	23
12	Anodic-potential-tuned bioanode for efficient gaseous toluene removal in an MFC. <i>Electrochimica Acta</i> , 2021, 375, 137992.	5.2	23
13	Characterization and Genome Analysis of a Nicotine and Nicotinic Acid-Degrading Strain <i>Pseudomonas putida</i> JQ581 Isolated from Marine. <i>Marine Drugs</i> , 2017, 15, 156.	4.6	15
14	A newly isolated <i>Pseudomonas putida</i> S-1 strain for batch-mode-propanethiol degradation and continuous treatment of propanethiol-containing waste gas. <i>Journal of Hazardous Materials</i> , 2016, 302, 232-240.	12.4	13
15	Removal of gaseous dichloromethane using a solid-liquid partitioning bioreactor under gradual and stepped load increase. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 79-85.	3.9	12
16	HKUST-1-derived highly ordered Cu nanosheets with enriched edge sites, stepped (211) surfaces and (200) facets for effective electrochemical CO ₂ reduction. <i>Chemosphere</i> , 2021, 278, 130408.	8.2	12
17	Biodegradation Kinetics of Tetrahydrofuran, Benzene, Toluene, and Ethylbenzene as Multi-substrate by <i>Pseudomonas oleovorans</i> DT4. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 371-384.	2.6	11
18	Superior performance and mechanism of chlorobenzene degradation by a novel bacterium. <i>RSC Advances</i> , 2019, 9, 15004-15012.	3.6	11

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19	Flavin mononucleotide-stimulated microbial fuel cell for efficient gaseous toluene abatement. <i>Chemosphere</i> , 2022, 287, 132247.	8.2	11
20	<i>Piscinibacter caeni</i> sp. nov., isolated from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2627-2632.	1.7	10
21	Redox mediator-regulated microbial electrolysis cell to boost coulombic efficiency and degradation activity during gaseous chlorobenzene abatement. <i>Journal of Power Sources</i> , 2022, 528, 231214.	7.8	8
22	Removal of gaseous tetrahydrofuran via a three-phase airlift bioreactor loaded with immobilized cells of GFP-tagged <i>Pseudomonas oleovorans</i> GDT4. <i>Chemosphere</i> , 2020, 258, 127148.	8.2	7
23	Interaction of tetrahydrofuran and methyl tert-butyl ether in waste gas treatment by a biotrickling filter bioaugmented with <i>Piscinibacter caeni</i> MQ-18 and <i>Pseudomonas oleovorans</i> DT4. <i>Chemosphere</i> , 2022, 286, 131552.	8.2	4