

Xu-wei Long

List of Publications by Year in descending order

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28
papers

856
citations

430754

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docs citations

28
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of rhamnolipid as a novel biodemulsifier for destabilizing waste crude oil. <i>Bioresource Technology</i> , 2013, 131, 1-5.	4.8	94
2	Biosurfactant surfactin with pH-regulated emulsification activity for efficient oil separation when used as emulsifier. <i>Bioresource Technology</i> , 2017, 241, 200-206.	4.8	86
3	Recent progress towards industrial rhamnolipids fermentation: Process optimization and foam control. <i>Bioresource Technology</i> , 2020, 298, 122394.	4.8	79
4	Multi-functional magnetic water purifier for disinfection and removal of dyes and metal ions with superior reusability. <i>Journal of Hazardous Materials</i> , 2018, 347, 160-167.	6.5	52
5	Application of biosurfactant surfactin as a pH-switchable biodemulsifier for efficient oil recovery from waste crude oil. <i>Chemosphere</i> , 2020, 240, 124946.	4.2	46
6	Rhamnolipids elicit the same cytotoxic sensitivity between cancer cell and normal cell by reducing surface tension of culture medium. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 10187-10196.	1.7	39
7	Foliar penetration enhanced by biosurfactant rhamnolipid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 548-554.	2.5	38
8	Toward high-efficiency production of biosurfactant rhamnolipids using sequential fed-batch fermentation based on a fill-and-draw strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 317-324.	2.5	38
9	Dewatering of floated oily sludge by treatment with rhamnolipid. <i>Water Research</i> , 2013, 47, 4303-4311.	5.3	33
10	A submerged membrane bioreactor with pendulum type oscillation (PTO) for oily wastewater treatment: Membrane permeability and fouling control. <i>Bioresource Technology</i> , 2015, 183, 33-41.	4.8	33
11	Rhamnolipids enhance epithelial permeability in Caco-2 monolayers. <i>International Journal of Pharmaceutics</i> , 2013, 446, 130-135.	2.6	31
12	Mechanism Study on the Severe Foaming of Rhamnolipid in Fermentation. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 833-840.	1.0	30
13	Application of biosurfactant rhamnolipid for cleaning of UF membranes. <i>Journal of Membrane Science</i> , 2014, 457, 113-119.	4.1	28
14	Two-step ultrafiltration of rhamnolipids using PSU-g-PEG membrane. <i>Journal of Membrane Science</i> , 2012, 409-410, 105-112.	4.1	27
15	Isolation and purification of biosurfactant mannoseylerythritol lipids from fermentation broth with methanol/water/n-hexane. <i>Separation and Purification Technology</i> , 2019, 219, 1-8.	3.9	26
16	Recent progress and trends in the analysis and identification of rhamnolipids. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8171-8186.	1.7	23
17	Enhanced rhamnolipids production via efficient foam-control using stop valve as a foam breaker. <i>Bioresource Technology</i> , 2017, 224, 536-543.	4.8	22
18	Efficient purification of sophorolipids via chemical modifications coupled with extractions and their potential applications as antibacterial agents. <i>Separation and Purification Technology</i> , 2020, 245, 116897.	3.9	22

#	ARTICLE	IF	CITATIONS
19	The Parkinson's disease-associated mutation N1437H impairs conformational dynamics in the G domain of LRRK2. <i>FASEB Journal</i> , 2019, 33, 4814-4823.	0.2	18
20	High-performance Production of Biosurfactant Rhamnolipid with Nitrogen Feeding. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 395-402.	1.0	17
21	Biotreatment of oily wastewater by rhamnolipids in aerated active sludge system. <i>Journal of Zhejiang University: Science B</i> , 2009, 10, 852-859.	1.3	14
22	Enhanced surfactin fermentation via advanced repeated fed-batch fermentation with increased cell density stimulated by EDTA-Fe (II). <i>Food and Bioproducts Processing</i> , 2021, 127, 288-294.	1.8	12
23	Efficient Preparation of Sophorolipids and Functionalization with Amino Acids to Furnish Potent Preservatives. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9608-9615.	2.4	12
24	Extremely high-performance production of rhamnolipids by advanced sequential fed-batch fermentation with high cell density. <i>Journal of Cleaner Production</i> , 2021, 326, 129382.	4.6	12
25	Biomass rhamnolipid modified poly(vinylidene fluoride) membrane with significantly improved surface hydrophilicity and enhanced antifouling performance. <i>Chemical Engineering Science</i> , 2020, 212, 115330.	1.9	11
26	Extraction Separation of Rhamnolipids by n-Hexane via Forming Reverse Micelles. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 883.	1.0	5
27	Cells with Higher Cortical Membrane Tension Are More Sensitive to Lysis by Biosurfactant Di-rhamnolipids. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 352-357.	2.6	4
28	Electrochemiluminescent Ion-Channeling Framework for Membrane Binding and Transmembrane Activity Assays. <i>Analytical Chemistry</i> , 2022, 94, 2154-2162.	3.2	4