

Guansheng Liu

List of Publications by Year in descending order

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15
papers

782
citations

758635

12
h-index

996533

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all docs

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docs citations

15
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in applications of rhamnolipids biosurfactant in environmental remediation: A review. <i>Biotechnology and Bioengineering</i> , 2018, 115, 796-814.	1.7	148
2	Effects of rhamnolipids on microorganism characteristics and applications in composting: A review. <i>Microbiological Research</i> , 2017, 200, 33-44.	2.5	133
3	Effect of rhamnolipid solubilization on hexadecane bioavailability: enhancement or reduction?. <i>Journal of Hazardous Materials</i> , 2017, 322, 394-401.	6.5	117
4	Transport of bacteria in porous media and its enhancement by surfactants for bioaugmentation: A review. <i>Biotechnology Advances</i> , 2017, 35, 490-504.	6.0	77
5	Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018, 634, 1-11.	3.9	75
6	Surfactant-enhanced aquifer remediation: Mechanisms, influences, limitations and the countermeasures. <i>Chemosphere</i> , 2020, 252, 126620.	4.2	58
7	Production, functional stability, and effect of rhamnolipid biosurfactant from <i>Klebsiella</i> sp. on phenanthrene degradation in various medium systems. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111514.	2.9	51
8	Transport of engineered nanoparticles in porous media and its enhancement for remediation of contaminated groundwater. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 2301-2378.	6.6	30
9	Effect of low-concentration rhamnolipid on transport of <i>Pseudomonas aeruginosa</i> ATCC 9027 in an ideal porous medium with hydrophilic or hydrophobic surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 244-248.	2.5	26
10	Effect of low-concentration rhamnolipid biosurfactant on <i>Pseudomonas aeruginosa</i> transport in natural porous media. <i>Water Resources Research</i> , 2017, 53, 361-375.	1.7	25
11	Investigation on the reaction of phenolic pollutions to mono-rhamnolipid micelles using MEUF. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1230-1240.	2.7	17
12	Transport of <i>Pseudomonas aeruginosa</i> in Porous Media Mediated by Low-Concentration Surfactants: The Critical Role of Surfactant to Change Cell Surface Hydrophobicity. <i>Water Resources Research</i> , 2020, 56, e2019WR026103.	1.7	14
13	Sub-CMC solubilization of n-alkanes by rhamnolipid biosurfactant: the Influence of rhamnolipid molecular structure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111049.	2.5	8
14	Alkane solubilization by surfactants: Aggregate view and size analysis based on cryo-TEM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128589.	2.3	2
15	Solubilization of residual dodecane by surfactants in porous media: The relation between surfactant partition and solubilization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129421.	2.3	1