

Bo-Zhong Mu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6971832/publications.pdf>

Version: 2024-02-01

206
papers

5,295
citations

71102

41
h-index

128289

60
g-index

209
all docs

209
docs citations

209
times ranked

4672
citing authors

#	ARTICLE	IF	CITATIONS
1	Carrageenan-Based Hybrids with Biopolymers and Nano-Structured Materials for Biomimetic Applications. <i>Starch/Staerke</i> , 2024, 76, .	2.1	13
2	Long-Term Cultivation and Meta-Omics Reveal Methylotrophic Methanogenesis in Hydrocarbon-Impacted Habitats. <i>Engineering</i> , 2023, 24, 264-275.	6.7	1
3	Genetic engineering of the branched-chain fatty acid biosynthesis pathway to enhance surfactin production from <i>Bacillus subtilis</i> . <i>Biotechnology and Applied Biochemistry</i> , 2023, 70, 238-248.	3.1	5
4	Binary system of alkyl polyether carboxylate and quaternary ammonium with ultra-low interfacial tension at high temperature and a wide range of salinity. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109541.	4.2	6
5	Less bound cations and stable inner salt structure enhanced the salt tolerance of the bio-based zwitterionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128074.	4.7	7
6	Electron donors and mediators in the thermodynamics and kinetics of CO ₂ bioreduction. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111997.	16.4	5
7	Prospects of microbial polysaccharides-based hybrid constructs for biomimicking applications. <i>Journal of Basic Microbiology</i> , 2022, 62, 1319-1336.	3.3	10
8	Rheological Properties of a New Microbial Exopolysaccharide Produced by <i>Sphingomonas sp.</i> HS and Its Potential in Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2022, 36, 1792-1798.	5.1	2
9	Enzymatic synthesis of high-titer nicotinamide mononucleotide with a new nicotinamide riboside kinase and an efficient ATP regeneration system. <i>Bioresources and Bioprocessing</i> , 2022, 9, .	4.2	16
10	Discovery of the non-cosmopolitan lineages in <i>Candidatus</i> Thermoprofundales. <i>Environmental Microbiology</i> , 2022, 24, 3063-3080.	3.8	3
11	Stimulation of Bathyarchaeota in enrichment cultures by syringaldehyde, 4-hydroxybenzaldehyde and vanillin under anaerobic conditions. <i>International Biodeterioration and Biodegradation</i> , 2022, 171, 105409.	3.9	7
12	Laboratory studies on a novel salt-tolerant and alkali-free flooding system composed of a biopolymer and a bio-based surfactant for oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107736.	4.2	24
13	Dominant and Active Methanogens in the Production Waters From a High-Temperature Petroleum Reservoir by DNA- and RNA-Based Analysis. <i>Geomicrobiology Journal</i> , 2021, 38, 191-198.	2.0	4
14	Formation of viscoelastic micellar solutions by a novel cationic surfactant and anionic salt system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125795.	4.7	7
15	Improvement surfactin production by substitution of promoters in <i>Bacillus subtilis</i> TD7. <i>Applied Environmental Biotechnology</i> , 2021, 6, 31-41.	2.4	5
16	A New Benzylated Fatty Acid Amide Amphoteric Surfactant Derived from Hydrogenated Castor Oil with Ultra-Low Interfacial Tension between Crude Oil and Brine. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 511-515.	2.1	1
17	One-Step Generation of Multisomes from Lipid-Stabilized Double Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6739-6747.	8.0	10
18	Mixing of Surfactin, an Anionic Biosurfactant, with Alkylbenzene Sulfonate, a Chemically Synthesized Anionic Surfactant, at the <i>n</i> -Decane/Water Interface. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 445-457.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Consideration of Application Possibility of Biosurfactant and Alkaline-surfactant-polymer (B-ASP) with Ultra-low Crude Oil/Brine Interfacial Tension for Enhancement of Oil Recovery. <i>Journal of the Japan Petroleum Institute</i> , 2021, 64, 84-91.	0.6	4
20	Interfacial properties and salt tolerance of carboxylated nonylphenol ethoxylate surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126222.	4.7	21
21	The middle phenyl-group at the hydrophobic tails of bio-based zwitterionic surfactants induced waved monolayers and more hydrated status on the surface of water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126655.	4.7	5
22	Microbial Lipopeptide-Producing Strains and Their Metabolic Roles under Anaerobic Conditions. <i>Microorganisms</i> , 2021, 9, 2030.	3.6	10
23	Aminirod propionatiphilus gen. nov., sp. nov., an isolated secondary fermenter in methanogenic hydrocarbon-degrading communities. <i>International Biodeterioration and Biodegradation</i> , 2021, 165, 105323.	3.9	3
24	New evidence for a hydroxylation pathway for anaerobic alkane degradation supported by analyses of functional genes and signature metabolites in oil reservoirs. <i>AMB Express</i> , 2021, 11, 18.	3.0	10
25	Role of molecular interactions between biosurfactant surfactin and alkylbenzenesulfonate. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1227-1235.	2.4	2
26	Low-toxic and Nonirritant Biosurfactant Surfactin and its Performances in Detergent Formulations. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 109-118.	2.1	56
27	Efficient emulsifying properties of monoglycerides synthesized via simple and green route. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1902-1910.	2.4	5
28	A high yield method for the direct amidation of long-chain fatty acids. <i>International Journal of Chemical Kinetics</i> , 2020, 52, 99-108.	1.6	7
29	Functional microorganisms involved in the sulfur and nitrogen metabolism in production water from a high-temperature offshore petroleum reservoir. <i>International Biodeterioration and Biodegradation</i> , 2020, 154, 105057.	3.9	13
30	Energy recovery from the carbon dioxide for green and sustainable environment using iron minerals as electron donor. <i>Journal of Cleaner Production</i> , 2020, 277, 124134.	9.3	6
31	The recovery of viscosity of HPAM solution in presence of high concentration sulfide ions. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107605.	4.2	11
32	Bioelectrochemical methane production from CO ₂ by <i>Methanosarcina barkeri</i> via direct and H ₂ -mediated indirect electron transfer. <i>Energy</i> , 2020, 210, 118445.	8.8	23
33	Simultaneous detection of transcribed functional <i>assA</i> gene and the corresponding metabolites of linear alkanes (C ₄ , C ₅ , and C ₇) in production water of a low-temperature oil reservoir. <i>Science of the Total Environment</i> , 2020, 746, 141290.	8.0	4
34	Anaerobic Degradation of Paraffins by Thermophilic Actinobacteria under Methanogenic Conditions. <i>Environmental Science & Technology</i> , 2020, 54, 10610-10620.	10.0	53
35	Assessment of Five Electron-Shuttling Molecules in the Extracellular Electron Transfer of Electromethanogenesis by using <i>Methanosarcina barkeri</i> . <i>ChemElectroChem</i> , 2020, 7, 3783-3789.	3.4	11
36	The optimization of heterogeneous catalytic conditions in the direct alkylation of waste vegetable oil. <i>Royal Society Open Science</i> , 2020, 7, 192254.	2.4	2

#	ARTICLE	IF	CITATIONS
37	Insight into the Adsorption Mechanisms of CO ₂ , CH ₄ , and Their Mixtures on Kerogen Type IIIA. <i>Energy & Fuels</i> , 2020, 34, 14300-14311.	5.1	7
38	Microbial community composition and diversity in production water of a high-temperature offshore oil reservoir assessed by DNA- and RNA-based analyses. <i>International Biodeterioration and Biodegradation</i> , 2020, 151, 104970.	3.9	22
39	Synthesis and Interfacial Properties of Bio-Based Zwitterionic Surfactants Derived from Different Fatty Acids in Non-Edible Vegetable Oils. <i>Journal of Renewable Materials</i> , 2020, 8, 417-429.	2.2	7
40	Enhanced energy generation and altered biochemical pathways in an enrichment microbial consortium amended with natural iron minerals. <i>Renewable Energy</i> , 2020, 159, 585-594.	8.9	5
41	A new member of the surfactin family produced by <i>Bacillus subtilis</i> with low toxicity on erythrocyte. <i>Process Biochemistry</i> , 2020, 94, 164-171.	3.7	27
42	Synthesis and mass spectra of rearrangement bio-signature metabolites of anaerobic alkane degradation via fumarate addition. <i>Analytical Biochemistry</i> , 2020, 600, 113746.	2.4	2
43	Genomic and Transcriptomic Evidence Supports Methane Metabolism in <i>Archaeoglobi</i> . <i>MSystems</i> , 2020, 5, .	3.8	33
44	Dominance of <i>Pseudomonas</i> in bacterial community and inhibition of fumarate addition pathway by injection of nutrients in oil reservoir revealed by functional gene and their transcript analyses. <i>International Biodeterioration and Biodegradation</i> , 2020, 153, 105039.	3.9	8
45	Methanogenic biodegradation of C ₁₃ and C ₁₄ n-alkanes activated by addition to fumarate. <i>International Biodeterioration and Biodegradation</i> , 2020, 153, 104994.	3.9	6
46	Lipid-Stabilized Double Emulsions Generated in Planar Microfluidic Devices. <i>Langmuir</i> , 2020, 36, 2349-2356.	3.5	19
47	A Coarse-Grained Model for Microbial Lipopeptide Surfactin and Its Application in Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1839-1846.	2.6	4
48	Long-chain n-alkane biodegradation coupling to methane production in an enriched culture from production water of a high-temperature oil reservoir. <i>AMB Express</i> , 2020, 10, 63.	3.0	13
49	Methanogenic biodegradation of C ₉ to C ₁₂ n-alkanes initiated by <i>Smithella</i> via fumarate addition mechanism. <i>AMB Express</i> , 2020, 10, 23.	3.0	22
50	Enrichment and immobilization of oil-degrading microbial consortium on different sorbents for bioremediation testing under simulated aquatic and soil conditions. <i>Applied Environmental Biotechnology</i> , 2020, 5, 1-11.	2.4	5
51	Quantitative Determination of Trace Lipopeptide Using HPLC through Double Carboxyls Labelling. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 2457-2464.	1.9	1
52	Insights into the hydrogen generation from water-iron rock reactions at low temperature and the key limiting factors in the process. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18007-18018.	7.1	11
53	A thermal-stable and salt-tolerant biobased zwitterionic surfactant with ultralow interfacial tension between crude oil and formation brine. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106181.	4.2	30
54	The newly proposed TACK and DPANN archaea detected in the production waters from a high-temperature petroleum reservoir. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104729.	3.9	11

#	ARTICLE	IF	CITATIONS
55	Key players in the methanogenic biodegradation of n-hexadecane identified by DNA-Stable isotope probing. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104709.	3.9	11
56	Anaerobic hydrocarbon degradation in candidate phylum "Atribacteria"™ (JS1) inferred from genomics. <i>ISME Journal</i> , 2019, 13, 2377-2390.	9.8	63
57	Methanogenic Degradation of Long <i>n</i> -Alkanes Requires Fumarate-Dependent Activation. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	22
58	High microbial diversity of the nitric oxide dismutation reaction revealed by PCR amplification and analysis of the nod gene. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104708.	3.9	10
59	Bioconversion Pathway of CO ₂ in the Presence of Ethanol by Methanogenic Enrichments from Production Water of a High-Temperature Petroleum Reservoir. <i>Energies</i> , 2019, 12, 918.	3.1	2
60	Direct microbial transformation of carbon dioxide to value-added chemicals: A comprehensive analysis and application potentials. <i>Bioresource Technology</i> , 2019, 288, 121401.	9.6	40
61	Characterization of biosurfactant lipopeptide and its performance evaluation for oil-spill remediation. <i>RSC Advances</i> , 2019, 9, 9629-9632.	3.6	20
62	<i>Tepidicella baoligensis</i> sp. nov., A Novel Member of Betaproteobacterium Isolated from an Oil Reservoir. <i>Current Microbiology</i> , 2019, 76, 410-414.	2.2	3
63	Identifying the core bacterial microbiome of hydrocarbon degradation and a shift of dominant methanogenesis pathways in the oil and aqueous phases of petroleum reservoirs of different temperatures from China. <i>Biogeosciences</i> , 2019, 16, 4229-4241.	3.3	9
64	Simultaneous methanogenesis and acetogenesis from the greenhouse carbon dioxide by an enrichment culture supplemented with zero-valent iron. <i>Renewable Energy</i> , 2019, 132, 861-870.	8.9	32
65	Current scenario and potential of biodiesel production from waste cooking oil in Pakistan: An overview. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2238-2250.	3.5	59
66	Simulation of in situ oil reservoir conditions in a laboratory bioreactor testing for methanogenic conversion of crude oil and analysis of the microbial community. <i>International Biodeterioration and Biodegradation</i> , 2019, 136, 24-33.	3.9	14
67	Methanogenic degradation of branched alkanes in enrichment cultures of production water from a high-temperature petroleum reservoir. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2391-2401.	3.6	21
68	Anaerobic biodegradation of partially hydrolyzed polyacrylamide in long-term methanogenic enrichment cultures from production water of oil reservoirs. <i>Biodegradation</i> , 2018, 29, 233-243.	3.0	16
69	Accelerated CO ₂ reduction to methane for energy by zero valent iron in oil reservoir production waters. <i>Energy</i> , 2018, 147, 663-671.	8.8	27
70	Characterization of bacterial composition and diversity in a long-term petroleum contaminated soil and isolation of high-efficiency alkane-degrading strains using an improved medium. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 34.	3.6	48
71	Microbial reduction of CO ₂ from injected NaH ₂ CO ₃ with degradation of n-hexadecane in the enrichment culture derived from a petroleum reservoir. <i>International Biodeterioration and Biodegradation</i> , 2018, 127, 192-200.	3.9	12
72	Microfluidic Diffusion Platform for Characterizing the Sizes of Lipid Vesicles and the Thermodynamics of Protein-Lipid Interactions. <i>Analytical Chemistry</i> , 2018, 90, 3284-3290.	6.5	20

#	ARTICLE	IF	CITATIONS
73	Coralloluteibacterium thermophilus sp. nov., A Gammaproteobacterium Isolated from an Oil Reservoir. <i>Current Microbiology</i> , 2018, 75, 1584-1588.	2.2	1
74	Insight into the Selectivity and Mechanism of Surfactin Containing Multiple Dissociated Carboxyls with 1-Bromoacetylpyrene in Fluorescent Derivatization. <i>Analytical Sciences</i> , 2018, 34, 541-545.	1.6	2
75	Micellization in binary biosurfactant/synthetic surfactant systems: Effects of temperature and hydrophobic group structure of alkyl benzenesulfonate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 551, 174-184.	4.7	13
76	A novel binary flooding system of a biobased surfactant and hydrophobically associating polymer with ultralow interfacial tensions. <i>RSC Advances</i> , 2018, 8, 22986-22990.	3.6	16
77	Different Diversity and Distribution of Archaeal Community in the Aqueous and Oil Phases of Production Fluid From High-Temperature Petroleum Reservoirs. <i>Frontiers in Microbiology</i> , 2018, 9, 841.	3.5	14
78	Improved transesterification of waste cooking oil into biodiesel using calcined goat bone as a catalyst. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1076-1083.	2.3	30
79	Metabolic capability and in situ activity of microorganisms in an oil reservoir. <i>Microbiome</i> , 2018, 6, 5.	11.1	70
80	Decrease in viscosity of partially hydrolyzed polyacrylamide solution caused by the interaction between sulfide ion and amide group. <i>Journal of Petroleum Science and Engineering</i> , 2018, 170, 738-743.	4.2	15
81	A low-temperature active endo- β -1,4-mannanase from <i>Bacillus subtilis</i> TD7 and its gene expression in <i>Escherichia coli</i> . <i>Applied Environmental Biotechnology</i> , 2018, 3, .	2.4	1
82	Distribution Coefficients of Lipopeptide Biosurfactant in Different Solvents and its Separation from a Surfactant/Polymer Mixture in Aqueous Solutions. <i>Tenside, Surfactants, Detergents</i> , 2017, 54, 12-17.	1.2	1
83	Biodiesel production from waste cooking oil using onsite produced purified lipase from <i>Pseudomonas aeruginosa</i> FW_SH-1: Central composite design approach. <i>Renewable Energy</i> , 2017, 109, 93-100.	8.9	60
84	Insight into the shift and rearrangement of carbocation in Friedel-Crafts alkylation of unsaturated fatty acids revealed by GC-MS. <i>International Journal of Mass Spectrometry</i> , 2017, 415, 85-91.	1.5	6
85	Microbiota and their affiliation with physiochemical characteristics of different subsurface petroleum reservoirs. <i>International Biodeterioration and Biodegradation</i> , 2017, 120, 170-185.	3.9	63
86	Propionate metabolism and diversity of relevant functional genes by in silico analysis and detection in subsurface petroleum reservoirs. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 182.	3.6	6
87	Iron oxides alter methanogenic pathways of acetate in production water of high-temperature petroleum reservoir. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7053-7063.	3.6	16
88	Type II chaperonin gene as a complementary barcode for 16S rRNA gene in study of Archaea diversity of petroleum reservoirs. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 113-120.	3.9	8
89	Mechanism of biosurfactant adsorption to oil/water interfaces from millisecond scale tensiometry measurements. <i>Interface Focus</i> , 2017, 7, 20170013.	3.0	15
90	Migration Behavior of Lithium during Brine Evaporation and KCl Production Plants in Qarhan Salt Lake. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 57.	2.0	9

#	ARTICLE	IF	CITATIONS
91	Diversity and Composition of Sulfate-Reducing Microbial Communities Based on Genomic DNA and RNA Transcription in Production Water of High Temperature and Corrosive Oil Reservoir. <i>Frontiers in Microbiology</i> , 2017, 8, 1011.	3.5	63
92	Responses of Microbial Community Composition to Temperature Gradient and Carbon Steel Corrosion in Production Water of Petroleum Reservoir. <i>Frontiers in Microbiology</i> , 2017, 8, 2379.	3.5	48
93	Expanding the Diet for DIET: Electron Donors Supporting Direct Interspecies Electron Transfer (DIET) in Defined Co-Cultures. <i>Frontiers in Microbiology</i> , 2016, 7, 236.	3.5	56
94	Formate-Dependent Microbial Conversion of CO ₂ and the Dominant Pathways of Methanogenesis in Production Water of High-temperature Oil Reservoirs Amended with Bicarbonate. <i>Frontiers in Microbiology</i> , 2016, 7, 365.	3.5	19
95	High Frequency of <i>Thermodesulfovibrio</i> spp. and Anaerolineaceae in Association with <i>Methanoculleus</i> spp. in a Long-Term Incubation of n-Alkanes-Degrading Methanogenic Enrichment Culture. <i>Frontiers in Microbiology</i> , 2016, 7, 1431.	3.5	95
96	Structural Analysis of the Lipopeptide Produced by the <i>Bacillus subtilis</i> Mutant R2-104 with Mutagenesis. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 973-985.	2.9	11
97	Synthesis and Characterization of Anaerobic Degradation Biomarkers of n-Alkanes via Hydroxylation/Carboxylation Pathways. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 31-37.	1.0	7
98	Microbial communities responsible for fixation of CO ₂ revealed by using <i>mcrA</i> , <i>cbbM</i> , <i>cbbL</i> , <i>fthfs</i> , <i>fefe</i> -hydrogenase genes as molecular biomarkers in petroleum reservoirs of different temperatures. <i>International Biodeterioration and Biodegradation</i> , 2016, 114, 164-175.	3.9	14
99	Activation of CO ₂ -reducing methanogens in oil reservoir after addition of nutrient. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 740-747.	2.2	12
100	Molecular diversity of bacterial <i>bamA</i> gene involved in anaerobic degradation of aromatic hydrocarbons in mesophilic petroleum reservoirs. <i>International Biodeterioration and Biodegradation</i> , 2016, 114, 122-128.	3.9	36
101	Diversity and abundance of ammonia-oxidizing bacteria (AOB) revealed by PCR amplification of <i>amoA</i> gene in a polyacrylamide transportation system of an oilfield. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 110-118.	3.9	3
102	Interaction of a biosurfactant, Surfactin with a cationic Gemini surfactant in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2016, 481, 201-209.	9.4	29
103	Dominance of <i>Desulfotignum</i> in sulfate-reducing community in high sulfate production-water of high temperature and corrosive petroleum reservoirs. <i>International Biodeterioration and Biodegradation</i> , 2016, 114, 45-56.	3.9	59
104	Molecular cloning and expression of a new β -D-neoagarobiose hydrolase from <i>Agarivorans gilvus</i> WH0801 and enzymatic production of 3,6-anhydro- α -D-galactose. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 230-237.	3.1	19
105	Microbial community dynamics in Baolige oilfield during MEOR treatment, revealed by Illumina MiSeq sequencing. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1469-1478.	3.6	48
106	Selective inhibition of methanogenesis by sulfate in enrichment culture with production water from low-temperature oil reservoir. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 133-141.	3.9	17
107	The biofilm property and its relationship with high-molecular-weight polyacrylamide degradation in a water injection pipeline of Daqing oilfield. <i>Journal of Hazardous Materials</i> , 2016, 304, 388-399.	12.4	45
108	Low-temperature-active and salt-tolerant β -mannanase from a newly isolated <i>Enterobacter</i> sp. strain N18. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 140-146.	2.2	24

#	ARTICLE	IF	CITATIONS
109	A thermophilic nitrate-reducing bacterium isolated from production water of a high temperature oil reservoir and its inhibition on sulfate-reducing bacteria. <i>Applied Environmental Biotechnology</i> , 2016, 1, 35.	2.4	6
110	The diversity of hydrogen-producing microorganisms in a high temperature oil reservoir and its potential role in promoting the in situ bioprocess. <i>Applied Environmental Biotechnology</i> , 2016, 1, 25.	2.4	4
111	Synthesis and Properties of a Novel Bio-Based Branched Heptadecylbenzene Sulfonate Derived from Oleic Acid. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 2753-2760.	4.9	2
112	Quantification of Lipopeptides Using High-performance Liquid Chromatography with Fluorescence Detection after Derivatization. <i>Analytical Sciences</i> , 2015, 31, 377-382.	1.6	6
113	The Rebirth of Waste Cooking Oil to Novel Bio-based Surfactants. <i>Scientific Reports</i> , 2015, 5, 9971.	3.3	30
114	Non-destructive characterization using MCT reveals the composition and distribution of impurities in solar carnallite. <i>RSC Advances</i> , 2015, 5, 16230-16233.	3.6	2
115	Structural characterization of lipopeptides from <i>Enterobacter</i> sp. strain N18 reveals production of surfactin homologues. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 890-898.	1.5	25
116	Insights into the Anaerobic Biodegradation Pathway of n-Alkanes in Oil Reservoirs by Detection of Signature Metabolites. <i>Scientific Reports</i> , 2015, 5, 9801.	3.3	78
117	The Composition and Interfacial Activity of Alkyl Benzene Sulfonates Used in Oil Recovery. <i>Petroleum Science and Technology</i> , 2015, 33, 287-293.	1.5	5
118	Binding structure and kinetics of surfactin monolayer formed at the air/water interface to counterions: A molecular dynamics simulation study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1955-1962.	2.6	12
119	Anaerolineaceae and Methanosaeta turned to be the dominant microorganisms in alkanes-dependent methanogenic culture after long-term of incubation. <i>AMB Express</i> , 2015, 5, 117.	3.0	244
120	Significant enhancement of <i>Pseudomonas aeruginosa</i> FW_SH-1 lipase production using response surface methodology and analysis of its hydrolysis capability. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 52, 7-13.	5.3	14
121	Synthesis of 2-[2H]-2-(1-methylalkyl)succinic acids. <i>Chinese Chemical Letters</i> , 2015, 26, 619-622.	9.0	3
122	Analysis of microbial communities in the oil reservoir subjected to CO ₂ -flooding by using functional genes as molecular biomarkers for microbial CO ₂ sequestration. <i>Frontiers in Microbiology</i> , 2015, 6, 236.	3.5	34
123	Novel zwitterionic surfactant derived from castor oil and its performance evaluation for oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 87-95.	4.7	78
124	Chemical Structure, Property and Potential Applications of Biosurfactants Produced by <i>Bacillus subtilis</i> in Petroleum Recovery and Spill Mitigation. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4814-4837.	4.1	119
125	Analysis of Bacterial and Archaeal Communities along a High-Molecular-Weight Polyacrylamide Transportation Pipeline System in an Oil Field. <i>International Journal of Molecular Sciences</i> , 2015, 16, 7445-7461.	4.1	15
126	Structural Diversity of the Microbial Surfactin Derivatives from Selective Esterification Approach. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1855-1872.	4.1	24

#	ARTICLE	IF	CITATIONS
127	Acetoclastic methanogenesis is likely the dominant biochemical pathway of palmitate degradation in the presence of sulfate. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7757-7769.	3.6	12
128	Role of reactive oxygen species in the dechlorination of trichloroethene and 1,1,1-trichloroethane in aqueous phase in UV/TiO ₂ systems. <i>Chemical Engineering Science</i> , 2015, 123, 367-375.	3.8	21
129	Comparison of bacterial community in aqueous and oil phases of water-flooded petroleum reservoirs using pyrosequencing and clone library approaches. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4209-4221.	3.6	79
130	Gene cloning, expression and characterisation of a new β -D-galactosidase, AgWH50C, producing neoagarobiose from <i>Agarivorans gilvus</i> WH0801. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1691-1698.	3.6	30
131	Structural characterization of rhamnolipid produced by <i>Pseudomonas aeruginosa</i> strain FIN2 isolated from oil reservoir water. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1473-1484.	3.6	14
132	Functional genes (dsr) approach reveals similar sulphidogenic prokaryotes diversity but different structure in saline waters from corroding high temperature petroleum reservoirs. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1871-1882.	3.6	45
133	Cloning and characterisation of a novel neoagarotetraose-forming β -D-galactosidase, AgWH50A from <i>Agarivorans gilvus</i> WH0801. <i>Carbohydrate Research</i> , 2014, 388, 147-151.	2.3	36
134	Interaction Between Surfactin and Bovine Serum Albumin. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 48-55.	2.4	4
135	Interaction between biosurfactant surfactin and cationic surfactant cetyl trimethyl ammonium bromide in mixed micelle. <i>Colloid and Polymer Science</i> , 2014, 292, 3169-3176.	2.1	17
136	A family of novel bio-based zwitterionic surfactants derived from oleic acid. <i>RSC Advances</i> , 2014, 4, 38393.	3.6	44
137	Insights into the Interactions among Surfactin, Betaines, and PAM: Surface Tension, Small-Angle Neutron Scattering, and Small-Angle X-ray Scattering Study. <i>Langmuir</i> , 2014, 30, 3363-3372.	3.5	19
138	Synthesis of Anaerobic Degradation Biomarkers Alkyl-, Aryl- and Cycloalkylsuccinic Acids and Their Mass Spectral Characteristics. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 287-297.	1.0	14
139	Optimization of Surfactin Production by <i>Bacillus subtilis</i> HSO121 through Plackett-Burman and Response Surface Method. <i>Protein and Peptide Letters</i> , 2014, 21, 885-893.	0.9	12
140	Interaction of the Biosurfactant, Surfactin with Betaines in Aqueous Solution. <i>Langmuir</i> , 2013, 29, 10648-10657.	3.5	21
141	Diversity and distribution of sulfate-reducing bacteria in four petroleum reservoirs detected by using 16S rRNA and dsrAB genes. <i>International Biodeterioration and Biodegradation</i> , 2013, 76, 58-66.	3.9	79
142	Evaluation of microbial community composition in thermophilic methane-producing incubation of production water from a high-temperature oil reservoir. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 137-145.	1.5	137
143	The effect of polymerizable surfactant emulsifying agent on the formation and stability of β -lipoic acid loaded nanostructured lipid carriers (NLC). <i>Food Hydrocolloids</i> , 2013, 32, 72-78.	10.7	36
144	Kinetic Modeling of Esterification Reaction of Surfactin-C15 in Methanol Solution. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 327-337.	2.9	3

#	ARTICLE	IF	CITATIONS
145	Molecular detection, quantification and distribution of alkane-degrading bacteria in production water from low temperature oilfields. <i>International Biodeterioration and Biodegradation</i> , 2013, 76, 49-57.	3.9	36
146	Kinetic Study of Hydrogen-Deuterium Exchange of Glutamic Acid in Deuterated Hydrochloric Acid Solution. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 243-247.	1.6	1
147	Characterization and evaluation of an oral microemulsion containing the antitumor diterpenoid compound ent-11alpha-hydroxy-15-oxo-kaur-16-en-19-oic-acid. <i>International Journal of Nanomedicine</i> , 2013, 8, 1879.	6.7	9
148	Quantitative Analyses of the Isoforms of Surfactin Produced by <i>Bacillus subtilis</i> HSO 121 Using GC-MS. <i>Analytical Sciences</i> , 2012, 28, 789-793.	1.6	24
149	Temperature Influence on the Structure and Interfacial Properties of Surfactin Micelle: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12735-12743.	2.6	20
150	Nanoscale Interfacial Activity of the Natural Lipopeptide, [Asp ¹ , Glu ⁵] Surfactin-16, and DMPC in Mixed Monolayer. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2869-2873.	4.9	0
151	Methanogenic Microbial Community Composition of Oily Sludge and Its Enrichment Amended with Alkanes Incubated for Over 500 Days. <i>Geomicrobiology Journal</i> , 2012, 29, 716-726.	2.0	27
152	Analyses of n-alkanes degrading community dynamics of a high-temperature methanogenic consortium enriched from production water of a petroleum reservoir by a combination of molecular techniques. <i>Ecotoxicology</i> , 2012, 21, 1680-1691.	2.4	67
153	Molecular analysis of the microbial community structures in water-flooding petroleum reservoirs with different temperatures. <i>Biogeosciences</i> , 2012, 9, 4645-4659.	3.3	59
154	A two-step synthesis of deuterium labeled 8, 8, 9, 9-tetradecane from nonanoic acid. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2012, 55, 158-160.	1.0	4
155	Analysis of alkane-dependent methanogenic community derived from production water of a high-temperature petroleum reservoir. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 531-542.	3.6	102
156	Effects of 1,1,1-trichloroethane on enzymatic activity and bacterial community in anaerobic microcosm form sequencing batch reactors. <i>Ecotoxicology</i> , 2012, 21, 1426-1435.	2.4	2
157	Effects of Different Amino Acids in Culture Media on Surfactin Variants Produced by <i>Bacillus subtilis</i> TD7. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 2091-2100.	2.9	45
158	Microbial community characteristics of petroleum reservoir production water amended with n-alkanes and incubated under nitrate-, sulfate-reducing and methanogenic conditions. <i>International Biodeterioration and Biodegradation</i> , 2012, 69, 87-96.	3.9	47
159	Molecular Dynamics Study of Surfactin Monolayer at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12770-12777.	2.6	25
160	Theoretical Analyzing of Monomers Adsorbing in Nano-Slits. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 11156-11161.	0.9	0
161	Nitrate-reducing community in production water of three oil reservoirs and their responses to different carbon sources revealed by nitrate-reductase encoding gene (<i>napA</i>). <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1081-1086.	3.9	38
162	Microbial communities involved in anaerobic degradation of alkanes. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1-13.	3.9	175

#	ARTICLE	IF	CITATIONS
163	Characterization of an alkane-degrading methanogenic enrichment culture from production water of an oil reservoir after 274 days of incubation. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 444-450.	3.9	93
164	Production Processes Affected Prokaryotic <i>amoA</i> Gene Abundance and Distribution in High-Temperature Petroleum Reservoirs. <i>Geomicrobiology Journal</i> , 2011, 28, 692-704.	2.0	42
165	Effects of Molecular Structure on Surfactin Micellization Activity. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2011, 27, 1128-1134.	4.9	9
166	Hysteresis Behavior of Surfactin Monolayer at the Air/Water Interface. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2011, 27, 2217-2221.	4.9	0
167	Molecular Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria in High-Temperature Petroleum Reservoirs. <i>Microbial Ecology</i> , 2010, 60, 771-783.	2.8	131
168	Effect of the microbial lipopeptide on tumor cell lines: apoptosis induced by disturbing the fatty acid composition of cell membrane. <i>Protein and Cell</i> , 2010, 1, 584-594.	11.0	53
169	Structural Characterization of Lipopeptides from <i>Brevibacillus brevis</i> HOB1. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 812-821.	2.9	24
170	Structural Characterization of Lipopeptide Methyl Esters Produced by <i>Bacillus licheniformis</i> HSN 221. <i>Chemistry and Biodiversity</i> , 2010, 7, 2065-2075.	2.1	10
171	Surfactin effect on the physicochemical property of PC liposome. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 361, 90-95.	4.7	14
172	Interaction between the natural lipopeptide [Glu ₁ , Asp ₅] surfactin-C15 and hemoglobin: A spectroscopic and electrochemical investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 154-159.	4.7	7
173	Toluidine blue: Aggregation properties and distribution behavior in surfactin micelle solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 496-500.	5.0	29
174	The Surfactin and Lichenysin Isoforms Produced by <i>Bacillus licheniformis</i> HSN 221. <i>Analytical Letters</i> , 2010, 43, 929-940.	1.8	17
175	Theoretical analyzing of monomers adsorbing in nano-slits. , 2010, , .		0
176	Interfacial Behavior of Surfactin at the Decane/Water Interface: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14947-14954.	2.6	23
177	Molecular Dynamics Simulation of Surfactin Derivatives at the Decane/Water Interface at Low Surface Coverage. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2728-2737.	2.6	22
178	Interaction between the Natural Lipopeptide [Glu ₁ , Asp ₅] Surfactin-C15 and Hemoglobin in Aqueous Solution. <i>Biomacromolecules</i> , 2010, 11, 593-599.	5.4	26
179	Micellization Activity of the Natural Lipopeptide [Glu ₁ , Asp ₅] Surfactin-C15 in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2712-2718.	2.6	48
180	Influence of Sodium Ions on Micelles of Surfactin C ₁₆ in Solution. <i>Journal of Surfactants and Detergents</i> , 2009, 12, 31-36.	2.1	13

#	ARTICLE	IF	CITATIONS
181	Production and characterization of a C15-surfactin-O-methyl ester by a lipopeptide producing strain <i>Bacillus subtilis</i> HSO121. <i>Process Biochemistry</i> , 2009, 44, 1144-1151.	3.7	59
182	Counterion-Induced Changes to the Micellization of Surfactin-C ₁₆ Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15272-15277.	2.6	39
183	Identification of a Biosurfactant Producing Strain: <i>Bacillus subtilis</i> HOB2. <i>Protein and Peptide Letters</i> , 2009, 16, 7-13.	0.9	34
184	Modeling of microorganisms transport in a cylindrical pore. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 495-500.	3.0	2
185	Isolation and characterization of a biosurfactant producing strain, <i>Brevibacillus brevis</i> HOB1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1597-1604.	3.0	55
186	Isolation and characterization of a C ₁₂ -lipopeptide produced by <i>Bacillus subtilis</i> HSO121. <i>Journal of Peptide Science</i> , 2008, 14, 864-875.	1.4	65
187	The McLafferty rearrangement in the Glu residue in a cyclic lipopeptide determined by Q ⁺ TOF MS/MS. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1673-1678.	1.6	14
188	Aggregation behavior and surface morphology studies of surfactin in Langmuir-Blodgett films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 330, 49-54.	4.7	8
189	Variants of Lipopeptides Produced by <i>Bacillus licheniformis</i> HSN221 in Different Medium Components Evaluated by a Rapid Method ESI-MS. <i>International Journal of Peptide Research and Therapeutics</i> , 2008, 14, 229-235.	1.9	57
190	Surfactin Isoforms from <i>Bacillus subtilis</i> HSO121: Separation and Characterization. <i>Protein and Peptide Letters</i> , 2008, 15, 265-269.	0.9	51
191	Structural Characterization of Eight Cyclic Lipopeptides Produced By <i>Bacillus subtilis</i> HSO121. <i>Protein and Peptide Letters</i> , 2007, 14, 766-773.	0.9	34
192	Molecular behavior of a microbial lipopeptide monolayer at the air-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 82-87.	4.7	27
193	Molecular phylogenetic diversity of the microbial community associated with a high-temperature petroleum reservoir at an offshore oilfield. <i>FEMS Microbiology Ecology</i> , 2007, 60, 74-84.	2.7	120
194	Determination of the structure of the fatty acid chain in a cyclic lipopeptide using GC-MS. <i>Journal of Proteomics</i> , 2007, 70, 519-523.	2.4	28
195	Phylogenetic Diversity of the Archaeal Community in a Continental High-Temperature, Water-Flooded Petroleum Reservoir. <i>Current Microbiology</i> , 2007, 55, 382-388.	2.2	37
196	Molecular analysis of the bacterial community in a continental high-temperature and water-flooded petroleum reservoir. <i>FEMS Microbiology Letters</i> , 2006, 257, 92-98.	1.8	74
197	Determination of the amino acid sequence in a cyclic lipopeptide using MS with DHT mechanism. <i>Journal of Proteomics</i> , 2006, 68, 69-74.	2.4	61
198	Characterization of Microbial Transport in Cylindrical Pores. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 819-824.	3.5	2

#	ARTICLE	IF	CITATIONS
199	Hysteresis Loops Predictions by Revised LDFT in Slits. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2006, 22, 355-358.	4.9	0
200	Study on color control system of digital photofinishing. , 2005, , .		0
201	The field pilot of microbial enhanced oil recovery in a high temperature petroleum reservoir. Journal of Petroleum Science and Engineering, 2005, 48, 265-271.	4.2	87
202	Critical adsorbing properties in slits predicted by traditional polymer adsorption theories on Ising lattice. Science Bulletin, 2005, 50, 1691.	1.7	1
203	Adsorption Behavior of Polydisperse Polymeric Systems. Molecular Simulation, 2004, 30, 313-321.	2.0	2
204	Application of the Revised Lattice Density Functional Theory in Slits. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2004, 20, 668-672.	4.9	2
205	Behavior of macromolecules in adsorbed layers. Science in China Series B: Chemistry, 2000, 43, 496-502.	0.8	0
206	Performance and optimization of biological and chemical composite flooding system for enhanced oil recovery. Petroleum Science and Technology, 0, , 1-16.	1.5	0