Bo-Zhong Mu

List of Publications by Year
in descending order

206	5,295	71102	128289
papers	citations	41 h-index	60 g-index

209	209	209	4672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anaerolineaceae and Methanosaeta turned to be the dominant microorganisms in alkanes-dependent methanogenic culture after long-term of incubation. AMB Express, 2015, 5, 117.	3.0	244
2	Microbial communities involved in anaerobic degradation of alkanes. International Biodeterioration and Biodegradation, 2011, 65, 1-13.	3.9	175
3	Molecular Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria in High-Temperature Petroleum Reservoirs. Microbial Ecology, 2010, 60, 771-783.	2.8	131
4	Molecular phylogenetic diversity of the microbial community associated with a high-temperature petroleum reservoir at an offshore oilfield. FEMS Microbiology Ecology, 2007, 60, 74-84.	2.7	120
5	Chemical Structure, Property and Potential Applications of Biosurfactants Produced by Bacillus subtilis in Petroleum Recovery and Spill Mitigation. International Journal of Molecular Sciences, 2015, 16, 4814-4837.	4.1	119
6	Analysis of alkane-dependent methanogenic community derived from production water of a high-temperature petroleum reservoir. Applied Microbiology and Biotechnology, 2012, 96, 531-542.	3.6	102
7	High Frequency of Thermodesulfovibrio spp. and Anaerolineaceae in Association with Methanoculleus spp. in a Long-Term Incubation of n-Alkanes-Degrading Methanogenic Enrichment Culture. Frontiers in Microbiology, 2016, 7, 1431.	3.5	95
8	Characterization of an alkane-degrading methanogenic enrichment culture from production water of an oil reservoir after 274 days of incubation. International Biodeterioration and Biodegradation, 2011, 65, 444-450.	3.9	93
9	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
10	Diversity and distribution of sulfate-reducing bacteria in four petroleum reservoirs detected by using 16S rRNA and dsrAB genes. International Biodeterioration and Biodegradation, 2013, 76, 58-66.	3.9	79
11	Comparison of bacterial community in aqueous and oil phases of water-flooded petroleum reservoirs using pyrosequencing and clone library approaches. Applied Microbiology and Biotechnology, 2014, 98, 4209-4221.	3.6	79
12	Insights into the Anaerobic Biodegradation Pathway of n-Alkanes in Oil Reservoirs by Detection of Signature Metabolites. Scientific Reports, 2015, 5, 9801.	3.3	78
13	Novel zwitterionic surfactant derived from castor oil and its performance evaluation for oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 87-95.	4.7	78
14	Molecular analysis of the bacterial community in a continental high-temperature and water-flooded petroleum reservoir. FEMS Microbiology Letters, 2006, 257, 92-98.	1.8	74
15	Metabolic capability and in situ activity of microorganisms in an oil reservoir. Microbiome, 2018, 6, 5.	11.1	70
16	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. Ecotoxicology, 2012, 21, 1680-1691.	2.4	67
17	Isolation and characterization of a C₁₂â€lipopeptide produced byBacillus subtilisHSO 121. Journal of Peptide Science, 2008, 14, 864-875.	1.4	65
18	Microbiota and their affiliation with physiochemical characteristics of different subsurface petroleum reservoirs. International Biodeterioration and Biodegradation, 2017, 120, 170-185.	3.9	63

#	Article	IF	Citations
19	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. Frontiers in Microbiology, 2017, 8, 1011.	3.5	63
20	Anaerobic hydrocarbon degradation in candidate phylum â€˜Atribacteriaâ€™ (JS1) inferred from genomics. ISME Journal, 2019, 13, 2377-2390.	9.8	63
21	Determination of the amino acid sequence in a cyclic lipopeptide using MS with DHT mechanism. Journal of Proteomics, 2006, 68, 69-74.	2.4	61
22	Biodiesel production from waste cooking oil using onsite produced purified lipase from Pseudomonas aeruginosa FW_SH-1: Central composite design approach. Renewable Energy, 2017, 109, 93-100.	8.9	60
23	Production and characterization of a C15-surfactin-O-methyl ester by a lipopeptide producing strain Bacillus subtilis HSO121. Process Biochemistry, 2009, 44, 1144-1151.	3.7	59
24	Molecular analysis of the microbial community structures in water-flooding petroleum reservoirs with different temperatures. Biogeosciences, 2012, 9, 4645-4659.	3.3	59
25	Dominance of Desulfotignum in sulfate-reducing community in high sulfate production-water of high temperature and corrosive petroleum reservoirs. International Biodeterioration and Biodegradation, 2016, 114, 45-56.	3.9	59
26	Current scenario and potential of biodiesel production from waste cooking oil in Pakistan: An overview. Chinese Journal of Chemical Engineering, 2019, 27, 2238-2250.	3.5	59
27	Variants of Lipopeptides Produced by Bacillus licheniformis HSN221 in Different Medium Components Evaluated by a Rapid Method ESI-MS. International Journal of Peptide Research and Therapeutics, 2008, 14, 229-235.	1.9	57
28	Expanding the Diet for DIET: Electron Donors Supporting Direct Interspecies Electron Transfer (DIET) in Defined Co-Cultures. Frontiers in Microbiology, 2016, 7, 236.	3.5	56
29	Lowâ€Toxic and Nonirritant Biosurfactant Surfactin and its Performances in Detergent Formulations. Journal of Surfactants and Detergents, 2020, 23, 109-118.	2.1	56
30	Isolation and characterization of a biosurfactant producing strain, Brevibacilis brevis HOB1. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1597-1604.	3.0	55
31	Effect of themicrobial lipopeptide on tumor cell lines: apoptosis induced by disturbing the fatty acid composition of cell membrane. Protein and Cell, 2010, 1, 584-594.	11.0	53
32	Anaerobic Degradation of Paraffins by Thermophilic Actinobacteria under Methanogenic Conditions. Environmental Science & Technology, 2020, 54, 10610-10620.	10.0	53
33	Surfactin Isoforms from Bacillus subtilis HSO121: Separation and Characterization. Protein and Peptide Letters, 2008, 15, 265-269.	0.9	51
34	Micellization Activity of the Natural Lipopeptide [Glu₁, Asp₅] Surfactin-C15 in Aqueous Solution. Journal of Physical Chemistry B, 2010, 114, 2712-2718.	2.6	48
35	Microbial community dynamics in Baolige oilfield during MEOR treatment, revealed by Illumina MiSeq sequencing. Applied Microbiology and Biotechnology, 2016, 100, 1469-1478.	3.6	48
36	Responses of Microbial Community Composition to Temperature Gradient and Carbon Steel Corrosion in Production Water of Petroleum Reservoir. Frontiers in Microbiology, 2017, 8, 2379.	3.5	48

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37	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. World Journal of Microbiology and Biotechnology, 2018, 34, 34.	3.6	48
38	Microbial community characteristics of petroleum reservoir production water amended with n-alkanes and incubated under nitrate-, sulfate-reducing and methanogenic conditions. International Biodeterioration and Biodegradation, 2012, 69, 87-96.	3.9	47
39	Effects of Different Amino Acids in Culture Media on Surfactin Variants Produced by Bacillus subtilis TD7. Applied Biochemistry and Biotechnology, 2012, 166, 2091-2100.	2.9	45
40	Functional genes (dsr) approach reveals similar sulphidogenic prokaryotes diversity but different structure in saline waters from corroding high temperature petroleum reservoirs. Applied Microbiology and Biotechnology, 2014, 98, 1871-1882.	3.6	45
41	The biofilm property and its correlationship with high-molecular-weight polyacrylamide degradation in a water injection pipeline of Daqing oilfield. Journal of Hazardous Materials, 2016, 304, 388-399.	12.4	45
42	A family of novel bio-based zwitterionic surfactants derived from oleic acid. RSC Advances, 2014, 4, 38393.	3.6	44
43	Production Processes Affected ProkaryoticamoAGene Abundance and Distribution in High-Temperature Petroleum Reservoirs. Geomicrobiology Journal, 2011, 28, 692-704.	2.0	42
44	Direct microbial transformation of carbon dioxide to value-added chemicals: A comprehensive analysis and application potentials. Bioresource Technology, 2019, 288, 121401.	9.6	40
45	Counterion-Induced Changes to the Micellization of Surfactin-C₁₆ Aqueous Solution. Journal of Physical Chemistry B, 2009, 113, 15272-15277.	2.6	39
46	Nitrate-reducing community in production water of three oil reservoirs and their responses to different carbon sources revealed by nitrate-reductase encoding gene (napA). International Biodeterioration and Biodegradation, 2011, 65, 1081-1086.	3.9	38
47	Phylogenetic Diversity of the Archaeal Community in a Continental High-Temperature, Water-Flooded Petroleum Reservoir. Current Microbiology, 2007, 55, 382-388.	2.2	37
48	The effect of polymerâ€“surfactant emulsifying agent on the formation and stability of Î±-lipoic acid loaded nanostructured lipid carriers (NLC). Food Hydrocolloids, 2013, 32, 72-78.	10.7	36
49	Molecular detection, quantification and distribution of alkane-degrading bacteria in production water from low temperature oilfields. International Biodeterioration and Biodegradation, 2013, 76, 49-57.	3.9	36
50	Cloning and characterisation of a novel neoagarotetraose-forming-Î²-agarase, AgWH50A from Agarivorans gilvus WH0801. Carbohydrate Research, 2014, 388, 147-151.	2.3	36
51	Molecular diversity of bacterial bamA gene involved in anaerobic degradation of aromatic hydrocarbons in mesophilic petroleum reservoirs. International Biodeterioration and Biodegradation, 2016, 114, 122-128.	3.9	36
52	Structural Characterization of Eight Cyclic Lipopeptides Produced By Bacillus subtilis HSO121. Protein and Peptide Letters, 2007, 14, 766-773.	0.9	34
53	Identification of a Biosurfactant Producing Strain: Bacillus subtilis HOB2. Protein and Peptide Letters, 2009, 16, 7-13.	0.9	34
54	Analysis of microbial communities in the oil reservoir subjected to CO2-flooding by using functional genes as molecular biomarkers for microbial CO2 sequestration. Frontiers in Microbiology, 2015, 6, 236.	3.5	34

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55	Genomic and Transcriptomic Evidence Supports Methane Metabolism in Archaeoglobi. MSystems, 2020, 5, .	3.8	33
56	Simultaneous methanogenesis and acetogenesis from the greenhouse carbon dioxide by an enrichment culture supplemented with zero-valent iron. Renewable Energy, 2019, 132, 861-870.	8.9	32
57	Gene cloning, expression and characterisation of a new Î²-agarase, AgWH50C, producing neoagarobiose from Agarivorans gilvus WH0801. World Journal of Microbiology and Biotechnology, 2014, 30, 1691-1698.	3.6	30
58	The Rebirth of Waste Cooking Oil to Novel Bio-based Surfactants. Scientific Reports, 2015, 5, 9971.	3.3	30
59	Improved transesterification of waste cooking oil into biodiesel using calcined goat bone as a catalyst. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1076-1083.	2.3	30
60	A thermal-stable and salt-tolerant biobased zwitterionic surfactant with ultralow interfacial tension between crude oil and formation brine. Journal of Petroleum Science and Engineering, 2019, 181, 106181.	4.2	30
61	Toluidine blue: Aggregation properties and distribution behavior in surfactin micelle solution. Colloids and Surfaces B: Biointerfaces, 2010, 75, 496-500.	5.0	29
62	Interaction of a biosurfactant, Surfactin with a cationic Gemini surfactant in aqueous solution. Journal of Colloid and Interface Science, 2016, 481, 201-209.	9.4	29
63	Determination of the structure of the fatty acid chain in a cyclic lipopeptide using GCâ€“MS. Journal of Proteomics, 2007, 70, 519-523.	2.4	28
64	Molecular behavior of a microbial lipopeptide monolayer at the airâ€“water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 82-87.	4.7	27
65	Methanogenic Microbial Community Composition of Oily Sludge and Its Enrichment Amended with Alkanes Incubated for Over 500 Days. Geomicrobiology Journal, 2012, 29, 716-726.	2.0	27
66	Accelerated CO2 reduction to methane for energy by zero valent iron in oil reservoir production waters. Energy, 2018, 147, 663-671.	8.8	27
67	A new member of the surfactin family produced by Bacillus subtilis with low toxicity on erythrocyte. Process Biochemistry, 2020, 94, 164-171.	3.7	27
68	Interaction between the Natural Lipopeptide [Glu₁, Asp₅] Surfactin-C15 and Hemoglobin in Aqueous Solution. Biomacromolecules, 2010, 11, 593-599.	5.4	26
69	Molecular Dynamics Study of Surfactin Monolayer at the Air/Water Interface. Journal of Physical Chemistry B, 2011, 115, 12770-12777.	2.6	25
70	Structural characterization of lipopeptides from Enterobacter sp. strain N18 reveals production of surfactin homologues. European Journal of Lipid Science and Technology, 2015, 117, 890-898.	1.5	25
71	Structural Characterization of Lipopeptides from Brevibacillus brevis HOB1. Applied Biochemistry and Biotechnology, 2010, 160, 812-821.	2.9	24
72	Quantitative Analyses of the Isoforms of Surfactin Produced by Bacillus subtilis HSO 121 Using GC-MS. Analytical Sciences, 2012, 28, 789-793.	1.6	24

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73	Structural Diversity of the Microbial Surfactin Derivatives from Selective Esterification Approach. International Journal of Molecular Sciences, 2015, 16, 1855-1872.	4.1	24
74	Low-temperature-active and salt-tolerant Î²-mannanase from a newly isolated Enterobacter sp. strain N18. Journal of Bioscience and Bioengineering, 2016, 121, 140-146.	2.2	24
75	Laboratory studies on a novel salt-tolerant and alkali-free flooding system composed of a biopolymer and a bio-based surfactant for oil recovery. Journal of Petroleum Science and Engineering, 2021, 196, 107736.	4.2	24
76	Interfacial Behavior of Surfactin at the Decane/Water Interface: A Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2010, 114, 14947-14954.	2.6	23
77	Bioelectrochemical methane production from CO2 by Methanosarcina barkeri via direct and H2-mediated indirect electron transfer. Energy, 2020, 210, 118445.	8.8	23
78	Molecular Dynamics Simulation of Surfactin Derivatives at the Decane/Water Interface at Low Surface Coverage. Journal of Physical Chemistry B, 2010, 114, 2728-2737.	2.6	22
79	Methanogenic Degradation of Long n -Alkanes Requires Fumarate-Dependent Activation. Applied and Environmental Microbiology, 2019, 85, .	3.1	22
80	Microbial community composition and diversity in production water of a high-temperature offshore oil reservoir assessed by DNA- and RNA-based analyses. International Biodeterioration and Biodegradation, 2020, 151, 104970.	3.9	22
81	Methanogenic biodegradation of C9 to C12n-alkanes initiated by Smithella via fumarate addition mechanism. AMB Express, 2020, 10, 23.	3.0	22
82	Interaction of the Biosurfactant, Surfactin with Betaines in Aqueous Solution. Langmuir, 2013, 29, 10648-10657.	3.5	21
83	Role of reactive oxygen species in the dechlorination of trichloroethene and 1.1.1-trichloroethane in aqueous phase in UV/TiO 2 systems. Chemical Engineering Science, 2015, 123, 367-375.	3.8	21
84	Methanogenic degradation of branched alkanes in enrichment cultures of production water from a high-temperature petroleum reservoir. Applied Microbiology and Biotechnology, 2019, 103, 2391-2401.	3.6	21
85	Interfacial properties and salt tolerance of carboxylated nonylphenol ethoxylate surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126222.	4.7	21
86	Temperature Influence on the Structure and Interfacial Properties of Surfactin Micelle: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2012, 116, 12735-12743.	2.6	20
87	Microfluidic Diffusion Platform for Characterizing the Sizes of Lipid Vesicles and the Thermodynamics of Proteinâ€“Lipid Interactions. Analytical Chemistry, 2018, 90, 3284-3290.	6.5	20
88	Characterization of biosurfactant lipopeptide and its performance evaluation for oil-spill remediation. RSC Advances, 2019, 9, 9629-9632.	3.6	20
89	Insights into the Interactions among Surfactin, Betaines, and PAM: Surface Tension, Small-Angle Neutron Scattering, and Small-Angle X-ray Scattering Study. Langmuir, 2014, 30, 3363-3372.	3.5	19
90	Formate-Dependent Microbial Conversion of CO2 and the Dominant Pathways of Methanogenesis in Production Water of High-temperature Oil Reservoirs Amended with Bicarbonate. Frontiers in Microbiology, 2016, 7, 365.	3.5	19

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91	Molecular cloning and expression of a new Î±â€neoagarobiose hydrolase from Agarivorans gilvus WH0801 and enzymatic production of 3,6â€anhydroâ€<scp>l</scp>â€galactose. Biotechnology and Applied Biochemistry, 2016, 63, 230-237.	3.1	19
92	Lipid-Stabilized Double Emulsions Generated in Planar Microfluidic Devices. Langmuir, 2020, 36, 2349-2356.	3.5	19
93	The Surfactin and Lichenysin Isoforms Produced byBacillus licheniformisHSN 221. Analytical Letters, 2010, 43, 929-940.	1.8	17
94	Interaction between biosurfactant surfactin and cationic surfactant cetyl trimethyl ammonium bromide in mixed micelle. Colloid and Polymer Science, 2014, 292, 3169-3176.	2.1	17
95	Selective inhibition of methanogenesis by sulfate in enrichment culture with production water from low-temperature oil reservoir. International Biodeterioration and Biodegradation, 2016, 108, 133-141.	3.9	17
96	Iron oxides alter methanogenic pathways of acetate in production water of high-temperature petroleum reservoir. Applied Microbiology and Biotechnology, 2017, 101, 7053-7063.	3.6	16
97	Anaerobic biodegradation of partially hydrolyzed polyacrylamide in long-term methanogenic enrichment cultures from production water of oil reservoirs. Biodegradation, 2018, 29, 233-243.	3.0	16
98	A novel binary flooding system of a biobased surfactant and hydrophobically associating polymer with ultralow interfacial tensions. RSC Advances, 2018, 8, 22986-22990.	3.6	16
99	Enzymatic synthesis of high-titer nicotinamide mononucleotide with a new nicotinamide riboside kinase and an efficient ATP regeneration system. Bioresources and Bioprocessing, 2022, 9, .	4.2	16
100	Analysis of Bacterial and Archaeal Communities along a High-Molecular-Weight Polyacrylamide Transportation Pipeline System in an Oil Field. International Journal of Molecular Sciences, 2015, 16, 7445-7461.	4.1	15
101	Mechanism of biosurfactant adsorption to oil/water interfaces from millisecond scale tensiometry measurements. Interface Focus, 2017, 7, 20170013.	3.0	15
102	Decrease in viscosity of partially hydrolyzed polyacrylamide solution caused by the interaction between sulfide ion and amide group. Journal of Petroleum Science and Engineering, 2018, 170, 738-743.	4.2	15
103	The McLafferty rearrangement in the Glu residue in a cyclic lipopeptide determined by Qâ€TOF MS/MS. Journal of Mass Spectrometry, 2008, 43, 1673-1678.	1.6	14
104	Surfactin effect on the physicochemical property of PC liposome. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 361, 90-95.	4.7	14
105	Structural characterization of rhamnolipid produced by Pseudonomas aeruginosa strain FIN2 isolated from oil reservoir water. World Journal of Microbiology and Biotechnology, 2014, 30, 1473-1484.	3.6	14
106	Synthesis of Anaerobic Degradation Biomarkers Alkyl-, Aryl- and Cycloalkylsuccinic Acids and Their Mass Spectral Characteristics. European Journal of Mass Spectrometry, 2014, 20, 287-297.	1.0	14
107	Significant enhancement of Pseudomonas aeruginosa FW_SH-1 lipase production using response surface methodology and analysis of its hydrolysis capability. Journal of the Taiwan Institute of Chemical Engineers, 2015, 52, 7-13.	5.3	14
108	Microbial communities responsible for fixation of CO2 revealed by using mcrA, cbbM, cbbL, fthfs, fefe-hydrogenase genes as molecular biomarkers in petroleum reservoirs of different temperatures. International Biodeterioration and Biodegradation, 2016, 114, 164-175.	3.9	14

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109	Different Diversity and Distribution of Archaeal Community in the Aqueous and Oil Phases of Production Fluid From High-Temperature Petroleum Reservoirs. Frontiers in Microbiology, 2018, 9, 841.	3.5	14
110	Simulation of in situ oil reservoir conditions in a laboratory bioreactor testing for methanogenic conversion of crude oil and analysis of the microbial community. International Biodeterioration and Biodegradation, 2019, 136, 24-33.	3.9	14
111	Influence of Sodium Ions on Micelles of Surfactinâ€C₁₆ in Solution. Journal of Surfactants and Detergents, 2009, 12, 31-36.	2.1	13
112	Evaluation of microbial community composition in thermophilic methane-producing incubation of production water from a high-temperature oil reservoir. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Tc	2.2	13
113	Micellization in binary biosurfactant/synthetic surfactant systems: Effects of temperature and hydrophobic group structure of alkyl benzenesulfonate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 174-184.	4.7	13
114	Functional microorganisms involved in the sulfur and nitrogen metabolism in production water from a high-temperature offshore petroleum reservoir. International Biodeterioration and Biodegradation, 2020, 154, 105057.	3.9	13
115	Long-chain n-alkane biodegradation coupling to methane production in an enriched culture from production water of a high-temperature oil reservoir. AMB Express, 2020, 10, 63.	3.0	13
116	Carrageenanâ€Based Hybrids with Biopolymers and Nanoâ€Structured Materials for Biomimetic Applications. Starch/Staerke, 2024, 76, .	2.1	13
117	Binding structure and kinetics of surfactin monolayer formed at the air/water interface to counterions: A molecular dynamics simulation study. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1955-1962.	2.6	12
118	Acetoclastic methanogenesis is likely the dominant biochemical pathway of palmitate degradation in the presence of sulfate. Applied Microbiology and Biotechnology, 2015, 99, 7757-7769.	3.6	12
119	Activation of CO2-reducing methanogens in oil reservoir after addition of nutrient. Journal of Bioscience and Bioengineering, 2016, 122, 740-747.	2.2	12
120	Microbial reduction of CO2 from injected NaH13CO3 with degradation of n-hexadecane in the enrichment culture derived from a petroleum reservoir. International Biodeterioration and Biodegradation, 2018, 127, 192-200.	3.9	12
121	Optimization of Surfactin Production by Bacillus subtilis HSO121 through Plackett-Burman and Response Surface Method. Protein and Peptide Letters, 2014, 21, 885-893.	0.9	12
122	Structural Analysis of the Lipopeptide Produced by the Bacillus subtilis Mutant R2-104 with Mutagenesis. Applied Biochemistry and Biotechnology, 2016, 179, 973-985.	2.9	11
123	Insights into the hydrogen generation from water-iron rock reactions at low temperature and the key limiting factors in the process. International Journal of Hydrogen Energy, 2019, 44, 18007-18018.	7.1	11
124	The newly proposed TACK and DPANN archaea detected in the production waters from a high-temperature petroleum reservoir. International Biodeterioration and Biodegradation, 2019, 143, 104729.	3.9	11
125	Key players in the methanogenic biodegradation of n-hexadecane identified by DNA-Stable isotope probing. International Biodeterioration and Biodegradation, 2019, 143, 104709.	3.9	11
126	The recovery of viscosity of HPAM solution in presence of high concentration sulfide ions. Journal of Petroleum Science and Engineering, 2020, 195, 107605.	4.2	11

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127	Assessment of Five Electronâ€Shuttling Molecules in the Extracellular Electron Transfer of Electromethanogenesis by using Methanosarcina barkeri. ChemElectroChem, 2020, 7, 3783-3789.	3.4	11
128	Structural Characterization of Lipopeptide Methyl Esters Produced by Bacillus licheniformis HSN 221. Chemistry and Biodiversity, 2010, 7, 2065-2075.	2.1	10
129	High microbial diversity of the nitric oxide dismutation reaction revealed by PCR amplification and analysis of the nod gene. International Biodeterioration and Biodegradation, 2019, 143, 104708.	3.9	10
130	One-Step Generation of Multisomes from Lipid-Stabilized Double Emulsions. ACS Applied Materials & Interfaces, 2021, 13, 6739-6747.	8.0	10
131	Microbial Lipopeptide-Producing Strains and Their Metabolic Roles under Anaerobic Conditions. Microorganisms, 2021, 9, 2030.	3.6	10
132	New evidence for a hydroxylation pathway for anaerobic alkane degradation supported by analyses of functional genes and signature metabolites in oil reservoirs. AMB Express, 2021, 11, 18.	3.0	10
133	Prospects of microbial polysaccharidesâ€based hybrid constructs for biomimicking applications. Journal of Basic Microbiology, 2022, 62, 1319-1336.	3.3	10
134	Characterization and evaluation of an oral microemulsion containing the antitumor diterpenoid compound ent-11alpha-hydroxy-15-oxo-kaur-16-en-19-oic-acid. International Journal of Nanomedicine, 2013, 8, 1879.	6.7	9
135	Migration Behavior of Lithium during Brine Evaporation and KCl Production Plants in Qarhan Salt Lake. Minerals (Basel, Switzerland), 2017, 7, 57.	2.0	9
136	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. Biogeosciences, 2019, 16, 4229-4241.	3.3	9
137	Effects of Molecular Structure on Surfactin Micellization Activity. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 1128-1134.	4.9	9
138	Aggregation behavior and surface morphology studies of surfactin in Langmuirâ€“Blodgett films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 49-54.	4.7	8
139	Type II chaperonin gene as a complementary barcode for 16S rRNA gene in study of Archaea diversity of petroleum reservoirs. International Biodeterioration and Biodegradation, 2017, 123, 113-120.	3.9	8
140	Dominance of Pseudomonas in bacterial community and inhibition of fumarate addition pathway by injection of nutrients in oil reservoir revealed by functional gene and their transcript analyses. International Biodeterioration and Biodegradation, 2020, 153, 105039.	3.9	8
141	Interaction between the natural lipopeptide [Glu1, Asp5] surfactin-C15 and hemoglobin: A spectroscopic and electrochemical investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 369, 154-159.	4.7	7
142	Synthesis and Characterization of Anaerobic Degradation Biomarkers of n-Alkanes via Hydroxylation/Carboxylation Pathways. European Journal of Mass Spectrometry, 2016, 22, 31-37.	1.0	7
143	A high yield method for the direct amidation of longâ€chain fatty acids. International Journal of Chemical Kinetics, 2020, 52, 99-108.	1.6	7
144	Insight into the Adsorption Mechanisms of CO2, CH4, and Their Mixtures on Kerogen Type IIIA. Energy & Fuels, 2020, 34, 14300-14311.	5.1	7

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145	Synthesis and Interfacial Properties of Bio-Based Zwitterionic Surfactants Derived from Different Fatty Acids in Non-Edible Vegetable Oils. Journal of Renewable Materials, 2020, 8, 417-429.	2.2	7
146	Formation of viscoelastic micellar solutions by a novel cationic surfactant and anionic salt system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125795.	4.7	7
147	Less bound cations and stable inner salt structure enhanced the salt tolerance of the bio-based zwitterionic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 635, 128074.	4.7	7
148	Stimulation of Bathyarchaeota in enrichment cultures by syringaldehyde, 4-hydroxybenzaldehyde and vanillin under anaerobic conditions. International Biodeterioration and Biodegradation, 2022, 171, 105409.	3.9	7
149	Quantification of Lipopeptides Using High-performance Liquid Chromatography with Fluorescence Detection after Derivatization. Analytical Sciences, 2015, 31, 377-382.	1.6	6
150	Insight into the shift and rearrangement of carbocation in Friedel-Crafts alkylation of unsaturated fatty acids revealed by GCâ€“MS. International Journal of Mass Spectrometry, 2017, 415, 85-91.	1.5	6
151	Propionate metabolism and diversity of relevant functional genes by in silico analysis and detection in subsurface petroleum reservoirs. World Journal of Microbiology and Biotechnology, 2017, 33, 182.	3.6	6
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