

Guo-qiang Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characterization of a polysaccharide hydrogel with high elasticity produced by a mutant strain <i>Sphingomonas sanxanigenens</i> NX03. <i>Carbohydrate Polymers</i> , 2022, 280, 119030.	10.2	3
2	Deep mining decreases the microbial taxonomic and functional diversity of subsurface oil reservoirs. <i>Science of the Total Environment</i> , 2022, 821, 153564.	8.0	6
3	Reclassification of <i>Enterobacter</i> sp. FY-07 as <i>Kosakonia oryzendophytica</i> FY-07 and Its Potential to Promote Plant Growth. <i>Microorganisms</i> , 2022, 10, 575.	3.6	5
4	Genetic and Comparative Genome Analysis of <i>Exiguobacterium aurantiacum</i> SW-20, a Petroleum-Degrading Bacteria with Salt Tolerance and Heavy Metal-Tolerance Isolated from Produced Water of Changqing Oilfield, China. <i>Microorganisms</i> , 2022, 10, 66.	3.6	10
5	CnnPOGTP: a novel CNN-based predictor for identifying the optimal growth temperatures of prokaryotes using only genomic <i>k</i> -mers distribution. <i>Bioinformatics</i> , 2022, 38, 3106-3108.	4.1	3
6	Directional and Adaptive Oil Self-Transport on a Multi-Bioinspired Grooved Conical Spine. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	34
7	Efficient simultaneous utilization of glucose and xylose from corn straw by <i>Sphingomonas sanxanigenens</i> NX02 to produce microbial exopolysaccharide. <i>Bioresource Technology</i> , 2021, 319, 124126.	9.6	22
8	Production of nisin-containing bacterial cellulose nanomaterials with antimicrobial properties through co-culturing <i>Enterobacter</i> sp. FY-07 and <i>Lactococcus lactis</i> N8. <i>Carbohydrate Polymers</i> , 2021, 251, 117131.	10.2	21
9	Temperature-controlled molecular weight of hyaluronic acid produced by engineered <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2021, 43, 271-277.	2.2	15
10	Nutrient Stimulation of Indigenous Microorganisms for Oil-in-Water Emulsion in a Medium Temperature Petroleum Reservoir with Ca ²⁺ -Rich Brine. <i>Geofluids</i> , 2021, 2021, 1-9.	0.7	1
11	Self-Propelled and Electrobraking Synergetic Liquid Manipulator toward Microsampling and Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14741-14751.	8.0	17
12	Thermostable and rheological properties of natural and genetically engineered xanthan gums in different solutions at high temperature. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1208-1217.	7.5	10
13	Disentangling the distinct mechanisms shaping the subsurface oil reservoir bacterial and archaeal communities across northern China. <i>Science of the Total Environment</i> , 2021, 789, 148074.	8.0	8
14	Stochastic assembly process dominates bacterial succession during a long-term microbial enhanced oil recovery. <i>Science of the Total Environment</i> , 2021, 790, 148203.	8.0	12
15	Highly efficient production of bacterial cellulose from corn stover total hydrolysate by <i>Enterobacter</i> sp. FY-07. <i>Bioresource Technology</i> , 2021, 341, 125781.	9.6	13
16	A fishbone-inspired liquid splitter enables directional droplet transportation and spontaneous separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9719-9728.	10.3	31
17	Bacterial and Archaeal Community Distribution in Oilfield Water Re-injection Facilities and the Influences from Microorganisms in Injected Water. <i>Microbial Ecology</i> , 2021, , 1.	2.8	1
18	Fabrication of emulsion gel based on polymer sanxan and its potential as a sustained-release delivery system for β -carotene. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 597-605.	7.5	18

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19	In situ production of bacterial cellulose/xanthan gum nanocomposites with enhanced productivity and properties using <i>Enterobacter</i> sp. FY-07. <i>Carbohydrate Polymers</i> , 2020, 248, 116788.	10.2	29
20	<i>Halomonas</i> plays a central role in the syntrophic community of an alkaline oil reservoir with alkali-surfactant-polymer (ASP) flooding. <i>Science of the Total Environment</i> , 2020, 747, 141333.	8.0	13
21	Cross-Species Bioinspired Anisotropic Surfaces for Active Droplet Transportation Driven by Unidirectional Microcolumn Waves. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42264-42273.	8.0	33
22	Microbial enhanced oil recovery through deep profile control using a conditional bacterial cellulose-producing strain derived from <i>Enterobacter</i> sp. FY-07. <i>Microbial Cell Factories</i> , 2020, 19, 59.	4.0	21
23	Effects of Air Injection on the Metabolic Activity of Emulsifier-Producing Bacteria from Oil Reservoirs. <i>Geofluids</i> , 2020, 2020, 1-9.	0.7	0
24	Regulation of hyaluronic acid molecular weight and titer by temperature in engineered <i>Bacillus subtilis</i> . <i>3 Biotech</i> , 2019, 9, 225.	2.2	21
25	Tailor-made polysaccharides containing uniformly distributed repeating units based on the xanthan gum skeleton. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 646-653.	7.5	29
26	Water-soluble phosphorus contributes significantly to shaping the community structure of rhizospheric bacteria in rocky desertification areas. <i>Scientific Reports</i> , 2019, 9, 18408.	3.3	11
27	Gel properties of xanthan containing a single repeating unit with saturated pyruvate produced by an engineered <i>Xanthomonas campestris</i> CGMCC 15155. <i>Food Hydrocolloids</i> , 2019, 87, 747-757.	10.7	20
28	Production of bacterial cellulose hydrogels with tailored crystallinity from <i>Enterobacter</i> sp. FY-07 by the controlled expression of colanic acid synthetic genes. <i>Carbohydrate Polymers</i> , 2019, 207, 563-570.	10.2	35
29	Construction and application of a <i>Xanthomonas campestris</i> CGMCC 15155 strain that produces white xanthan gum. <i>MicrobiologyOpen</i> , 2019, 8, e00631.	3.0	18
30	<i>Erythrobacter spongiae</i> sp. nov., isolated from marine sponge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1111-1116.	1.7	17
31	<i>Altererythrobacter spongiae</i> sp. nov., a novel member of the genus <i>Altererythrobacter</i> isolated from marine sponge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2043-2048.	1.7	7
32	Enhancement of transparent hydrogel sanxan production in <i>Sphingomonas sanxanigenens</i> NX02 via rational and random gene manipulation. <i>Carbohydrate Polymers</i> , 2018, 189, 210-217.	10.2	6
33	Succession of microbial communities and changes of incremental oil in a post-polymer flooded reservoir with nutrient stimulation. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2007-2017.	3.6	22
34	Heavy hydrocarbon degradation of crude oil by a novel thermophilic <i>Geobacillus stearothermophilus</i> strain A-2. <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 224-230.	3.9	40
35	The relative abundance of alkane-degrading bacteria oscillated similarly to a sinusoidal curve in an artificial ecosystem model from oil-well products. <i>Environmental Microbiology</i> , 2018, 20, 3772-3783.	3.8	5
36	The evolutionary life cycle of the polysaccharide biosynthetic gene cluster based on the <i>Sphingomonadaceae</i> . <i>Scientific Reports</i> , 2017, 7, 46484.	3.3	41

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37	Network structure and functional properties of transparent hydrogel sanxan produced by <i>Sphingomonas sanxanigenens</i> NX02. <i>Carbohydrate Polymers</i> , 2017, 176, 65-74.	10.2	25
38	Microstructural stability of heat-resistant high-pressure die-cast Mg-4Al-4Ce alloy. <i>International Journal of Materials Research</i> , 2017, 108, 427-430.	0.3	2
39	Compositions and Abundances of Sulfate-Reducing and Sulfur-Oxidizing Microorganisms in Water-Flooded Petroleum Reservoirs with Different Temperatures in China. <i>Frontiers in Microbiology</i> , 2017, 08, 143.	3.5	84
40	Use of Biosurfactants in Oil Recovery. , 2017, , 689-704.		0
41	An Exogenous Surfactant-Producing <i>Bacillus subtilis</i> Facilitates Indigenous Microbial Enhanced Oil Recovery. <i>Frontiers in Microbiology</i> , 2016, 7, 186.	3.5	34
42	Improved production of carotenoid-free welan gum in a genetic-engineered <i>Alcaligenes</i> sp. ATCC31555. <i>Biotechnology Letters</i> , 2016, 38, 991-997.	2.2	10
43	A novel bioemulsifier from <i>Geobacillus stearothermophilus</i> A-2 and its potential application in microbial enhanced oil recovery. <i>RSC Advances</i> , 2016, 6, 96347-96354.	3.6	4
44	Spatial isolation and environmental factors drive distinct bacterial and archaeal communities in different types of petroleum reservoirs in China. <i>Scientific Reports</i> , 2016, 6, 20174.	3.3	57
45	Bacterial cellulose synthesis mechanism of facultative anaerobe <i>Enterobacter</i> sp. FY-07. <i>Scientific Reports</i> , 2016, 6, 21863.	3.3	39
46	Structural and physical properties of sanxan polysaccharide from <i>Sphingomonas sanxanigenens</i> . <i>Carbohydrate Polymers</i> , 2016, 144, 410-418.	10.2	38
47	The simultaneous production of sphingan Ss and poly(R-3-hydroxybutyrate) in <i>Sphingomonas sanxanigenens</i> NX02. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 361-368.	7.5	22
48	Use of Biosurfactants in Oil Recovery. , 2016, , 1-16.		2
49	Microbial diversity and abundance in the Xinjiang Luliang long-term water-flooding petroleum reservoir. <i>MicrobiologyOpen</i> , 2015, 4, 332-342.	3.0	87
50	A novel mechanism of protein thermostability: a unique N-terminal domain confers heat resistance to Fe/Mn-SODs. <i>Scientific Reports</i> , 2015, 4, 7284.	3.3	15
51	Electrochemical Studies on De-Emulsification: Effect of a Biosurfactant Produced by <i>Bacillus subtilis</i> MO-1. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 907-912.	2.4	0
52	Microbial Abundance and Community Composition Influence Production Performance in a Low-Temperature Petroleum Reservoir. <i>Environmental Science & Technology</i> , 2014, 48, 5336-5344.	10.0	61
53	Dynamic processes of indigenous microorganisms from a low-temperature petroleum reservoir during nutrient stimulation. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 215-221.	2.2	25
54	Nutrients and oxygen alter reservoir biochemical characters and enhance oil recovery during biostimulation. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 2045-2054.	3.6	35

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55	Optimization of nutrient component for diesel oil degradation by <i>Acinetobacter beijerinckii</i> ZRS. <i>Marine Pollution Bulletin</i> , 2013, 76, 325-332.	5.0	42
56	Genetic Analysis of Benzothiophene Biodesulfurization Pathway of <i>Gordonia terrae</i> Strain C-6. <i>PLoS ONE</i> , 2013, 8, e84386.	2.5	34
57	Characterization of microbial diversity and community in water flooding oil reservoirs in China. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 3039-3052.	3.6	48
58	Sarcoglycosides Aa€%oâ€“â€%oC, New <i>O</i>â€Glycosylglycerol Derivatives from the South China Sea Soft Coral <i>Sarcophyton infundibuliforme</i>. <i>Helvetica Chimica Acta</i> , 2009, 92, 1495-1502.	1.6	19
59	LC Method for Analysis of Three Flavonols in Rat Plasma and Urine after Oral Administration of <i>Polygonum aviculare</i> Extract. <i>Chromatographia</i> , 2009, 69, 1251-1258.	1.3	8
60	PCRâ€DGGE method for analyzing the bacterial community in a high temperature petroleum reservoir. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1981-1987.	3.6	21
61	Improved biodesulfurization of hydrodesulfurized diesel oil using <i>Rhodococcus erythropolis</i> and <i>Gordonia</i> sp.. <i>Biotechnology Letters</i> , 2008, 30, 1759-1764.	2.2	34
62	Optimization of nutrient component for diesel oil degradation by <i>Rhodococcus erythropolis</i> . <i>Marine Pollution Bulletin</i> , 2008, 56, 1714-1718.	5.0	78
63	Genetic Rearrangement Strategy for Optimizing the Dibenzothiophene Biodesulfurization Pathway in <i>Rhodococcus erythropolis</i>. <i>Applied and Environmental Microbiology</i> , 2008, 74, 971-976.	3.1	60
64	Improvement of Dibenzothiophene Desulfurization Activity by Removing the Gene Overlap in the dsz Operon. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 849-854.	1.3	42
65	Cloning and expressing DBT (dibenzothiophene) monooxygenase gene (dszC) from <i>Rhodococcus</i> sp. DS-3 in <i>Escherichia coli</i> . <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2006, 1, 375-380.	0.2	3