Ibrahim M Banat

List of Publications by Year
in descending order

267 papers	24,932 citations	6254 80 h-index	7950 149 g-index
271 all docs	271 docs citations	271 times ranked	15793 citing authors

#	Article	IF	Citations
1	Assessment of Rheological Behaviour of Water-in-Oil Emulsions Mediated by Glycolipid Biosurfactant Produced by Bacillus megaterium SPSW1001. Applied Biochemistry and Biotechnology, 2022, 194, 1310-1326.	2.9	4
2	Complementary protein extraction methods increase the identification of the Park Grass Experiment metaproteome. Applied Soil Ecology, 2022, 173, 104388.	4.3	2
3	Biosurfactants aided bioremediation mechanisms: A mini-review. Soil and Sediment Contamination, 2022, 31, 801-817.	1.9	13
4	Biosurfactants as Anticancer Agents: Glycolipids Affect Skin Cells in a Differential Manner Dependent on Chemical Structure. Pharmaceutics, 2022, 14, 360.	4.5	21
5	Achieving Commercial Applications for Microbial Biosurfactants. Advances in Biochemical Engineering/Biotechnology, 2022, , 1.	1.1	2
6	Biosurfactants: Production, properties, applications, trends, and general perspectives. Biochemical Engineering Journal, 2022, 181, 108377.	3.6	127
7	The petroleum-degrading bacteria Alcaligenes aquatilis strain YGD 2906 as a potential source of lipopeptide biosurfactant. Fuel, 2021, 285, 119112.	6.4	13
8	Microbial biosurfactant research: time to improve the rigour in the reporting of synthesis, functional characterization and process development. Microbial Biotechnology, 2021, 14, 147-170.	4.2	61
9	Biosurfactants: The green generation of speciality chemicals and potential production using Solid-State fermentation (SSF) technology. Bioresource Technology, 2021, 320, 124222.	9.6	95
10	Lipopeptide Biosurfactant from Acinetobacter junii B6: A Promising Natural Surfactant for Promoting Angiogenesis. International Journal of Peptide Research and Therapeutics, 2021, 27, 1197-1203.	1.9	7
11	Altering the Hydrophobic/Hydrophilic Nature of Bioplastic Surfaces for Biomedical Applications. , 2021, , 431-466.		2
12	Toxicity Profiling of Biosurfactants Produced by Novel Marine Bacterial Strains. International Journal of Molecular Sciences, 2021, 22, 2383.	4.1	24
13	Pseudomonas aeruginosa PA80 is a cystic fibrosis isolate deficient in RhlRI quorum sensing. Scientific Reports, 2021, 11, 5729.	3.3	10
14	Recent Advances in Biomedical, Therapeutic and Pharmaceutical Applications of Microbial Surfactants. Pharmaceutics, 2021, 13, 466.	4.5	53
15	Congener-dependent conformations of isolated rhamnolipids at the vacuum-water interface: A molecular dynamics simulation. Journal of Colloid and Interface Science, 2021, 585, 148-157.	9.4	17
16	Carrierâ€Based Systems as Strategies for Oral Delivery of Therapeutic Peptides and Proteins: A Miniâ€Review. International Journal of Peptide Research and Therapeutics, 2021, 27, 1589-1596.	1.9	11
17	Valorization of biodiesel side stream waste glycerol for rhamnolipids production by Pseudomonas aeruginosa RS6. Environmental Pollution, 2021, 276, 116742.	7.5	26
18	Streptomyces Isolates from the Soil of an Ancient Irish Cure Site, Capable of Inhibiting Multi-Resistant Bacteria and Yeasts. Applied Sciences (Switzerland), 2021, 11, 4923.	2.5	4

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19	Production of green surfactants: Market prospects. Electronic Journal of Biotechnology, 2021, 51, 28-39.	2.2	159
20	Fungal biosurfactants, from nature to biotechnological product: bioprospection, production and potential applications. Bioprocess and Biosystems Engineering, 2021, 44, 2003-2034.	3.4	46
21	pH-Sensitive Polymer-Based Carriers as a Useful Approach for Oral Delivery of Therapeutic Protein: A Review. Protein and Peptide Letters, 2021, 28, 1230-1237.	0.9	7
22	Elucidate microbial characteristics in a full-scale treatment plant for offshore oil produced wastewater. PLoS ONE, 2021, 16, e0255836.	2.5	3
23	The Isolation of a Novel Streptomyces sp. CJ13 from a Traditional Irish Folk Medicine Alkaline Grassland Soil that Inhibits Multiresistant Pathogens and Yeasts. Applied Sciences (Switzerland), 2021, 11, 173.	2.5	7
24	Biosurfactantsâ€™ Potential Role in Combating COVID-19 and Similar Future Microbial Threats. Applied Sciences (Switzerland), 2021, 11, 334.	2.5	38
25	Biosurfactants: Opportunities for the development of a sustainable future. Current Opinion in Colloid and Interface Science, 2021, 56, 101514.	7.4	38
26	A Novel Approach to Enhance Crude Oil Recovery Ratio Using Selected Bacterial Species. Applied Sciences (Switzerland), 2021, 11, 10492.	2.5	3
27	Bioreactor Rhamnolipid Production Using Palm Oil Agricultural Refinery By-Products. Processes, 2021, 9, 2037.	2.8	6
28	Biodegradation potential of crude petroleum by hydrocarbonoclastic bacteria isolated from Soummam wadi sediment and chemical-biological proprieties of their biosurfactants. Journal of Petroleum Science and Engineering, 2020, 184, 106554.	4.2	19
29	The effect of sophorolipids against microbial biofilms on medical-grade silicone. Journal of Biotechnology, 2020, 309, 34-43.	3.8	40
30	The use of low-cost brewery waste product for the production of surfactin as a natural microbial biocide. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00537.	4.4	12
31	Microbial Biosurfactants in Cosmetic and Personal Skincare Pharmaceutical Formulations. Pharmaceutics, 2020, 12, 1099.	4.5	95
32	Microscopic Investigation of the Combined Use of Antibiotics and Biosurfactants on Methicillin Resistant Staphylococcus aureus. Frontiers in Microbiology, 2020, 11, 1477.	3.5	27
33	Recent developments in chitosan encapsulation of various active ingredients for multifunctional applications. Carbohydrate Research, 2020, 492, 108004.	2.3	104
34	Inhibitory Effects of Lipopeptides and Glycolipids on C. albicansâ€“Staphylococcus spp. Dual-Species Biofilms. Frontiers in Microbiology, 2020, 11, 545654.	3.5	26
35	Streptomyces from traditional medicine: sources of new innovations in antibiotic discovery. Journal of Medical Microbiology, 2020, 69, 1040-1048.	1.8	98
36	Potential Use of Microbial Surfactant in Microemulsion Drug Delivery System: A Systematic Review . Drug Design, Development and Therapy, 2020, Volume 14, 541-550.	4.3	75

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37	Biosynthesis of rhamnolipid by a Marinobacter species expands the paradigm of biosurfactant synthesis to a new genus of the marine microflora. Microbial Cell Factories, 2019, 18, 164.	4.0	51
38	Hydrogels For Peptide Hormones Delivery: Therapeutic And Tissue Engineering Applications . Drug Design, Development and Therapy, 2019, Volume 13, 3405-3418.	4.3	24
39	Quorum sensing as a potential target for increased production of rhamnolipid biosurfactant in Burkholderia thailandensis E264. Applied Microbiology and Biotechnology, 2019, 103, 6505-6517.	3.6	28
40	Tracking alterations of alkyl side chains of N₁ species in heavy crude oil after anaerobic biodegradation with negativeâ€ion electrospray ionization coupled with highâ€field Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 875-882.	1.5	1
41	Microbial biosurfactants: current trends and applications in agricultural and biomedical industries. Journal of Applied Microbiology, 2019, 127, 12-28.	3.1	238
42	Natural quorum sensing inhibitors effectively downregulate gene expression of Pseudomonas aeruginosa virulence factors. Applied Microbiology and Biotechnology, 2019, 103, 3521-3535.	3.6	152
43	Recent developments in bioreactor scale production of bacterial polyhydroxyalkanoates. Bioprocess and Biosystems Engineering, 2019, 42, 901-919.	3.4	34
44	Inhibition of pathogenic bacterial biofilms on PDMS based implants by L. acidophilus derived biosurfactant. BMC Microbiology, 2019, 19, 39.	3.3	59
45	The performance of surfactant mixtures at low temperatures. Journal of Colloid and Interface Science, 2019, 534, 64-71.	9.4	10
46	Reduced TCA cycle rates at high hydrostatic pressure hinder hydrocarbon degradation and obligate oil degraders in natural, deep-sea microbial communities. ISME Journal, 2019, 13, 1004-1018.	9.8	14
47	Antimicrobial and antibiofilm potential of biosurfactants as novel combination therapy against bacterium that cause skin infections. Access Microbiology, 2019, 1, .	0.5	2
48	Biorefining palm oil agricultural refinery waste for added value rhamnolipid production via fermentation. Industrial Crops and Products, 2018, 116, 64-72.	5.2	22
49	Biosurfactants: Production and potential applications in microbial enhanced oil recovery (MEOR). Biocatalysis and Agricultural Biotechnology, 2018, 14, 23-32.	3.1	224
50	Going Green and Cold: Biosurfactants from Low-Temperature Environments to Biotechnology Applications. Trends in Biotechnology, 2018, 36, 277-289.	9.3	139
51	Îcidogenic fermentation of wheat straw after chemical and microbial pretreatment for biofuel applications. Energy Conversion and Management, 2018, 160, 509-517.	9.2	19
52	Dynamics of a microbial community during an effective boost MEOR trial using high-throughput sequencing. RSC Advances, 2018, 8, 690-697.	3.6	7
53	<i>In situ</i> downstream strategies for costâ€effective bio/surfactant recovery. Biotechnology and Applied Biochemistry, 2018, 65, 523-532.	3.1	58
54	Optimization of washing conditions with biogenic mobilizing agents for marine fuel-contaminated beach sands. New Biotechnology, 2018, 43, 13-22.	4.4	11

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55	Biodiversity of Biosurfactants and Roles in Enhancing the (Bio)availability of Hydrophobic Substrates. , 2018, , 75-103.		7
56	Production of Biosurfactants by Hydrocarbons degrading bacteria isolated from Soummam watershed Sediments of Bejaia in Algeria. Environmental Progress and Sustainable Energy, 2018, 37, 189-195.	2.3	5
57	Polyhydroxyalkanoates: Characteristics, production, recent developments and applications. International Biodeterioration and Biodegradation, 2018, 126, 45-56.	3.9	456
58	A Novel Alkaliphilic Streptomyces Inhibits ESKAPE Pathogens. Frontiers in Microbiology, 2018, 9, 2458.	3.5	29
59	Lactobacillus acidophilus Derived Biosurfactant as a Biofilm Inhibitor: A Promising Investigation Using Microfluidic Approach. Applied Sciences (Switzerland), 2018, 8, 1555.	2.5	51
60	Fatty acid synthesis pathway provides lipid precursors for rhamnolipid biosynthesis in Burkholderia thailandensis E264. Applied Microbiology and Biotechnology, 2018, 102, 6163-6174.	3.6	20
61	Biosurfactant-facilitated leaching of metals from spent hydrodesulphurization catalyst. Journal of Applied Microbiology, 2018, 125, 1358-1369.	3.1	8
62	Marine derived biosurfactants: a vast potential future resource. Biotechnology Letters, 2018, 40, 1441-1457.	2.2	48
63	Rhamnolipids from <i>Pseudomonas aeruginosa</i> strain W10; as antibiofilm/antibiofouling products for metal protection. Journal of Basic Microbiology, 2017, 57, 364-375.	3.3	39
64	Adjuvant Antibiotic Activity of Acidic Sophorolipids with Potential for Facilitating Wound Healing. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	76
65	Antibacterial properties of sophorolipid-modified gold surfaces against Gram positive and Gram negative pathogens. Colloids and Surfaces B: Biointerfaces, 2017, 157, 325-334.	5.0	42
66	Microbial rhamnolipid production: a critical re-evaluation of published data and suggested future publication criteria. Applied Microbiology and Biotechnology, 2017, 101, 3941-3951.	3.6	84
67	Development of a Cradle-to-Grave Approach for Acetylated Acidic Sophorolipid Biosurfactants. ACS Sustainable Chemistry and Engineering, 2017, 5, 1186-1198.	6.7	69
68	Rhamnolipids from non-pathogenic Burkholderia thailandensis E264: Physicochemical characterization, antimicrobial and antibiofilm efficacy against oral hygiene related pathogens. New Biotechnology, 2017, 36, 26-36.	4.4	89
69	Enhanced rhamnolipid production in Burkholderia thailandensis transposon knockout strains deficient in polyhydroxyalkanoate (PHA) synthesis. Applied Microbiology and Biotechnology, 2017, 101, 8443-8454.	3.6	25
70	Adsorption at the Airâ€“Water Interface in Biosurfactantâ€“Surfactant Mixtures: Quantitative Analysis of Adsorption in a Five-Component Mixture. Langmuir, 2017, 33, 13027-13039.	3.5	15
71	Accelerated in vivo wound healing evaluation of microbial glycolipid containing ointment as a transdermal substitute. Biomedicine and Pharmacotherapy, 2017, 94, 1186-1196.	5.6	41
72	Porous cellulose as promoter of oil production by the oleaginous yeast Lipomyces starkeyi using mixed agroindustrial wastes. Bioresource Technology, 2017, 244, 629-634.	9.6	13

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73	Rhamnolipids and lactonic sophorolipids: natural antimicrobial surfactants for oral hygiene. Journal of Applied Microbiology, 2017, 123, 1111-1123.	3.1	77
74	Isolation, characterization, and optimization of biosurfactant production by an oil-degrading Acinetobacter junii B6 isolated from an Iranian oil excavation site. Biocatalysis and Agricultural Biotechnology, 2017, 12, 1-9.	3.1	51
75	Production and characterization of rhamnolipid using palm oil agricultural refinery waste. Bioresource Technology, 2017, 225, 99-105.	9.6	116
76	Self-assembly in dilute mixtures of non-ionic and anionic surfactants and rhamnolipd biosurfactants. Journal of Colloid and Interface Science, 2017, 487, 493-503.	9.4	16
77	Candida lipolytica UCP0988 Biosurfactant: Potential as a Bioremediation Agent and in Formulating a Commercial Related Product. Frontiers in Microbiology, 2017, 8, 767.	3.5	62
78	Yeasts and bacterial biosurfactants as demulsifiers for petroleum derivative in seawater emulsions. AMB Express, 2017, 7, 202.	3.0	29
79	Biodiversity of Biosurfactants and Roles in Enhancing the (Bio)availability of Hydrophobic Substrates. , 2017, , 1-29.		4
80	Bioactive Natural Products 2016. BioMed Research International, 2016, 2016, 1-2.	1.9	2
81	Biosurfactants: Promising Molecules for Petroleum Biotechnology Advances. Frontiers in Microbiology, 2016, 7, 1718.	3.5	231
82	Hydrocarbonoclastic Alcanivorax Isolates Exhibit Different Physiological and Expression Responses to n-dodecane. Frontiers in Microbiology, 2016, 7, 2056.	3.5	28
83	Resazurin-based 96-well plate microdilution method for the determination of minimum inhibitory concentration of biosurfactants. Biotechnology Letters, 2016, 38, 1015-1019.	2.2	404
84	Characterising rhamnolipid production in Burkholderia thailandensis E264, a non-pathogenic producer. Applied Microbiology and Biotechnology, 2016, 100, 7945-7956.	3.6	69
85	Deposit reduction in a high pour point oil reservoir due to the activity of indigenous bacterial communities. International Biodeterioration and Biodegradation, 2016, 110, 87-98.	3.9	9
86	Rhamnolipids and nutrients boost remediation of crude oil-contaminated soil by enhancing bacterial colonization and metabolic activities. International Biodeterioration and Biodegradation, 2016, 115, 192-198.	3.9	79
87	Biosurfactants: promising bioactive molecules for oral-related health applications. FEMS Microbiology Letters, 2016, 363, fnw213.	1.8	43
88	Biosurfactant/s from Lactobacilli species: Properties, challenges and potential biomedical applications. Journal of Basic Microbiology, 2016, 56, 1140-1158.	3.3	128
89	<i>Pseudomonas aeruginosa</i> biofilm disruption using microbial surfactants. Journal of Applied Microbiology, 2016, 120, 868-876.	3.1	66
90	Hydrolysis of olive mill waste to enhance rhamnolipids and surfactin production. Bioresource Technology, 2016, 205, 1-6.	9.6	64

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91	Effect of biosurfactants on Pseudomonas aeruginosa and Staphylococcus aureus biofilms in a BioFlux channel. Applied Microbiology and Biotechnology, 2016, 100, 5773-5779.	3.6	80
92	Antibacterial properties of biosurfactants against selected Gram-positive and -negative bacteria. FEMS Microbiology Letters, 2016, 363, fnv224.	1.8	125
93	Lactonic Sophorolipids Increase Tumor Burden in Apcmin+/- Mice. PLoS ONE, 2016, 11, e0156845.	2.5	33
94	Multiple Roles of Biosurfactants in Biofilms. Current Pharmaceutical Design, 2016, 22, 1429-1448.	1.9	56
95	Sophorolipids Production by Candida bombicola ATCC 22214 and its Potential Application in Microbial Enhanced Oil Recovery. Frontiers in Microbiology, 2015, 6, 1324.	3.5	118
96	Ethanol Production from Sugarcane Bagasse Using SSF Process and Thermotolerant Yeast. Transactions of the ASABE, 2015, , 193-200.	1.1	3
97	Isolation of Glycoprotein Bioemulsifiers Produced by Marine Bacteria. Springer Protocols, 2015, , 61-74.	0.3	1
98	Sophorolipid biosurfactants: Possible uses as antibacterial and antibiofilm agent. New Biotechnology, 2015, 32, 720-726.	4.4	182
99	Development and validation of an ultra-performance liquid chromatography tandem mass spectrometry (UPLC-MS/MS) method for the quantitative determination of rhamnolipid congeners. Applied Microbiology and Biotechnology, 2015, 99, 9177-9187.	3.6	34
100	Rhamnolipid and surfactin production from olive oil mill waste as sole carbon source. Bioresource Technology, 2015, 198, 231-236.	9.6	127
101	Some aspects of heavy metals contamination remediation and role of biosurfactants. Chemistry and Ecology, 2015, 31, 707-723.	1.6	140
102	The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. New Biotechnology, 2015, 32, 157-167.	4.4	48
103	Potential of a Funalia trogii laccase enzyme as an anticancer agent. Annals of Microbiology, 2015, 65, 175-183.	2.6	6
104	Metal Removal from Contaminated Soils Through Bioleaching with Oxidizing Bacteria and Rhamnolipid Biosurfactants. Soil and Sediment Contamination, 2015, 24, 16-29.	1.9	44
105	Potential therapeutic applications of microbial surface-active compounds. AIMS Bioengineering, 2015, 2, 144-162.	1.1	86
106	Medicinal Practice of Bioactive Compounds (Natural/Synthetic): An Insight into Gastrointestinal Disorders. BioMed Research International, 2014, 2014, 1-1.	1.9	0
107	Cost effective technologies and renewable substrates for biosurfactantsÃ¢â,¬â„¢ production. Frontiers in Microbiology, 2014, 5, 697.	3.5	360
108	Biosurfactant Mediated Biosynthesis of Selected Metallic Nanoparticles. International Journal of Molecular Sciences, 2014, 15, 13720-13737.	4.1	91

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109	Microbial biofilms: biosurfactants as antibiofilm agents. Applied Microbiology and Biotechnology, 2014, 98, 9915-9929.	3.6	177
110	Genomovar assignment of Pseudomonas stutzeri populations inhabiting produced oil reservoirs. MicrobiologyOpen, 2014, 3, 446-456.	3.0	8
111	Protocols for Measuring Biosurfactant Production in Microbial Cultures. Springer Protocols, 2014, , 119-128.	0.3	19
112	Protocols for the Detection and Chemical Characterisation of Microbial Glycolipids. Springer Protocols, 2014, , 29-60.	0.3	11
113	Protocols for the Isolation and Analysis of Lipopeptides and Bioemulsifiers. Springer Protocols, 2014, , 3-28.	0.3	4
114	Solid state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production. Food Chemistry, 2014, 145, 710-716.	8.2	148
115	Antimicrobial properties of sophorolipids produced by Candida Bombicola ATCC 22214 against gram positive and Gram-negative bacteria. New Biotechnology, 2014, 31, S66-S67.	4.4	5
116	Potential Microorganisms for Prevention of Paraffin Precipitation in a Hypersaline Oil Reservoir. Energy & Fuels, 2014, 28, 1191-1197.	5.1	24
117	Biosurfactant Use in Heavy Metal Removal from Industrial Effluents and Contaminated Sites. , 2014, , 361-370.		28
118	Influence of Calcium Ions on Rhamnolipid and Rhamnolipid/Anionic Surfactant Adsorption and Self-Assembly. Langmuir, 2013, 29, 3912-3923.	3.5	40
119	A Comparison of Effects of Broad-Spectrum Antibiotics and Biosurfactants on Established Bacterial Biofilms. Current Microbiology, 2013, 67, 614-623.	2.2	49
120	Microbial biosurfactants as additives for food industries. Biotechnology Progress, 2013, 29, 1097-1108.	2.6	227
121	Rhamnolipids are conserved biosurfactants molecules: implications for their biotechnological potential. Applied Microbiology and Biotechnology, 2013, 97, 7297-7306.	3.6	45
122	Microbial diversity in long-term water-flooded oil reservoirs with different in situ temperatures in China. Scientific Reports, 2012, 2, 760.	3.3	68
123	Biosurfactants: a sustainable replacement for chemical surfactants?. Biotechnology Letters, 2012, 34, 1597-1605.	2.2	358
124	Microbial biosurfactants: challenges and opportunities for future exploitation. Trends in Biotechnology, 2012, 30, 558-565.	9.3	418
125	Nano-Tubular Cellulose for Bioprocess Technology Development. PLoS ONE, 2012, 7, e34350.	2.5	57
126	Isolation of biosurfactant-producing Pseudomonas aeruginosa RS29 from oil-contaminated soil and evaluation of different nitrogen sources in biosurfactant production. Annals of Microbiology, 2012, 62, 753-763.	2.6	80

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127	Environmental fate, toxicity, characteristics and potential applications of novel bioemulsifiers produced by Variovorax paradoxus 7bCT5. Bioresource Technology, 2012, 108, 245-251.	9.6	59
128	Thermophilic bacteria in cool soils: metabolic activity and mechanisms of dispersal. , 2011, , 43-58.		4
129	Solution Self-Assembly of the Sophorolipid Biosurfactant and Its Mixture with Anionic Surfactant Sodium Dodecyl Benzene Sulfonate. Langmuir, 2011, 27, 8867-8877.	3.5	57
130	Adsorption of Sophorolipid Biosurfactants on Their Own and Mixed with Sodium Dodecyl Benzene Sulfonate, at the Air/Water Interface. Langmuir, 2011, 27, 8854-8866.	3.5	46
131	Geobacillus Activities in Soil and Oil Contamination Remediation. Soil Biology, 2011, , 259-270.	0.8	8
132	A study of anti-cancer effects of Funalia trogii in vitro and in vivo. Food and Chemical Toxicology, 2011, 49, 1477-1483.	3.6	35
133	Simultaneous saccharification and fermentation of Kanlow switchgrass by thermotolerant Kluyveromyces marxianus IMB3: The effect of enzyme loading, temperature and higher solid loadings. Bioresource Technology, 2011, 102, 10618-10624.	9.6	96
134	Application of biosurfactant produced from peanut oil cake by Lactobacillus delbrueckii in biodegradation of crude oil. Bioresource Technology, 2011, 102, 3366-3372.	9.6	159
135	Biosurfactant Production by Pseudomonas aeruginosa from Renewable Resources. Indian Journal of Microbiology, 2011, 51, 30-36.	2.7	80
136	Advances in utilization of renewable substrates for biosurfactant production. AMB Express, 2011, 1, 5.	3.0	321
137	Effect of biosurfactant and fertilizer on biodegradation of crude oil by marine isolates of Bacillus megaterium, Corynebacterium kutscheri and Pseudomonas aeruginosa. Bioresource Technology, 2011, 102, 772-778.	9.6	145
138	Microbial biosurfactants production, applications and future potential. Applied Microbiology and Biotechnology, 2010, 87, 427-444.	3.6	1,193
139	Directed microbial biosynthesis of deuterated biosurfactants and potential future application to other bioactive molecules. Applied Microbiology and Biotechnology, 2010, 87, 1347-1354.	3.6	36
140	Response of microbial community structure to microbial plugging in a mesothermic petroleum reservoir in China. Applied Microbiology and Biotechnology, 2010, 88, 1413-1422.	3.6	35
141	Surface properties and sub-surface aggregate assimilation of rhamnolipid surfactants in different aqueous systems. Biotechnology Letters, 2010, 32, 811-816.	2.2	36
142	Biosurfactants, bioemulsifiers and exopolysaccharides from marine microorganisms. Biotechnology Advances, 2010, 28, 436-450.	11.7	418
143	Production and applications of trehalose lipid biosurfactants. European Journal of Lipid Science and Technology, 2010, 112, 617-627.	1.5	218
144	Ethanol production through simultaneous saccharification and fermentation of switchgrass using Saccharomyces cerevisiae D5A and thermotolerant Kluyveromyces marxianus IMB strains. Bioresource Technology, 2010, 101, 2273-2279.	9.6	87

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145	Screening Of Kluyveromyces marxianus IMB Strains At Microaerophilic Conditions For Xylitol Production. , 2010, , .		0
146	Mixing Behavior of the Biosurfactant, Rhamnolipid, with a Conventional Anionic Surfactant, Sodium Dodecyl Benzene Sulfonate. Langmuir, 2010, 26, 17958-17968.	3.5	65
147	Solution Self-Assembly and Adsorption at the Airâ˘Water Interface of the Monorhamnose and Dirhamnose Rhamnolipids and Their Mixtures. Langmuir, 2010, 26, 18281-18292.	3.5	96
148	Methods for investigating biosurfactants and bioemulsifiers: a review. Critical Reviews in Biotechnology, 2010, 30, 127-144.	9.0	308
149	Possibilities and Challenges for Biosurfactants Use in Petroleum Industry. Advances in Experimental Medicine and Biology, 2010, 672, 135-145.	1.6	83
150	Applications of Biological Surface Active Compounds in Remediation Technologies. Advances in Experimental Medicine and Biology, 2010, 672, 121-134.	1.6	68
151	Characterization of rhamnolipids produced by aPseudomonas aeruginosamutant strain grown on waste oils. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 1367-1373.	1.7	53
152	Biosurfactant Production by Azotobacter chroococcum Isolated from the Marine Environment. Marine Biotechnology, 2009, 11, 551-556.	2.4	56
153	Effect of hydrothermolysis process conditions on pretreated switchgrass composition and ethanol yield by SSF with Kluyveromyces marxianus IMB4. Process Biochemistry, 2009, 44, 540-545.	3.7	70
154	Production and characterization of a glycolipid biosurfactant from Bacillus megaterium using economically cheaper sources. World Journal of Microbiology and Biotechnology, 2008, 24, 917-925.	3.6	106
155	Thermophilic bacteria in cool temperate soils: are they metabolically active or continually added by global atmospheric transport?. Applied Microbiology and Biotechnology, 2008, 78, 841-852.	3.6	64
156	Bioemulsifier production by a halothermophilic Bacillus strain with potential applications in microbially enhanced oil recovery. Biotechnology Letters, 2008, 30, 263-270.	2.2	101
157	Simultaneous saccharification and fermentation of Kanlow switchgrass pretreated by hydrothermolysis using <i>Kluyveromyces marxianus</i> IMB4. Biotechnology and Bioengineering, 2008, 101, 894-902.	3.3	85
158	Fermentation of xylose by the thermotolerant yeast strains Kluyveromyces marxianus IMB2, IMB4, and IMB5 under anaerobic conditions. Process Biochemistry, 2008, 43, 346-350.	3.7	54
159	Upgrading of discarded oranges through fermentation using kefir in food industry. Food Chemistry, 2008, 106, 40-49.	8.2	25
160	Lactic acid production by mixed cultures of Kluyveromyces marxianus, Lactobacillus delbrueckii ssp. bulgaricus and Lactobacillus helveticus. Bioresource Technology, 2008, 99, 5951-5955.	9.6	64
161	Production of Ethanol and Xylitol by Thermotolerant Kluyveromyces marxianus Strains using Xylose at 40 and 45Â°C.. , 2008, , .		0
162	Bioremediation of Petroleum Sludge using Bacterial Consortium with Biosurfactant. , 2007, , 391-408.		8

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163	Thermally enhanced approaches for bioremediation of hydrocarbon-contaminated soils. Chemosphere, 2007, 66, 179-184.	8.2	95
164	Strategies for the prevention of microbial biofilm formation on silicone rubber voice prostheses. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 81B, 358-370.	3.4	70
165	Use of Saccharomyces cerevisiae cells immobilized on orange peel as biocatalyst for alcoholic fermentation. Bioresource Technology, 2007, 98, 860-865.	9.6	108
166	Use of immobilized cell biocatalysts in baking. Process Biochemistry, 2007, 42, 1244-1249.	3.7	22
167	Whey-cheese production using freeze-dried kefir culture as a starter. Journal of Applied Microbiology, 2007, 103, 1170-1183.	3.1	39
168	Biosurfactant production by Corynebacterium kutscheri from waste motor lubricant oil and peanut oil cake. Letters in Applied Microbiology, 2007, 45, 686-691.	2.2	77
169	Biosurfactants: potential applications in medicine. Journal of Antimicrobial Chemotherapy, 2006, 57, 609-618.	3.0	781
170	The degradation of n-hexadecane in soil by thermophilic geobacilli. FEMS Microbiology Ecology, 2006, 56, 44-54.	2.7	61
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