Ibrahim M Banat

List of Publications by Year
in descending order

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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	Microbial decolorization of textile-dyecontaining effluents: A review. Bioresource Technology, 1996, 58, 217-227.	9.6	1,593
2	Potential commercial applications of microbial surfactants. Applied Microbiology and Biotechnology, 2000, 53, 495-508.	3.6	1,305
3	Microbial biosurfactants production, applications and future potential. Applied Microbiology and Biotechnology, 2010, 87, 427-444.	3.6	1,193
4	Biosurfactants: potential applications in medicine. Journal of Antimicrobial Chemotherapy, 2006, 57, 609-618.	3.0	781
5	Microbial decolourisation and degradation of textile dyes. Applied Microbiology and Biotechnology, 2001, 56, 81-87.	3.6	751
6	Biosurfactants production and possible uses in microbial enhanced oil recovery and oil pollution remediation: A review. Bioresource Technology, 1995, 51, 1-12.	9.6	623
7	Physical removal of textile dyes from effluents and solid-state fermentation of dye-adsorbed agricultural residues. Bioresource Technology, 2000, 72, 219-226.	9.6	537
8	Immobilization technologies and support materials suitable in alcohol beverages production: a review. Food Microbiology, 2004, 21, 377-397.	4.2	489
9	Polyhydroxyalkanoates: Characteristics, production, recent developments and applications. International Biodeterioration and Biodegradation, 2018, 126, 45-56.	3.9	456
10	Biosurfactants, bioemulsifiers and exopolysaccharides from marine microorganisms. Biotechnology Advances, 2010, 28, 436-450.	11.7	418
11	Microbial biosurfactants: challenges and opportunities for future exploitation. Trends in Biotechnology, 2012, 30, 558-565.	9.3	418
12	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
13	Enhanced bioremediation of n-alkane in petroleum sludge using bacterial consortium amended with rhamnolipid and micronutrients. Bioresource Technology, 2003, 90, 159-168.	9.6	387
14	Cost effective technologies and renewable substrates for biosurfactantsÃ¢â‚¬â„¢ production. Frontiers in Microbiology, 2014, 5, 697.	3.5	360
15	Biosurfactants: a sustainable replacement for chemical surfactants?. Biotechnology Letters, 2012, 34, 1597-1605.	2.2	358
16	Microbial process for the decolorization of textile effluent containing azo, diazo and reactive dyes. Process Biochemistry, 1996, 31, 435-442.	3.7	347
17	Towards efficient crude oil degradation by a mixed bacterial consortium. Bioresource Technology, 2002, 85, 257-261.	9.6	334
18	Advances in utilization of renewable substrates for biosurfactant production. AMB Express, 2011, 1, 5.	3.0	321

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19	Methods for investigating biosurfactants and bioemulsifiers: a review. Critical Reviews in Biotechnology, 2010, 30, 127-144.	9.0	308
20	Rhamnolipid Biosurfactant Production by Strains of Pseudomonas aeruginosa Using Low-Cost Raw Materials. Biotechnology Progress, 2002, 18, 1277-1281.	2.6	249
21	Microbial biosurfactants: current trends and applications in agricultural and biomedical industries. Journal of Applied Microbiology, 2019, 127, 12-28.	3.1	238
22	Biosurfactants: Promising Molecules for Petroleum Biotechnology Advances. Frontiers in Microbiology, 2016, 7, 1718.	3.5	231
23	Microbial biosurfactants as additives for food industries. Biotechnology Progress, 2013, 29, 1097-1108.	2.6	227
24	Biosurfactants: Production and potential applications in microbial enhanced oil recovery (MEOR). Biocatalysis and Agricultural Biotechnology, 2018, 14, 23-32.	3.1	224
25	Production and applications of trehalose lipid biosurfactants. European Journal of Lipid Science and Technology, 2010, 112, 617-627.	1.5	218
26	Bioremediation of gasoline contaminated soil by a bacterial consortium amended with poultry litter, coir pith and rhamnolipid biosurfactant. Bioresource Technology, 2002, 81, 25-32.	9.6	198
27	Isolation of thermotolerant, fermentative yeasts growing at 52ï¿½C and producing ethanol at 45ï¿½C and 50ï¿½C. World Journal of Microbiology and Biotechnology, 1992, 8, 259-263.	3.6	196
28	Sophorolipid biosurfactants: Possible uses as antibacterial and antibiofilm agent. New Biotechnology, 2015, 32, 720-726.	4.4	182
29	Characterization of biosurfactants and their use in pollution removal - State of the Art. (Review). Acta Biotechnologica, 1995, 15, 251-267.	0.9	180
30	Microbial biofilms: biosurfactants as antibiofilm agents. Applied Microbiology and Biotechnology, 2014, 98, 9915-9929.	3.6	177
31	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 809-821.	3.6	173
32	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
33	Production of green surfactants: Market prospects. Electronic Journal of Biotechnology, 2021, 51, 28-39.	2.2	159
34	Natural quorum sensing inhibitors effectively downregulate gene expression of Pseudomonas aeruginosa virulence factors. Applied Microbiology and Biotechnology, 2019, 103, 3521-3535.	3.6	152
35	Use of different methods for detection of thermophilic biosurfactant-producing bacteria from hydrocarbon-contaminated and bioremediated soils. Journal of Petroleum Science and Engineering, 2006, 50, 71-77.	4.2	149
36	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

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37	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
38	The isolation of a thermophilic biosurfactant producing Bacillus SP. Biotechnology Letters, 1993, 15, 591-594.	2.2	144
39	Some aspects of heavy metals contamination remediation and role of biosurfactants. Chemistry and Ecology, 2015, 31, 707-723.	1.6	140
40	Going Green and Cold: Biosurfactants from Low-Temperature Environments to Biotechnology Applications. Trends in Biotechnology, 2018, 36, 277-289.	9.3	139
41	Isolation of biosurfactant-producing bacteria, product characterization, and evaluation. Acta Biotechnologica, 1991, 11, 315-324.	0.9	128
42	Biosurfactant/s from Lactobacilli species: Properties, challenges and potential biomedical applications. Journal of Basic Microbiology, 2016, 56, 1140-1158.	3.3	128
43	Rhamnolipid and surfactin production from olive oil mill waste as sole carbon source. Bioresource Technology, 2015, 198, 231-236.	9.6	127
44	Biosurfactants: Production, properties, applications, trends, and general perspectives. Biochemical Engineering Journal, 2022, 181, 108377.	3.6	127
45	Antibacterial properties of biosurfactants against selected Gram-positive and -negative bacteria. FEMS Microbiology Letters, 2016, 363, fnv224.	1.8	125
46	Interference in adhesion of bacteria and yeasts isolated from explanted voice prostheses to silicone rubber by rhamnolipid biosurfactants. Journal of Applied Microbiology, 2006, 100, 470-480.	3.1	123
47	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
48	Production and characterization of rhamnolipid using palm oil agricultural refinery waste. Bioresource Technology, 2017, 225, 99-105.	9.6	116
49	Rhamnolipid production by a novel thermophilic hydrocarbon-degrading Pseudomonas aeruginosa AP02-1. Applied Microbiology and Biotechnology, 2006, 72, 132-138.	3.6	114
50	Sulfate Reduction and Methanogenesis in the Sediment of a Saltmarsh on the East Coast of the United Kingdom. Applied and Environmental Microbiology, 1982, 43, 987-996.	3.1	110
51	Decolorization of Remazol Black-B using a thermotolerant yeast, Kluyveromyces marxianus IMB3. Environment International, 2000, 26, 75-79.	10.0	109
52	Use of Saccharomyces cerevisiae cells immobilized on orange peel as biocatalyst for alcoholic fermentation. Bioresource Technology, 2007, 98, 860-865.	9.6	108
53	Decolorization and biodegradation of anaerobically digested sugarcane molasses spent wash effluent from biomethanation plants by white-rot fungi. Process Biochemistry, 1998, 33, 83-88.	3.7	106
54	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

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55	Biosurfactant production and use in oil tank clean-up. World Journal of Microbiology and Biotechnology, 1991, 7, 80-88.	3.6	104
56	Recent developments in chitosan encapsulation of various active ingredients for multifunctional applications. Carbohydrate Research, 2020, 492, 108004.	2.3	104
57	Antibiotic resistance of benthic bacteria in fish-farm and control sediments of the Western Mediterranean. Aquaculture, 2003, 219, 83-97.	3.5	102
58	Bioemulsifier production by a halothermophilic Bacillus strain with potential applications in microbially enhanced oil recovery. Biotechnology Letters, 2008, 30, 263-270.	2.2	101
59	The frequency and characteristics of highly thermophilic bacteria in cool soil environments. Environmental Microbiology, 2002, 4, 595-602.	3.8	100
60	Streptomyces from traditional medicine: sources of new innovations in antibiotic discovery. Journal of Medical Microbiology, 2020, 69, 1040-1048.	1.8	98
61	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
62	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
63	Evidence for Coexistence of Two Distinct Functional Groups of Sulfate-Reducing Bacteria in Salt Marsh Sediment. Applied and Environmental Microbiology, 1981, 42, 985-992.	3.1	96
64	Thermally enhanced approaches for bioremediation of hydrocarbon-contaminated soils. Chemosphere, 2007, 66, 179-184.	8.2	95
65	Microbial Biosurfactants in Cosmetic and Personal Skincare Pharmaceutical Formulations. Pharmaceutics, 2020, 12, 1099.	4.5	95
66	Biosurfactants: The green generation of speciality chemicals and potential production using Solid-State fermentation (SSF) technology. Bioresource Technology, 2021, 320, 124222.	9.6	95
67	High-temperature alcoholic fermentation of whey using Kluyveromyces marxianus IMB3 yeast immobilized on delignified cellulosic material. Bioresource Technology, 2002, 82, 177-181.	9.6	94
68	Geobacillus debilis sp. nov., a novel obligately thermophilic bacterium isolated from a cool soil environment, and reassignment of Bacillus pallidus to Geobacillus pallidus comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2197-2201.	1.7	93
69	Isolation of thermotolerant, osmotolerant, flocculating Saccharomyces cerevisiae for ethanol production. Bioresource Technology, 2000, 72, 43-46.	9.6	91
70	Biosurfactant Mediated Biosynthesis of Selected Metallic Nanoparticles. International Journal of Molecular Sciences, 2014, 15, 13720-13737.	4.1	91
71	Detection and Quantification of Gene Expression in Environmental Bacteriology. Applied and Environmental Microbiology, 2004, 70, 3795-3806.	3.1	90
72	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

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73	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
74	Potential therapeutic applications of microbial surface-active compounds. AIMS Bioengineering, 2015, 2, 144-162.	1.1	86
75	Simultaneous saccharification and fermentation of Kanlow switchgrass pretreated by hydrothermolysis using Kluyveromyces marxianus IMB4. Biotechnology and Bioengineering, 2008, 101, 894-902.	3.3	85
76	Habitat, applications and genomics of the aerobic, thermophilic genus Geobacillus. Biochemical Society Transactions, 2004, 32, 214-217.	3.4	84
77	Inhibition of microbial adhesion to silicone rubber treated with biosurfactant fromStreptococcus thermophilusA. FEMS Immunology and Medical Microbiology, 2006, 46, 107-112.	2.7	84
78	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
79	Possibilities and Challenges for Biosurfactants Use in Petroleum Industry. Advances in Experimental Medicine and Biology, 2010, 672, 135-145.	1.6	83
80	Decolourisation of effluent from the textile industry by a microbial consortium. Biotechnology Letters, 1996, 18, 117-120.	2.2	81
81	Characterization and potential industrial applications of five novel, thermotolerant, fermentative, yeast strains. World Journal of Microbiology and Biotechnology, 1995, 11, 304-306.	3.6	80
82	Biosurfactant Production by Pseudomonas aeruginosa from Renewable Resources. Indian Journal of Microbiology, 2011, 51, 30-36.	2.7	80
83	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
84	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
85	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
86	Occurrence of crude oil degrading bacteria in gasoline and diesel station soils. Journal of Basic Microbiology, 2002, 42, 284.	3.3	78
87	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
88	Rhamnolipids and lactonic sophorolipids: natural antimicrobial surfactants for oral hygiene. Journal of Applied Microbiology, 2017, 123, 1111-1123.	3.1	77
89	Adjuvant Antibiotic Activity of Acidic Sophorolipids with Potential for Facilitating Wound Healing. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	76
90	Bioremediation and decolorization of anaerobically digested distillery spent wash. Biotechnology Letters, 1997, 19, 311-314.	2.2	75

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91	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
92	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
93	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
94	Characterising rhamnolipid production in Burkholderia thailandensis E264, a non-pathogenic producer. Applied Microbiology and Biotechnology, 2016, 100, 7945-7956.	3.6	69
95	Development of a Cradle-to-Grave Approach for Acetylated Acidic Sophorolipid Biosurfactants. ACS Sustainable Chemistry and Engineering, 2017, 5, 1186-1198.	6.7	69
96	Microbial diversity in long-term water-flooded oil reservoirs with different in situ temperatures in China. Scientific Reports, 2012, 2, 760.	3.3	68
97	Applications of Biological Surface Active Compounds in Remediation Technologies. Advances in Experimental Medicine and Biology, 2010, 672, 121-134.	1.6	68
98	Pseudomonas aeruginosa biofilm disruption using microbial surfactants. Journal of Applied Microbiology, 2016, 120, 868-876.	3.1	66
99	Mixing Behavior of the Biosurfactant, Rhamnolipid, with a Conventional Anionic Surfactant, Sodium Dodecyl Benzene Sulfonate. Langmuir, 2010, 26, 17958-17968.	3.5	65
100	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
101	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
102	Hydrolysis of olive mill waste to enhance rhamnolipids and surfactin production. Bioresource Technology, 2016, 205, 1-6.	9.6	64
103	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
104	The degradation of n-hexadecane in soil by thermophilic geobacilli. FEMS Microbiology Ecology, 2006, 56, 44-54.	2.7	61
105	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
106	Continuous wine fermentation using a psychrophilic yeast immobilized on apple cuts at different temperatures. Food Microbiology, 2002, 19, 127-134.	4.2	59
107	Distribution and molecular investigation of highly thermophilic bacteria associated with cool soil environments. Biochemical Society Transactions, 2004, 32, 209-213.	3.4	59
108	Environmental fate, toxicity, characteristics and potential applications of novel bioemulsifiers produced by Variovorax paradoxus 7bCT5. Bioresource Technology, 2012, 108, 245-251.	9.6	59

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109	Inhibition of pathogenic bacterial biofilms on PDMS based implants by L. acidophilus derived biosurfactant. BMC Microbiology, 2019, 19, 39.	3.3	59
110	In situ downstream strategies for costâ€effective bio/surfactant recovery. Biotechnology and Applied Biochemistry, 2018, 65, 523-532.	3.1	58
111	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
112	Nano-Tubular Cellulose for Bioprocess Technology Development. PLoS ONE, 2012, 7, e34350.	2.5	57
113	Biosurfactant Production by Azotobacter chroococcum Isolated from the Marine Environment. Marine Biotechnology, 2009, 11, 551-556.	2.4	56
114	Multiple Roles of Biosurfactants in Biofilms. Current Pharmaceutical Design, 2016, 22, 1429-1448.	1.9	56
115	Isolation of thermotolerant ethanologenic yeasts and use of selected strains in industrial scale fermentation in an Egyptian distillery. Biotechnology and Bioengineering, 2000, 68, 531-535.	3.3	55
116	Hydrogen as an electron donor for sulfate-reducing bacteria in slurries of salt marsh sediment. Microbial Ecology, 1981, 7, 305-313.	2.8	54
117	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
118	The use of a thermotolerant fermentativeKluyveromyces marxianus IMB3 yeast strain for ethanol production. Acta Biotechnologica, 1996, 16, 215-223.	0.9	53
119	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
120	Recent Advances in Biomedical, Therapeutic and Pharmaceutical Applications of Microbial Surfactants. Pharmaceutics, 2021, 13, 466.	4.5	53
121	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
122	Lactobacillus acidophilus Derived Biosurfactant as a Biofilm Inhibitor: A Promising Investigation Using Microfluidic Approach. Applied Sciences (Switzerland), 2018, 8, 1555.	2.5	51
123	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
124	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 823-834.	3.6	50
125	A Comparison of Effects of Broad-Spectrum Antibiotics and Biosurfactants on Established Bacterial Biofilms. Current Microbiology, 2013, 67, 614-623.	2.2	49
126	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

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127	Marine derived biosurfactants: a vast potential future resource. Biotechnology Letters, 2018, 40, 1441-1457.	2.2	48
128	Wine production using yeast immobilized on quince biocatalyst at temperatures between 30 and 0ÂÂ°C. Food Chemistry, 2003, 82, 353-360.	8.2	47
129	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
130	Fungal biosurfactants, from nature to biotechnological product: bioprospection, production and potential applications. Bioprocess and Biosystems Engineering, 2021, 44, 2003-2034.	3.4	46
131	The isolation of thermophilic bacterial cultures capable of textile dyes decolorization. Environment International, 1997, 23, 547-551.	10.0	45
132	Rhamnolipids are conserved biosurfactants molecules: implications for their biotechnological potential. Applied Microbiology and Biotechnology, 2013, 97, 7297-7306.	3.6	45
133	Continuous Whey Fermentation Using Kefir Yeast Immobilized on Delignified Cellulosic Material. Journal of Agricultural and Food Chemistry, 2002, 50, 2543-2547.	5.2	44
134	Immobilization of yeast on dried raisin berries for use in dry white wine-making. Food Chemistry, 2004, 87, 11-15.	8.2	44
135	Metal Removal from Contaminated Soils Through Bioleaching with Oxidizing Bacteria and Rhamnolipid Biosurfactants. Soil and Sediment Contamination, 2015, 24, 16-29.	1.9	44
136	Hospital airborne microbial pollution in a desert country. Environment International, 1997, 23, 167-172.	10.0	43
137	Biosurfactants: promising bioactive molecules for oral-related health applications. FEMS Microbiology Letters, 2016, 363, fnw213.	1.8	43
138	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
139	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
140	Nutritional requirements and growth characteristics of a biosurfactant-producingRhodococcus bacterium. World Journal of Microbiology and Biotechnology, 1991, 7, 53-60.	3.6	40
141	Residential indoor airborne microbial populations in the United Arab Emirates. Environment International, 1997, 23, 529-533.	10.0	40
142	High alcohol production by repeated batch fermentation using an immobilized osmotolerant Saccharomyces cerevisiae. Journal of Industrial Microbiology and Biotechnology, 2000, 24, 222-226.	3.0	40
143	Influence of Calcium Ions on Rhamnolipid and Rhamnolipid/Anionic Surfactant Adsorption and Self-Assembly. Langmuir, 2013, 29, 3912-3923.	3.5	40
144	The effect of sophorolipids against microbial biofilms on medical-grade silicone. Journal of Biotechnology, 2020, 309, 34-43.	3.8	40

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145	The Potential of Bacterial Isolates for Emulsification with a Range of Hydrocarbons. Acta Biotechnologica, 2003, 23, 335-345.	0.9	39
146	Continuous winemaking fermentation using quince-immobilized yeast at room and low temperatures. Process Biochemistry, 2003, 39, 143-148.	3.7	39
147	Whey-cheese production using freeze-dried kefir culture as a starter. Journal of Applied Microbiology, 2007, 103, 1170-1183.	3.1	39
148	Rhamnolipids from Pseudomonas aeruginosa strain W10; as antibiofilm/antibiofouling products for metal protection. Journal of Basic Microbiology, 2017, 57, 364-375.	3.3	39
149	Biosurfactantsâ€™ Potential Role in Combating COVID-19 and Similar Future Microbial Threats. Applied Sciences (Switzerland), 2021, 11, 334.	2.5	38
150	Biosurfactants: Opportunities for the development of a sustainable future. Current Opinion in Colloid and Interface Science, 2021, 56, 101514.	7.4	38
151	Microbiologically Induced Corrosion of UNS N04400 in Seawater. Corrosion, 1993, 49, 63-73.	1.1	36
152	Low-temperature wine-making using yeast immobilized on pear pieces. Journal of the Science of Food and Agriculture, 2004, 84, 1615-1623.	3.5	36
153	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
154	Surface properties and sub-surface aggregate assimilation of rhamnolipid surfactants in different aqueous systems. Biotechnology Letters, 2010, 32, 811-816.	2.2	36
155	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
156	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
157	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
158	Recent developments in bioreactor scale production of bacterial polyhydroxyalkanoates. Bioprocess and Biosystems Engineering, 2019, 42, 901-919.	3.4	34
159	Lactonic Sophorolipids Increase Tumor Burden in Apcmin+/- Mice. PLoS ONE, 2016, 11, e0156845.	2.5	33
160	What are high-temperature bacteria doing in cold environments?. Trends in Microbiology, 2002, 10, 120-121.	7.7	31
161	An Evaluation of Soil Colonisation Potential of Selected Fungi and their Production of Ligninolytic Enzymes for Use in Soil Bioremediation Applications. Antonie Van Leeuwenhoek, 2006, 90, 147-158.	1.7	31
162	Biodegradation of Crude Oil by Nitrogen Fixing Marine Bacteria Azotobacter chroococcum. Research Journal of Microbiology, 2006, 1, 401-408.	0.2	31

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163	Post-Gulf-War assessment of nutrients, heavy metal ions, hydrocarbons, and bacterial pollution levels in the United Arab Emirates coastal waters. Environment International, 1998, 24, 109-116.	10.0	30
164	High-Temperature Wine Making Using the Thermotolerant Yeast Strain Kluyveromyces marxianus IMB3. Applied Biochemistry and Biotechnology, 2004, 112, 25-36.	2.9	30
165	Application of electrospray mass spectrometry in the detection and determination of Remazol textile dyes. Journal of Chromatography A, 1999, 854, 259-274.	3.7	29
166	Yeasts and bacterial biosurfactants as demulsifiers for petroleum derivative in seawater emulsions. AMB Express, 2017, 7, 202.	3.0	29
167	A Novel Alkaliphilic Streptomyces Inhibits ESKAPE Pathogens. Frontiers in Microbiology, 2018, 9, 2458.	3.5	29
168	Lead(II) uptake during baker's yeast production by aerobic fermentation of molasses. Process Biochemistry, 2003, 38, 1479-1482.	3.7	28
169	Biosurfactant Use in Heavy Metal Removal from Industrial Effluents and Contaminated Sites. , 2014, , 361-370.		28
170	Hydrocarbonoclastic Alcanivorax Isolates Exhibit Different Physiological and Expression Responses to n-dodecane. Frontiers in Microbiology, 2016, 7, 2056.	3.5	28
171	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
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