Dai Kitamoto

List of Publications by Citations

188 papers	6,870 citations	50 h-index	71 g-index
197 ext. papers	7,435 ext. citations	3.6 avg, IF	5.47 L-index

#	Paper	IF	Citations
188	Functions and potential applications of glycolipid biosurfactants from energy-saving materials to gene delivery carriers *Journal of Bioscience and Bioengineering*, **2002**, 94, 187-201	3.3	356
187	Self-assembling properties of glycolipid biosurfactants and their potential applications. *Current Opinion in Colloid and Interface Science*, **2009**, 14, 315-328	7.6	211
186	Surface active properties and antimicrobial activities of mannosylerythritol lipids as biosurfactants produced by Candida antarctica. *Journal of Biotechnology*, **1993**, 29, 91-96	3.7	200
185	Microbial extracellular glycolipid induction of differentiation and inhibition of the protein kinase C activity of human promyelocytic leukemia cell line HL60. *Bioscience, Biotechnology and Biochemistry*, **1997**, 61, 609-14	2.1	126
184	Production of new types of sophorolipids by Candida batistae. *Journal of Oleo Science*, **2008**, 57, 359-69	1.6	110
183	Coacervate formation from natural glycolipid: one acetyl group on the headgroup triggers coacervate-to-vesicle transition. *Journal of the American Chemical Society*, **2004**, 126, 10804-5	16.4	105
182	Discovery of Pseudozyma rugulosa NBRC 10877 as a novel producer of the glycolipid biosurfactants, mannosylerythritol lipids, based on rDNA sequence. *Applied Microbiology and Biotechnology*, **2006**, 73, 305-13	5.7	104
181	Differentiation of human promyelocytic leukemia cell line HL60 by microbial extracellular glycolipids. *Lipids*, **1997**, 32, 263-71	1.6	99
180	Aqueous-phase behavior of natural glycolipid biosurfactant mannosylerythritol lipid A: sponge, cubic, and lamellar phases. *Langmuir*, **2007**, 23, 1659-63	4	97
179	Microbial conversion of n-alkanes into glycolipid biosurfactants, mannosylerythritol lipids, by Pseudozyma (Candida antarctica). *Biotechnology Letters*, **2001**, 23, 1709-1714	3	95
178	Characterization of the genus Pseudozyma by the formation of glycolipid biosurfactants, mannosylerythritol lipids. *FEMS Yeast Research*, **2007**, 7, 286-92	3.1	94
177	Naturally engineered glycolipid biosurfactants leading to distinctive self-assembled structures. *Chemistry - A European Journal*, **2006**, 12, 2434-40	4.8	94
176	Extracellular accumulation of mannosylerythritol lipids by a strain of Candida antarctica.. *Agricultural and Biological Chemistry*, **1990**, 54, 31-36		94
175	Microbial production of glyceric acid, an organic acid that can be mass produced from glycerol. *Applied and Environmental Microbiology*, **2009**, 75, 7760-6	4.8	92
174	Improvement of ethanol selectivity of silicalite membrane in pervaporation by silicone rubber coating. *Journal of Membrane Science*, **2002**, 210, 433-437	9.6	85
173	Microbial conversion of glycerol into glycolipid biosurfactants, mannosylerythritol lipids, by a basidiomycete yeast, Pseudozyma antarctica JCM 10317(T). *Journal of Bioscience and Bioengineering*, **2007**, 104, 78-81	3.3	84
172	Functions and potential applications of glycolipid biosurfactants--from energy-saving materials to gene delivery carriers. *Journal of Bioscience and Bioengineering*, **2002**, 94, 187-201	3.3	82

171	Production of mannosylerythritol lipids and their application in cosmetics. *Applied Microbiology and Biotechnology*, **2013**, 97, 4691-700	5.7	81
170	Glycolipid biosurfactants, mannosylerythritol lipids, show antioxidant and protective effects against H(2)O(2)-induced oxidative stress in cultured human skin fibroblasts. *Journal of Oleo Science*, **2012**, 61, 457-64	1.6	80
169	Production of different types of mannosylerythritol lipids as biosurfactants by the newly isolated yeast strains belonging to the genus Pseudozyma. *Applied Microbiology and Biotechnology*, **2007**, 75, 521-31	5.7	76
168	Structural characterization and surface-active properties of a new glycolipid biosurfactant, mono-acylated mannosylerythritol lipid, produced from glucose by Pseudozyma antarctica. *Applied Microbiology and Biotechnology*, **2007**, 76, 801-10	5.7	76
167	Improved crown ether-based chiral stationary phase. *Journal of Chromatography A*, **1992**, 625, 101-108	4.5	76
166	Biosurfactant MEL-A dramatically increases gene transfection via membrane fusion. *Journal of Controlled Release*, **2004**, 94, 423-31	11.7	75
165	Biosurfactants of MEL-A increase gene transfection mediated by cationic liposomes. *Biochemical and Biophysical Research Communications*, **2001**, 289, 57-61	3.4	71
164	A basidiomycetous yeast, Pseudozyma tsukubaensis, efficiently produces a novel glycolipid biosurfactant. The identification of a new diastereomer of mannosylerythritol lipid-B. *Carbohydrate Research*, **2008**, 343, 555-60	2.9	70
163	Efficient preparation of liposomes encapsulating food materials using lecithins by a mechanochemical method. *Journal of Oleo Science*, **2006**, 56, 35-42	1.6	70
162	Production of mannosylerythritol lipids by Candida antarctica from vegetable oils.. *Agricultural and Biological Chemistry*, **1990**, 54, 37-40		68
161	Asymmetric catalysis by a new type of chiral binaphthol-titanium complex. *Tetrahedron Letters*, **1995**, 36, 1861-1864	2	65
160	Physiological differences in the formation of the glycolipid biosurfactants, mannosylerythritol lipids, between Pseudozyma antarctica and Pseudozyma aphidis. *Applied Microbiology and Biotechnology*, **2007**, 74, 307-15	5.7	63
159	Preparation of asymmetric polyimide membrane for water/ethanol separation in pervaporation by the phase inversion process. *Journal of Membrane Science*, **1994**, 86, 231-240	9.6	63
158	Production of glycolipid biosurfactants, mannosylerythritol lipids, by Pseudozyma siamensis CBS 9960 and their interfacial properties. *Journal of Bioscience and Bioengineering*, **2008**, 105, 493-502	3.3	60
157	Concentration of fermented ethanol by pervaporation using silicalite membranes coated with silicone rubber. *Desalination*, **2002**, 149, 49-54	10.3	60
156	Supported liquid membranes for enantioselective transport of amino acid mediated by chiral crown ether - effect of membrane solvent on transport rate and membrane stability. *Journal of Membrane Science*, **1993**, 84, 241-248	9.6	60
155	Production of highly concentrated ethanol in a coupled fermentation/pervaporation process using silicalite membranes. *Biotechnology Letters*, **1997**, 11, 921-924		58
154	Genome Sequence of the Basidiomycetous Yeast Pseudozyma antarctica T-34, a Producer of the Glycolipid Biosurfactants Mannosylerythritol Lipids. *Genome Announcements*, **2013**, 1, e0006413		56

153	Production of glycolipid biosurfactants by basidiomycetous yeasts. *Biotechnology and Applied Biochemistry*, **2009**, 53, 39-49	2.8	56
152	Glycolipid biosurfactants, mannosylerythritol lipids, repair the damaged hair. *Journal of Oleo Science*, **2010**, 59, 267-72	1.6	55
151	Contribution of a chain-shortening pathway to the biosynthesis of the fatty acids of mannosylerythritol lipid (biosurfactant) in the yeast Candida antarctica: Effect of β-oxidation inhibitors on biosurfactant synthesis. *Biotechnology Letters*, **1998**, 20, 813-818	3	55
150	Structural characterization and surface-active properties of a succinoyl trehalose lipid produced by Rhodococcus sp. SD-74. *Journal of Oleo Science*, **2009**, 58, 97-102	1.6	54
149	Efficient production of mannosylerythritol lipids with high hydrophilicity by Pseudozyma hubeiensis KM-59. *Applied Microbiology and Biotechnology*, **2008**, 78, 37-46	5.7	54
148	Preparation of polyacrylonitrile ultrafiltration membranes for wastewater treatment. *Desalination*, **2002**, 144, 53-59	10.3	54
147	Drastic improvement of bioethanol recovery using a pervaporation separation technique employing a silicone rubber-coated silicalite membrane. *Journal of Chemical Technology and Biotechnology*, **2003**, 78, 1006-1010	3.5	54
146	Mannosylerythritol lipids: production and applications. *Journal of Oleo Science*, **2015**, 64, 133-41	1.6	53
145	Biotechnological production of D-glyceric acid and its application. *Applied Microbiology and Biotechnology*, **2009**, 84, 445-52	5.7	53
144	Characterization of new types of mannosylerythritol lipids as biosurfactants produced from soybean oil by a basidiomycetous yeast, Pseudozyma shanxiensis. *Journal of Oleo Science*, **2007**, 56, 435-42	1.6	53
143	Formation of giant vesicles from diacylmannosylerythritols, and their binding to concanavalin A. *Chemical Communications*, **2000**, 861-862	5.8	53
142	Production of a novel glycolipid biosurfactant, mannosylmannitol lipid, by Pseudozyma parantarctica and its interfacial properties. *Applied Microbiology and Biotechnology*, **2009**, 83, 1017-25	5.7	52
141	Separation performance of polyimide composite membrane prepared by dip coating process. *Journal of Membrane Science*, **2001**, 188, 165-172	9.6	52
140	Aqueous-phase behavior and vesicle formation of natural glycolipid biosurfactant, mannosylerythritol lipid-B. *Colloids and Surfaces B: Biointerfaces*, **2008**, 65, 106-12	6	51
139	The moisturizing effects of glycolipid biosurfactants, mannosylerythritol lipids, on human skin. *Journal of Oleo Science*, **2012**, 61, 407-12	1.6	50
138	Biotransformation of glycerol to D-glyceric acid by Acetobacter tropicalis. *Applied Microbiology and Biotechnology*, **2009**, 81, 1033-9	5.7	50
137	Kinetic studies on the interactions between glycolipid biosurfactant assembled monolayers and various classes of immunoglobulins using surface plasmon resonance. *Colloids and Surfaces B: Biointerfaces*, **2007**, 58, 165-71	6	49
136	A yeast glycolipid biosurfactant, mannosylerythritol lipid, shows high binding affinity towards lectins on a self-assembled monolayer system. *Biotechnology Letters*, **2007**, 29, 473-80	3	49

135	Effects of preparation condition of photoinduced graft filling-polymerized membranes on pervaporation performance. *Journal of Membrane Science*, **2000**, 179, 69-77	9.6	48
134	A yeast glycolipid biosurfactant, mannosylerythritol lipid, shows potential moisturizing activity toward cultured human skin cells: the recovery effect of MEL-A on the SDS-damaged human skin cells. *Journal of Oleo Science*, **2009**, 58, 639-42	1.6	47
133	Extracellular Accumulation of Mannosylerythritol Lipids by a Strain ofCandida antarctica. *Agricultural and Biological Chemistry*, **1990**, 54, 31-36		47
132	Characterization of new glycolipid biosurfactants, tri-acylated mannosylerythritol lipids, produced by Pseudozyma yeasts. *Biotechnology Letters*, **2007**, 29, 1111-8	3	46
131	Isolation of Pseudozyma churashimaensis sp. nov., a novel ustilaginomycetous yeast species as a producer of glycolipid biosurfactants, mannosylerythritol lipids. *Journal of Bioscience and Bioengineering*, **2011**, 112, 137-44	3.3	43
130	Isolation of basidiomycetous yeast Pseudozyma tsukubaensis and production of glycolipid biosurfactant, a diastereomer type of mannosylerythritol lipid-B. *Applied Microbiology and Biotechnology*, **2010**, 88, 679-88	5.7	43
129	Identification of Pseudozyma graminicola CBS 10092 as a producer of glycolipid biosurfactants, mannosylerythritol lipids. *Journal of Oleo Science*, **2008**, 57, 123-31	1.6	43
128	Remarkable antiagglomeration effect of a yeast biosurfactant, diacylmannosylerythritol, on ice-water slurry for cold thermal storage. *Biotechnology Progress*, **2001**, 17, 362-5	2.8	43
127	Production of glyceric acid by Gluconobacter sp. NBRC3259 using raw glycerol. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 1799-805	2.1	42
126	NBD-conjugated biosurfactant (MEL-A) shows a new pathway for transfection. *Journal of Controlled Release*, **2007**, 123, 247-53	11.7	42
125	Production of mannosylerythritol lipids as biosurfactants by resting cells ofCandida antarctica. *Biotechnology Letters*, **1992**, 14, 305-310	3	42
124	Production of sophorolipid glycolipid biosurfactants from sugarcane molasses using Starmerella bombicola NBRC 10243. *Journal of Oleo Science*, **2011**, 60, 267-73	1.6	41
123	Liposomes encapsulating Aloe vera leaf gel extract significantly enhance proliferation and collagen synthesis in human skin cell lines. *Journal of Oleo Science*, **2009**, 58, 643-50	1.6	41
122	Mannosylerythritol lipids, yeast glycolipid biosurfactants, are potential affinity ligand materials for human immunoglobulin G. *Journal of Biomedical Materials Research Part B*, **2003**, 65, 379-85		41
121	Thermodynamically stable vesicle formation from glycolipid biosurfactant sponge phase. *Colloids and Surfaces B: Biointerfaces*, **2005**, 43, 115-21	6	40
120	Yeast extract stimulates production of glycolipid biosurfactants, mannosylerythritol lipids, by Pseudozyma hubeiensis SY62. *Journal of Bioscience and Bioengineering*, **2011**, 111, 702-5	3.3	39
119	Separation of Ethanol/Water Mixture by Silicalite Membrane. *Chemistry Letters*, **1992**, 21, 2413-2414	1.7	38
118	Formation of the two novel glycolipid biosurfactants, mannosylribitol lipid and mannosylarabitol lipid, by Pseudozyma parantarctica JCM 11752T. *Applied Microbiology and Biotechnology*, **2012**, 96, 931-8	5.7	36

117	Efficient production of di- and tri-acylated mannosylerythritol lipids as glycolipid biosurfactants by Pseudozyma parantarctica JCM 11752(T). *Journal of Oleo Science*, **2008**, 57, 557-65	1.6	36
116	Production of Glycolipid Biosurfactants, cellobiose lipids, by Cryptococcus humicola JCM 1461 and their interfacial properties. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1597-9	2.1	35
115	Monolayers assembled from a glycolipid biosurfactant from Pseudozyma (Candida) antarctica serve as a high-affinity ligand system for immunoglobulin G and M. *Biotechnology Letters*, **2007**, 29, 865-70	3	34
114	Emergence of nuclear heparanase induces differentiation of human mammary cancer cells. *Biochemical and Biophysical Research Communications*, **2005**, 331, 175-80	3.4	34
113	Preparation of Tubular Silicalite Membranes by Hydrothermal Synthesis with Electrophoretic Deposition as a Seeding Technique. *Journal of the American Ceramic Society*, **2006**, 89, 124-130	3.8	34
112	Production and characterization of a glycolipid biosurfactant, mannosylerythritol lipid B, from sugarcane juice by Ustilago scitaminea NBRC 32730. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1371-6	2.1	33
111	Preparation and pervaporation performance of polyimide composite membrane by vapor deposition and polymerization (VDP). *Journal of Membrane Science*, **1997**, 136, 121-126	9.6	33
110	Genome and transcriptome analysis of the basidiomycetous yeast Pseudozyma antarctica producing extracellular glycolipids, mannosylerythritol lipids. *PLoS ONE*, **2014**, 9, e86490	3.7	32
109	Production of glycolipid biosurfactants, mannosylerythritol lipids, by a smut fungus, Ustilago scitaminea NBRC 32730. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 788-92	2.1	32
108	Production of Mannosylerythritol Lipids by Candida antarctica from Vegetable Oils. *Agricultural and Biological Chemistry*, **1990**, 54, 37-40		32
107	Enzymatic synthesis of a novel glycolipid biosurfactant, mannosylerythritol lipid-D and its aqueous phase behavior. *Carbohydrate Research*, **2011**, 346, 266-71	2.9	31
106	Accumulation of cellobiose lipids under nitrogen-limiting conditions by two ustilaginomycetous yeasts, Pseudozyma aphidis and Pseudozyma hubeiensis. *FEMS Yeast Research*, **2013**, 13, 44-9	3.1	30
105	A basidiomycetous yeast, Pseudozyma crassa, produces novel diastereomers of conventional mannosylerythritol lipids as glycolipid biosurfactants. *Carbohydrate Research*, **2008**, 343, 2947-55	2.9	30
104	Disruption of the membrane-bound alcohol dehydrogenase-encoding gene improved glycerol use and dihydroxyacetone productivity in Gluconobacter oxydans. *Bioscience, Biotechnology and Biochemistry*, **2010**, 74, 1391-5	2.1	29
103	Enzymatic conversion of diacetylated sophoroselipid into acetylated glucoselipid: surface-active properties of novel bolaform biosurfactants. *Journal of Oleo Science*, **2010**, 59, 495-501	1.6	28
102	Highly concentrated aqueous ethanol solutions by pervaporation using silicalite membrane Improvement of ethanol selectivity by addition of sugars to ethanol solution. *Biotechnology Letters*, **1999**, 21, 1037-1041	3	28
101	Efficient Production of Acid-Form Sophorolipids from Waste Glycerol and Fatty Acid Methyl Esters by Candida floricola. *Journal of Oleo Science*, **2018**, 67, 489-496	1.6	27
100	Characterization and bioavailability of liposomes containing a ukon extract. *Bioscience, Biotechnology and Biochemistry*, **2008**, 72, 1199-205	2.1	27

99	Preparation of polyimide composite membranes grafted by electron beam irradiation. *Journal of Membrane Science*, **2004**, 232, 93-98	9.6	27
98	Phase behavior of ternary mannosylerythritol lipid/water/oil systems. *Colloids and Surfaces B: Biointerfaces*, **2009**, 68, 207-12	6	26
97	Biosurfactant-producing yeast isolated from Calyptogena soyoae (deep-sea cold-seep clam) in the deep sea. *Journal of Bioscience and Bioengineering*, **2010**, 110, 169-75	3.3	26
96	Identification of the gene PaEMT1 for biosynthesis of mannosylerythritol lipids in the basidiomycetous yeast Pseudozyma antarctica. *Yeast*, **2010**, 27, 905-17	3.4	24
95	Candida krusei produces ethanol without production of succinic acid; a potential advantage for ethanol recovery by pervaporation membrane separation. *FEMS Yeast Research*, **2008**, 8, 706-14	3.1	24
94	Electrophoretic Deposition Mechanism of YSZ/n-Propanol Suspension. *Journal of the Electrochemical Society*, **2005**, 152, J16	3.9	24
93	Bacterial production of short-chain organic acids and trehalose from levulinic acid: a potential cellulose-derived building block as a feedstock for microbial production. *Bioresource Technology*, **2015**, 177, 381-6	11	23
92	Activation of fibroblast and papilla cells by glycolipid biosurfactants, mannosylerythritol lipids. *Journal of Oleo Science*, **2010**, 59, 451-5	1.6	22
91	Mannosylerythritol lipid, a yeast extracellular glycolipid, shows high binding affinity towards human immunoglobulin G. *BMC Biotechnology*, **2001**, 1, 5	3.5	22
90	The diastereomers of mannosylerythritol lipids have different interfacial properties and aqueous phase behavior, reflecting the erythritol configuration. *Carbohydrate Research*, **2012**, 351, 81-6	2.9	21
89	Identification of Ustilago cynodontis as a new producer of glycolipid biosurfactants, mannosylerythritol lipids, based on ribosomal DNA sequences. *Journal of Oleo Science*, **2008**, 57, 549-56	1.6	21
88	Analysis of expressed sequence tags from the anamorphic basidiomycetous yeast, Pseudozyma antarctica, which produces glycolipid biosurfactants, mannosylerythritol lipids. *Yeast*, **2006**, 23, 661-71	3.4	21
87	Intracellular accumulation of mannosylerythritol lipids as storage materials by Candida antarctica. *Applied Microbiology and Biotechnology*, **1992**, 36, 768	5.7	21
86	Surfactant-like properties of an amphiphilic α-helical peptide leading to lipid nanodisc formation. *Langmuir*, **2014**, 30, 4752-9	4	20
85	Draft Genome Sequence of the Yeast Pseudozyma antarctica Type Strain JCM10317, a Producer of the Glycolipid Biosurfactants, Mannosylerythritol Lipids. *Genome Announcements*, **2014**, 2,		20
84	Production of sophorolipids from non-edible jatropha oil by Stamerella bombicola NBRC 10243 and evaluation of their interfacial properties. *Journal of Oleo Science*, **2013**, 62, 857-64	1.6	20
83	Production of a novel mannosylerythritol lipid containing a hydroxy fatty acid from castor oil by Pseudozyma tsukubaensis. *Journal of Oleo Science*, **2013**, 62, 381-9	1.6	20
82	Production of glycolipid biosurfactants, mannosylerythritol lipids, using sucrose by fungal and yeast strains, and their interfacial properties. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 2352-5	2.1	20

81	The ratio of unsaturated fatty acids in biosurfactants affects the efficiency of gene transfection. *International Journal of Pharmaceutics*, **2010**, 398, 225-30	6.5	20
80	Formation of W/O microemulsion based on natural glycolipid biosurfactant, mannosylerythritol lipid-a. *Journal of Oleo Science*, **2008**, 57, 55-9	1.6	20
79	Effects of biosurfactants, mannosylerythritol lipids, on the hydrophobicity of solid surfaces and infection behaviours of plant pathogenic fungi. *Journal of Applied Microbiology*, **2015**, 119, 215-24	4.7	19
78	Non-ionic surfactant modified cationic liposomes mediated gene transfection in vitro and in the mouse lung. *Biological and Pharmaceutical Bulletin*, **2009**, 32, 311-5	2.3	19
77	Fatty-acid Metabolism of Mannosylerythritol Lipids as Biosurfactants Produced by Candida antarctica. *Journal of Japan Oil Chemists Society*, **1993**, 42, 346-358		19
76	Deep-sea Rhodococcus sp. BS-15, lacking the phytopathogenic fas genes, produces a novel glucotriose lipid biosurfactant. *Marine Biotechnology*, **2014**, 16, 484-93	3.4	18
75	Rapid delivery of small interfering RNA by biosurfactant MEL-A-containing liposomes. *Biochemical and Biophysical Research Communications*, **2011**, 414, 635-40	3.4	18
74	Application of electrodialysis to glycerate recovery from a glycerol containing model solution and culture broth. *Journal of Bioscience and Bioengineering*, **2009**, 107, 425-8	3.3	18
73	Reliable production of highly concentrated bioethanol by a conjunction of pervaporation using a silicone rubber sheet-covered silicalite membrane with adsorption process. *Journal of Chemical Technology and Biotechnology*, **2004**, 79, 896-901	3.5	18
72	Stabilization of bioethanol recovery with silicone rubber-coated ethanol-permselective silicalite membranes by controlling the pH of acidic feed solution. *Journal of Chemical Technology and Biotechnology*, **2005**, 80, 381-387	3.5	18
71	Production of D-arabitol from raw glycerol by Candida quercitrusa. *Applied Microbiology and Biotechnology*, **2014**, 98, 2947-53	5.7	17
70	Biosurfactant mannosyl-erythritol lipid inhibits secretion of inflammatory mediators from RBL-2H3 cells. *Biochimica Et Biophysica Acta - General Subjects*, **2011**, 1810, 1302-8	4	17
69	Convenient transformation of anamorphic basidiomycetous yeasts belonging to genus pseudozyma induced by electroporation. *Journal of Bioscience and Bioengineering*, **2007**, 104, 517-20	3.3	17
68	Production of mannitol from raw glycerol by Candida azyma. *Journal of Bioscience and Bioengineering*, **2014**, 117, 725-9	3.3	16
67	Mannosylerythritol lipids secreted by phyllosphere yeast Pseudozyma antarctica is associated with its filamentous growth and propagation on plant surfaces. *Applied Microbiology and Biotechnology*, **2014**, 98, 6419-29	5.7	16
66	Bioprocessing of glycerol into glyceric Acid for use in bioplastic monomer. *Journal of Oleo Science*, **2011**, 60, 369-73	1.6	16
65	Packing density of glycolipid biosurfactant monolayers give a significant effect on their binding affinity toward immunoglobulin G. *Journal of Oleo Science*, **2008**, 57, 415-22	1.6	16
64	Preparation of photo-induced graft filling polymerized membranes for pervaporation using polyimide with benzophenone structure. *Journal of Membrane Science*, **2002**, 203, 191-199	9.6	16

63	Use of a Gluconobacter frateurii mutant to prevent dihydroxyacetone accumulation during glyceric acid production from glycerol. *Bioscience, Biotechnology and Biochemistry*, **2010**, 74, 2330-2	2.1	15
62	Biosurfactant-producing yeasts widely inhabit various vegetables and fruits. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 516-23	2.1	14
61	Selective Production of Acid-form Sophorolipids from Glycerol by Candida floricola. *Journal of Oleo Science*, **2017**, 66, 1365-1373	1.6	14
60	Isolation and screening of glycolipid biosurfactant producers from sugarcane. *Bioscience, Biotechnology and Biochemistry*, **2012**, 76, 1788-91	2.1	14
59	Selective encapsulation of cesium ions using the cyclic peptide moiety of surfactin: Highly efficient removal based on an aqueous giant micellar system. *Colloids and Surfaces B: Biointerfaces*, **2015**, 134, 59-64	6	13
58	Spontaneous vesicle formation from sodium salt of acidic sophorolipid and its application as a skin penetration enhancer. *Journal of Oleo Science*, **2014**, 63, 141-7	1.6	13
57	Synthesis and evaluation of dioleoyl glyceric acids showing antitrypsin activity. *Journal of Oleo Science*, **2011**, 60, 327-31	1.6	13
56	Two-stage electrodialytic concentration of glyceric acid from fermentation broth. *Journal of Bioscience and Bioengineering*, **2010**, 110, 690-5	3.3	13
55	Control of enzymatic degradation of biodegradable polymers by treatment with biosurfactants, mannosylerythritol lipids, derived from Pseudozyma spp. yeast strains. *Applied Microbiology and Biotechnology*, **2016**, 100, 1733-1741	5.7	12
54	Chemical mutagenesis of Gluconobacter frateurii to construct methanol-resistant mutants showing glyceric acid production from methanol-containing glycerol. *Journal of Bioscience and Bioengineering*, **2014**, 117, 197-199	3.3	12
53	Synergistic effect of a biosurfactant and protamine on gene transfection efficiency. *European Journal of Pharmaceutical Sciences*, **2013**, 49, 1-9	5.1	12
52	Application of yeast glycolipid biosurfactant, mannosylerythritol lipid, as agrospreaders. *Journal of Oleo Science*, **2015**, 64, 689-95	1.6	12
51	Low molecular weight gelators based on biosurfactants, cellobiose lipids by Cryptococcus humicola. *Journal of Oleo Science*, **2012**, 61, 659-64	1.6	12
50	Preparation of the silicalite membranes using a seeding technique under various hydrothermal conditions. *Desalination*, **2002**, 144, 47-52	10.3	12
49	Aqueous gel formation from sodium salts of cellobiose lipids. *Journal of Oleo Science*, **2014**, 63, 1005-10	1.6	12
48	Isolation and characterization of bacterial strains with the ability to utilize high concentrations of levulinic acid, a platform chemical from inedible biomass. *Bioscience, Biotechnology and Biochemistry*, **2015**, 79, 1552-5	2.1	11
47	Characterization of mannosylerythritol lipids containing hexadecatetraenoic acid produced from cuttlefish oil by Pseudozyma churashimaensis OK96. *Journal of Oleo Science*, **2013**, 62, 319-27	1.6	11
46	Processing of ethanol fermentation broths by Candida krusei to separate bioethanol by pervaporation using silicone rubber-coated silicalite membranes. *Journal of Chemical Technology and Biotechnology*, **2009**, 84, 1172-1177	3.5	11

45	Synthesis and interfacial properties of monoacyl glyceric acids as a new class of green surfactants. *Journal of Oleo Science*, **2012**, 61, 343-8	1.6	11
44	Selective formation of mannosyl-L-arabitol lipid by Pseudozyma tsukubaensis JCM16987. *Applied Microbiology and Biotechnology*, **2015**, 99, 5833-41	5.7	10
43	Change in product selectivity during the production of glyceric acid from glycerol by Gluconobacter strains in the presence of methanol. *AMB Express*, **2013**, 3, 20	4.1	10
42	Minimum amino acid residues of an □helical peptide leading to lipid nanodisc formation. *Journal of Oleo Science*, **2014**, 63, 1203-8	1.6	10
41	Interdigitated lamella and bicontinuous cubic phases formation from natural cyclic surfactin and its linear derivative. *Journal of Oleo Science*, **2013**, 62, 499-503	1.6	10
40	Accelerated ethanol fermentation by Saccharomyces cerevisiae with addition of activated carbon. *Biotechnology Letters*, **2000**, 22, 1661-1665	3	10
39	Effect of cerulenin on the production of mannosyl-erythritol lipids as biosurfactants by Candida antarctica. *Biotechnology Letters*, **1995**, 17, 25-30	3	10
38	Preparation of Silicalite Pervaporation Membrane With High Ethanol Permselectivity.. *Membrane*, **1998**, 23, 259-265	0	10
37	Draft Genome Sequence of the Yeast Starmerella bombicola NBRC10243, a Producer of Sophorolipids, Glycolipid Biosurfactants. *Genome Announcements*, **2015**, 3,		9
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