

Hiroshi Habe

List of Publications by Year in descending order

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160
papers

4,623
citations

94433

37
h-index

128289

60
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all docs

162
docs citations

162
times ranked

3510
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetics of Polycyclic Aromatic Hydrocarbon Metabolism in Diverse Aerobic Bacteria. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 225-243.	1.3	370
2	The unique aromatic catabolic genes in sphingomonads degrading polycyclic aromatic hydrocarbons(PAHs).. <i>Journal of General and Applied Microbiology</i> , 2003, 49, 1-19.	0.7	189
3	Complete Nucleotide Sequence of Carbazole/Dioxin-degrading Plasmid pCAR1 in <i>Pseudomonas resinovorans</i> Strain CA10 Indicates its Mosaicity and the Presence of Large Catabolic Transposon Tn4676. <i>Journal of Molecular Biology</i> , 2003, 326, 21-33.	4.2	153
4	Identification of novel metabolites in the degradation of phenanthrene by <i>Sphingomonas</i> sp. strain P2. <i>FEMS Microbiology Letters</i> , 2000, 191, 115-121.	1.8	126
5	Microbial Production of Glyceric Acid, an Organic Acid That Can Be Mass Produced from Glycerol. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7760-7766.	3.1	108
6	Degradation of Chlorinated Dibenzofurans and Dibenzo- <i>p</i> -Dioxins by Two Types of Bacteria Having Angular Dioxygenases with Different Features. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3610-3617.	3.1	107
7	Genetic Characterization and Evolutionary Implications of a <i>car</i> Gene Cluster in the Carbazole Degradator <i>Pseudomonas</i> sp. Strain CA10. <i>Journal of Bacteriology</i> , 2001, 183, 3663-3679.	2.2	103
8	New Classification System for Oxygenase Components Involved in Ring-Hydroxylating Oxygenations. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 254-263.	1.3	91
9	Structure of the Terminal Oxygenase Component of Angular Dioxygenase, Carbazole 1,9a-Dioxygenase. <i>Journal of Molecular Biology</i> , 2005, 351, 355-370.	4.2	86
10	Identification of three novel salicylate 1-hydroxylases involved in the phenanthrene degradation of <i>Sphingobium</i> sp. strain P2. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 350-357.	2.1	85
11	<i>Sphingomonas</i> sp. strain KA1, carrying a carbazole dioxygenase gene homologue, degrades chlorinated dibenzo- <i>p</i> -dioxins in soil. <i>FEMS Microbiology Letters</i> , 2002, 211, 43-49.	1.8	83
12	Characterization of the Replication, Maintenance, and Transfer Features of the IncP-7 Plasmid pCAR1, Which Carries Genes Involved in Carbazole and Dioxin Degradation. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3206-3216.	3.1	80
13	Isolation and Characterization of the Genes Encoding a Novel Oxygenase Component of Angular Dioxygenase from the Gram-Positive Dibenzofuran-Degradator <i>Terrabacter</i> sp. Strain DBF63. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 195-204.	2.1	79
14	Purification and Characterization of Carbazole 1,9a-Dioxygenase, a Three-Component Dioxygenase System of <i>Pseudomonas resinovorans</i> Strain CA10. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5882-5890.	3.1	76
15	Biotechnological production of d-glyceric acid and its application. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 445-452.	3.6	70
16	Bacterial degradation of aromatic compounds via angular dioxygenation.. <i>Journal of General and Applied Microbiology</i> , 2001, 47, 279-305.	0.7	66
17	Transcriptional Regulation of the <i>ant</i> Operon, Encoding Two-Component Anthranilate 1,2-Dioxygenase, on the Carbazole-Degradative Plasmid pCAR1 of <i>Pseudomonas resinovorans</i> Strain CA10. <i>Journal of Bacteriology</i> , 2004, 186, 6815-6823.	2.2	66
18	Electron Transfer Complex Formation between Oxygenase and Ferredoxin Components in Rieske Nonheme Iron Oxygenase System. <i>Structure</i> , 2006, 14, 1779-1789.	3.3	65

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19	Characterization of Novel Carbazole Catabolism Genes from Gram-Positive Carbazole Degraders <i>Nocardioides aromaticivorans</i> IC177. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3321-3329.	3.1	58
20	Recipient Range of IncP-7 Conjugative Plasmid pCAR2 from <i>Pseudomonas putida</i> HS01 is Broader than from Other <i>Pseudomonas</i> Strains. <i>Biotechnology Letters</i> , 2005, 27, 1847-1853.	2.2	57
21	Diversity of carbazole-degrading bacteria having the <i>car</i> gene cluster: Isolation of a novel gram-positive carbazole-degrading bacterium. <i>FEMS Microbiology Letters</i> , 2005, 245, 145-153.	1.8	56
22	Biotransformation of glycerol to d-glyceric acid by <i>Acetobacter tropicalis</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 1033-1039.	3.6	56
23	The <i>Sphingomonas</i> Plasmid pCAR3 Is Involved in Complete Mineralization of Carbazole. <i>Journal of Bacteriology</i> , 2007, 189, 2007-2020.	2.2	55
24	Cloning, nucleotide sequence, and characterization of the genes encoding enzymes involved in the degradation of cumene to 2-hydroxy-6-oxo-7-methylocta-2,4-dienoic acid in <i>Pseudomonas fluorescens</i> IP01. <i>Journal of Bioscience and Bioengineering</i> , 1996, 81, 187-196.	0.9	52
25	Production of Glyceric Acid by <i>Gluconobacter</i> sp. NBRC3259 Using Raw Glycerol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1799-1805.	1.3	49
26	Genes involved in the synthesis of the exopolysaccharide methanolan by the obligate methylotroph <i>Methylobacillus</i> sp. strain 12S. <i>Microbiology (United Kingdom)</i> , 2003, 149, 431-444.	1.8	49
27	Divergent Structures of Carbazole Degradative <i>car</i> Operons Isolated from Gram-negative Bacteria. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1467-1480.	1.3	48
28	Large plasmid pCAR2 and class II transposon Tn4676 are functional mobile genetic elements to distribute the carbazole/dioxin-degradative <i>car</i> gene cluster in different bacteria. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 370-382.	3.6	45
29	Genome and Transcriptome Analysis of the Basidiomycetous Yeast <i>Pseudozyma antarctica</i> Producing Extracellular Glycolipids, Mannosylerythritol Lipids. <i>PLoS ONE</i> , 2014, 9, e86490.	2.5	45
30	Isolation and characterization of genes encoding polycyclic aromatic hydrocarbon dioxygenase from acenaphthene and acenaphthylene degrading sp. strain A4. <i>FEMS Microbiology Letters</i> , 2004, 238, 297-305.	1.8	43
31	Characterization of the Upper Pathway Genes for Fluorene Metabolism in <i>Terrabacter</i> sp. Strain DBF63. <i>Journal of Bacteriology</i> , 2004, 186, 5938-5944.	2.2	42
32	Plasmid pCAR3 Contains Multiple Gene Sets Involved in the Conversion of Carbazole to Anthranilate. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3198-3205.	3.1	42
33	Identification of active and taxonomically diverse 1,4-dioxane degraders in a full-scale activated sludge system by high-sensitivity stable isotope probing. <i>ISME Journal</i> , 2018, 12, 2376-2388.	9.8	42
34	Hydraulic retention time and pH affect the performance and microbial communities of passive bioreactors for treatment of acid mine drainage. <i>AMB Express</i> , 2017, 7, 142.	3.0	41
35	Isolation and characterization of an alkaliphilic bacterium utilizing pyrene as a carbon source. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 306-308.	2.2	40
36	Crystal structure of the ferredoxin component of carbazole 1,9a-dioxygenase of <i>Pseudomonas resinovorans</i> strain CA10, a novel Rieske non-heme iron oxygenase system. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 58, 779-789.	2.6	40

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37	High-resolution phylogenetic analysis of residual bacterial species of fouled membranes after NaOCl cleaning. <i>Water Research</i> , 2016, 94, 166-175.	11.3	40
38	Dioxin catabolic genes are dispersed on the <i>Terrabacter</i> sp. DBF63 genome. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 233-240.	2.1	37
39	Isolation and characterization of genes encoding polycyclic aromatic hydrocarbon dioxygenase from acenaphthene and acenaphthylene degrading <i>Sphingomonas</i> sp. strain A4. <i>FEMS Microbiology Letters</i> , 2004, 238, 297-305.	1.8	37
40	Architecture, component, and microbiome of biofilm involved in the fouling of membrane bioreactors. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 5.	6.4	37
41	Quantification of the carbazole 1,9a-dioxygenase gene by real-time competitive PCR combined with co-extraction of internal standards. <i>FEMS Microbiology Letters</i> , 2001, 202, 51-57.	1.8	36
42	Fine-scale monitoring of shifts in microbial community composition after high organic loading in a pilot-scale membrane bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 550-556.	2.2	35
43	Transcriptome analysis of activated sludge microbiomes reveals an unexpected role of minority nitrifiers in carbon metabolism. <i>Communications Biology</i> , 2019, 2, 179.	4.4	35
44	Crystal structure of a histidine-tagged serine hydrolase involved in the carbazole degradation (CarC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	34
45	A CysB-regulated and λ 54-dependent regulator, SfnR, is essential for dimethyl sulfone metabolism of <i>Pseudomonas putida</i> strain DS1. <i>Microbiology (United Kingdom)</i> , 2003, 149, 991-1000.	1.8	34
46	Organization and Transcriptional Characterization of Catechol Degradation Genes Involved in Carbazole Degradation by <i>Pseudomonas resinovorans</i> Strain CA10. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 897-901.	1.3	33
47	The fluorene catabolic linear plasmid in <i>Terrabacter</i> sp. strain DBF63 carries the β^2 -keto adipate pathway genes, <i>pcaRHGBDCFJ</i> , also found in proteobacteria. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3713-3722.	1.8	33
48	Degradation profiles of biodegradable plastic films by biodegradable plastic-degrading enzymes from the yeast <i>Pseudozyma antarctica</i> and the fungus <i>Paraphoma</i> sp. B47-9. <i>Polymer Degradation and Stability</i> , 2017, 141, 26-32.	5.8	33
49	Degradation characteristics of a dibenzofuran-degrader <i>Terrabacter</i> sp. strain DBF63 toward chlorinated dioxins in soil. <i>Chemosphere</i> , 2002, 48, 201-207.	8.2	32
50	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 2099-2106.	2.2	32
51	Disruption of the Membrane-Bound Alcohol Dehydrogenase-Encoding Gene Improved Glycerol Use and Dihydroxyacetone Productivity in <i>Gluconobacter oxydans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1391-1395.	1.3	31
52	Heterologous expression of <i>Trametes versicolor</i> laccase in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2018, 141, 39-43.	1.3	30
53	Combined simultaneous enzymatic saccharification and comminution (SESC) and anaerobic digestion for sustainable biomethane generation from wood lignocellulose and the biochemical characterization of residual sludge solid. <i>Bioresource Technology</i> , 2020, 300, 122622.	9.6	30
54	<i>Desulfosporosinus</i> spp. were the most predominant sulfate-reducing bacteria in pilot- and laboratory-scale passive bioreactors for acid mine drainage treatment. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7783-7793.	3.6	29

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55	Production of d-arabitol from raw glycerol by <i>Candida quercitrusa</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2947-2953.	3.6	26
56	Draft Genome Sequence of the Yeast <i>Pseudozyma antarctica</i> Type Strain JCM10317, a Producer of the Glycolipid Biosurfactants, Mannosylerythritol Lipids. <i>Genome Announcements</i> , 2014, 2, .	0.8	25
57	Bacterial production of short-chain organic acids and trehalose from levulinic acid: A potential cellulose-derived building block as a feedstock for microbial production. <i>Bioresource Technology</i> , 2015, 177, 381-386.	9.6	25
58	Revealing sludge and biofilm microbiomes in membrane bioreactor treating piggery wastewater by non-destructive microscopy and 16S rRNA gene sequencing. <i>Chemical Engineering Journal</i> , 2018, 331, 75-83.	12.7	25
59	Chemical Analysis of Impurities in Diverse Bioethanol Samples. <i>Journal of the Japan Petroleum Institute</i> , 2013, 56, 414-422.	0.6	24
60	Functional maintenance and structural flexibility of microbial communities perturbed by simulated intense rainfall in a pilot-scale membrane bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6447-6456.	3.6	23
61	Differentiation of Carbazole Catabolic Operons by Replacement of the Regulated Promoter via Transposition of an Insertion Sequence*. <i>Journal of Biological Chemistry</i> , 2006, 281, 8450-8457.	3.4	22
62	Production of mannitol from raw glycerol by <i>Candida azyma</i> . <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 725-729.	2.2	22
63	The σ^{54} -dependent transcriptional activator SfnR regulates the expression of the <i>Pseudomonas putida</i> sfnFG operon responsible for dimethyl sulphone utilization. <i>Molecular Microbiology</i> , 2004, 55, 897-911.	2.5	21
64	Transcription Factors CysB and SfnR Constitute the Hierarchical Regulatory System for the Sulfate Starvation Response in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4521-4531.	2.2	21
65	Year-Round Performance of a Passive Sulfate-Reducing Bioreactor that Uses Rice Bran as an Organic Carbon Source to Treat Acid Mine Drainage. <i>Mine Water and the Environment</i> , 2018, 37, 586-594.	2.0	21
66	Unexpected diversity of acetate degraders in anaerobic membrane bioreactor treating organic solid waste revealed by high-sensitivity stable isotope probing. <i>Water Research</i> , 2020, 176, 115750.	11.3	21
67	Cloning and nucleotide sequences of the genes involved in the meta-cleavage pathway of cumene degradation in <i>Pseudomonas fluorescens</i> IP01. <i>Journal of Bioscience and Bioengineering</i> , 1996, 81, 247-254.	0.9	20
68	Purification and Characterization of meta-Cleavage Compound Hydrolase from a Carbazole Degrader <i>Pseudomonas resinovorans</i> Strain CA10. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 36-45.	1.3	20
69	Convenient Transformation of Anamorphic Basidiomycetous Yeasts Belonging to Genus <i>Pseudozyma</i> Induced by Electroporation. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 517-520.	2.2	20
70	Design, application, and microbiome of sulfate-reducing bioreactors for treatment of mining-influenced water. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6893-6903.	3.6	20
71	Expression, Purification, and Characterization of 2-Aminobiphenyl-2,3-diol 1,2-dioxygenase from Carbazole-degrader <i>Pseudomonas resinovorans</i> Strain CA10. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 300-307.	1.3	19
72	Rhizoremediation of Dioxin-like Compounds by a Recombinant <i>Rhizobium tropici</i> Strain Expressing Carbazole 1,9a-Dioxygenase Constitutively. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 1144-1148.	1.3	19

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73	Application of electrodialysis to glycerate recovery from a glycerol containing model solution and culture broth. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 425-428.	2.2	19
74	Nitrifiers activity and community characteristics under stress conditions in partial nitrification systems treating ammonium-rich wastewater. <i>Journal of Environmental Sciences</i> , 2018, 73, 1-8.	6.1	19
75	Efficient conversion of organic nitrogenous wastewater to nitrate solution driven by comammox Nitrospira. <i>Water Research</i> , 2021, 197, 117088.	11.3	19
76	Bioprocessing of Glycerol into Glyceric Acid for Use in Bioplastic Monomer. <i>Journal of Oleo Science</i> , 2011, 60, 369-373.	1.4	18
77	Screening and isolation of the liamocin-producing yeast <i>Aureobasidium melanogenum</i> using xylose as the sole carbon source. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 428-434.	2.2	18
78	Microbial community in an anaerobic membrane bioreactor and its performance in treating organic solid waste under controlled and deteriorated conditions. <i>Journal of Environmental Management</i> , 2020, 269, 110786.	7.8	18
79	Crystallization and preliminary X-ray diffraction analysis of the electron-transfer complex between the terminal oxygenase component and ferredoxin in the Rieske non-haem iron oxygenase system carbazole 1,9a-dioxygenase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 577-580.	0.7	17
80	Use of a <i>Gluconobacter frateurii</i> Mutant to Prevent Dihydroxyacetone Accumulation during Glyceric Acid Production from Glycerol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2330-2332.	1.3	17
81	Synthesis and Interfacial Properties of Monoacyl Glyceric Acids as a New Class of Green Surfactants. <i>Journal of Oleo Science</i> , 2012, 61, 343-348.	1.4	17
82	Effects of Organic-Loading-Rate Reduction on Sludge Biomass and Microbial Community in a Deteriorated Pilot-Scale Membrane Bioreactor. <i>Microbes and Environments</i> , 2016, 31, 361-364.	1.6	17
83	Transcriptional regulation of the sulfate-starvation-induced gene <i>sfnA</i> by a σ^{54} -dependent activator of <i>Pseudomonas putida</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3091-3098.	1.8	15
84	Microbial community analysis of sulfate-reducing passive bioreactor for treating acid mine drainage under failure conditions after long-term continuous operation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5795-5800.	6.7	15
85	Optimal start-up conditions for the efficient treatment of acid mine drainage using sulfate-reducing bioreactors based on physicochemical and microbiome analyses. <i>Journal of Hazardous Materials</i> , 2022, 423, 127089.	12.4	15
86	<i>Marinobacterium</i> sp. strain DMS-S1 uses dimethyl sulphide as a sulphur source after light-dependent transformation by excreted flavins. <i>Environmental Microbiology</i> , 2003, 5, 503-509.	3.8	14
87	Functional and transcriptional analyses of the initial oxygenase genes for acenaphthene degradation from <i>Sphingomonas</i> sp. strain A4. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2455-2467.	1.8	14
88	Two-stage electrodialytic concentration of glyceric acid from fermentation broth. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 690-695.	2.2	14
89	Use of electrodialysis to separate and concentrate β -amino butyric acid. <i>Desalination</i> , 2010, 253, 101-105.	8.2	14
90	Pervaporation of aqueous dilute 1-butanol, 2-propanol, ethanol and acetone using a tubular silicalite membrane. <i>Desalination and Water Treatment</i> , 2011, 34, 290-294.	1.0	14

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91	Synthesis and Evaluation of Dioleoyl Glyceric Acids Showing Antitrypsin Activity. <i>Journal of Oleo Science</i> , 2011, 60, 327-331.	1.4	14
92	Eukaryotic Microbiomes of Membrane-Attached Biofilms in Membrane Bioreactors Analyzed by High-Throughput Sequencing and Microscopic Observations. <i>Microbes and Environments</i> , 2018, 33, 98-101.	1.6	14
93	Long-term acclimatization of sludge microbiome for treatment of high-strength organic solid waste in anaerobic membrane bioreactor. <i>Biochemical Engineering Journal</i> , 2020, 154, 107461.	3.6	14
94	Characterization of [3Fe-4S] ferredoxin DbfA3, which functions in the angular dioxygenase system of <i>Terrabacter</i> sp. strain DBF63. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 336-345.	3.6	13
95	Cloning of <i>dfdA</i> genes from <i>Terrabacter</i> sp. strain DBF63 encoding dibenzofuran 4,4a-dioxygenase and heterologous expression in <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4485-4498.	3.6	13
96	Chemical mutagenesis of <i>Gluconobacter frateurii</i> to construct methanol-resistant mutants showing glyceric acid production from methanol-containing glycerol. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 197-199.	2.2	13
97	Application of Glycolipid Biosurfactants as Surface Modifiers in Bioplastics. <i>Journal of Oleo Science</i> , 2018, 67, 1609-1616.	1.4	13
98	Microbial and enzymatic conversion of levulinic acid, an alternative building block to fermentable sugars from cellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7767-7775.	3.6	13
99	Genetic characterization of the dibenzofuran-degrading Actinobacteria carrying the <i>dbfA1A2</i> gene homologues isolated from activated sludge. <i>FEMS Microbiology Letters</i> , 2004, 239, 147-155.	1.8	12
100	Structural Basis of the Divergent Oxygenation Reactions Catalyzed by the Rieske Nonheme Iron Oxygenase Carbazole 1,9a-Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2821-2832.	3.1	12
101	High susceptibility of aerobic microbiota in membrane bioreactor (MBR) sludge towards olive oil as revealed by high-throughput sequencing of 16S rRNA genes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4392-4399.	6.7	12
102	Microbiomes and chemical components of feed water and membrane-attached biofilm in reverse osmosis system to treat membrane bioreactor effluents. <i>Scientific Reports</i> , 2018, 8, 16805.	3.3	12
103	The <i>ptsP</i> gene encoding the PTS family protein <i>ElNtr</i> is essential for dimethyl sulfone utilization by <i>Pseudomonas putida</i> . <i>FEMS Microbiology Letters</i> , 2007, 275, 175-181.	1.8	11
104	Change in product selectivity during the production of glyceric acid from glycerol by <i>Gluconobacter</i> strains in the presence of methanol. <i>AMB Express</i> , 2013, 3, 20.	3.0	11
105	<i>In vitro</i> evaluation of glyceric acid and its glucosyl derivative, α -D-glucosylglyceric acid, as cell proliferation inducers and protective solutes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1183-1186.	1.3	11
106	Isolation and characterization of bacterial strains with the ability to utilize high concentrations of levulinic acid, a platform chemical from inedible biomass. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1552-1555.	1.3	11
107	Effect of Glyceric Acid Calcium Salt on the Viability of Ethanol-Dosed Gastric Cells. <i>Journal of Oleo Science</i> , 2011, 60, 585-590.	1.4	10
108	Draft Genome Sequence of the Yeast <i>Starmerella bombicola</i> NBRC10243, a Producer of Sophorolipids, Glycolipid Biosurfactants. <i>Genome Announcements</i> , 2015, 3, .	0.8	10

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109	Biofilm Formation by <i>Streptococcus mutans</i> is Enhanced by Indole via the Quorum Sensing Pathway. <i>Microbes and Environments</i> , 2020, 35, n/a.	1.6	10
110	Alteration of the Substrate Specificity of the Angular Dioxygenase Carbazole 1,9a-Dioxygenase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 3237-3248.	1.3	9
111	Glycerol Conversion to D-Xylulose by a Two-stage Microbial Reaction Using <i>Candida parapsilosis</i> and <i>Gluconobacter oxydans</i> . <i>Journal of Oleo Science</i> , 2009, 58, 595-600.	1.4	9
112	Electrodialytic separation of levulinic acid catalytically synthesized from woody biomass for use in microbial conversion. <i>Biotechnology Progress</i> , 2017, 33, 448-453.	2.6	9
113	Microbial transformation of 18 β -glycyrrhetic acid by <i>Sphingomonas paucimobilis</i> strain G5. <i>Biotechnology Letters</i> , 2001, 23, 1619-1624.	2.2	8
114	Crystallization and preliminary crystallographic analysis of the terminal oxygenase component of carbazole 1,9a-dioxygenase of <i>Pseudomonas resinovorans</i> strain CA10. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1350-1352.	2.5	8
115	Synthesis of Dilinoleoyl-D-Glyceric Acid and Evaluation of Its Cytotoxicity to Human Dermal Fibroblast and Endothelial Cells. <i>Journal of Oleo Science</i> , 2011, 60, 483-487.	1.4	8
116	Clarifying prokaryotic and eukaryotic biofilm microbiomes in anaerobic membrane bioreactor by non-destructive microscopy and high-throughput sequencing. <i>Chemosphere</i> , 2020, 254, 126810.	8.2	8
117	Bacterial Community Coexisting with White-Rot Fungi in Decayed Wood in Nature. <i>Current Microbiology</i> , 2021, 78, 3212-3217.	2.2	8
118	Membrane-Bound Alcohol Dehydrogenase Is Essential for Glyceric Acid Production in <i>Acetobacter tropicalis</i> . <i>Journal of Oleo Science</i> , 2011, 60, 489-494.	1.4	8
119	Isolation and Characterization of Thermotolerant Fungi Producing Lignoceric Acid from Glycerol. <i>Journal of Oleo Science</i> , 2008, 57, 251-255.	1.4	7
120	Microbial resolution of dl-glyceric acid for l-glyceric acid production with newly isolated bacterial strains. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 554-557.	2.2	7
121	Activated sludge microbial communities of a chemical plant wastewater treatment facility with high-strength bromide ions and aromatic substances. <i>Journal of General and Applied Microbiology</i> , 2019, 65, 106-110.	0.7	7
122	Effect of a microbiota activator on accumulated ammonium and microbial community structure in a pilot-scale membrane bioreactor. <i>Journal of General and Applied Microbiology</i> , 2015, 61, 132-138.	0.7	7
123	Isolation and characterization of microorganisms capable of cleaving the ether bond of 2-phenoxyacetophenone. <i>Scientific Reports</i> , 2022, 12, 2874.	3.3	7
124	Subtractive hybridization and random arbitrarily primed PCR analyses of a benzoate-assimilating bacterium, <i>Desulfotignum balticum</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 87-95.	3.6	6
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