Jun Ogawa

List of Publications by Year
in descending order

190	6,051	71102	91884
papers	citations	41 h-index	69 g-index

198	198	198	5130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyunsaturated fatty acid saturation by gut lactic acid bacteria affecting host lipid composition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17808-17813.	7.1	305
2	Production of conjugated fatty acids by lactic acid bacteria. Journal of Bioscience and Bioengineering, 2005, 100, 355-364.	2.2	235
3	Bioelectrocatalytic reduction of dioxygen to water at neutral pH using bilirubin oxidase as an enzyme and 2,2â€²-azinobis (3-ethylbenzothiazolin-6-sulfonate) as an electron transfer mediator. Journal of Electroanalytical Chemistry, 2001, 496, 69-75.	3.8	232
4	Gut microbiota confers host resistance to obesity by metabolizing dietary polyunsaturated fatty acids. Nature Communications, 2019, 10, 4007.	12.8	231
5	A Gut Microbial Metabolite of Linoleic Acid, 10-Hydroxy-cis-12-octadecenoic Acid, Ameliorates Intestinal Epithelial Barrier Impairment Partially via GPR40-MEK-ERK Pathway. Journal of Biological Chemistry, 2015, 290, 2902-2918.	3.4	189
6	Conjugated Linoleic Acid Accumulation via 10-Hydroxy-12-Octadecaenoic Acid during Microaerobic Transformation of Linoleic Acid by Lactobacillus acidophilus. Applied and Environmental Microbiology, 2001, 67, 1246-1252.	3.1	184
7	Conjugated linoleic acid production from linoleic acid by lactic acid bacteria. JAOCS, Journal of the American Oil Chemists' Society, 2002, 79, 159-163.	1.9	155
8	Engineering Cytochrome P450 BM-3 for Oxidation of Polycyclic Aromatic Hydrocarbons. Applied and Environmental Microbiology, 2001, 67, 5735-5739.	3.1	151
9	Establishment of Agrobacterium tumefaciens -Mediated Transformation of an Oleaginous Fungus, Mortierella alpina 1S-4, and Its Application for Eicosapentaenoic Acid Producer Breeding. Applied and Environmental Microbiology, 2009, 75, 5529-5535.	3.1	100
10	Improved production of various polyunsaturated fatty acids through filamentous fungus Mortierella alpina breeding. Applied Microbiology and Biotechnology, 2009, 84, 1-10.	3.6	96
11	Industrial microbial enzymes: their discovery by screening and use in large-scale production of useful chemicals in Japan. Current Opinion in Biotechnology, 2002, 13, 367-375.	6.6	93
12	Selection of oleaginous yeasts with high lipid productivity for practical biodiesel production. Bioresource Technology, 2014, 153, 230-235.	9.6	87
13	Thermostable N-carbamoyl-d-amino acid amidohydrolase: screening, purification and characterization. Journal of Biotechnology, 1994, 38, 11-19.	3.8	79
14	Characterization of Bacillus thuringiensis <scp>l</scp> -Isoleucine Dioxygenase for Production of Useful Amino Acids. Applied and Environmental Microbiology, 2011, 77, 6926-6930.	3.1	78
15	Critical Role of the Residue Size at Position 87 in H2O2-Dependent Substrate Hydroxylation Activity and H2O2 Inactivation of Cytochrome P450BM-3. Biochemical and Biophysical Research Communications, 2001, 280, 1258-1261.	2.1	76
16	Residue size at position 87 of cytochrome P450 BM-3 determines its stereoselectivity in propylbenzene and 3-chlorostyrene oxidation. FEBS Letters, 2001, 508, 249-252.	2.8	76
17	A novel unsaturated fatty acid hydratase toward C16 to C22 fatty acids from Lactobacillus acidophilus. Journal of Lipid Research, 2015, 56, 1340-1350.	4.2	74
18	Metabolic engineering for the production of polyunsaturated fatty acids by oleaginous fungus Mortierella alpina 1S-4. Journal of Bioscience and Bioengineering, 2013, 116, 417-422.	2.2	73

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19	A novel l-isoleucine hydroxylating enzyme, l-isoleucine dioxygenase from Bacillus thuringiensis, produces (2S,3R,4S)-4-hydroxyisoleucine. Biochemical and Biophysical Research Communications, 2009, 390, 506-510.	2.1	70
20	Metabolic engineering of Escherichia coli to produce (2S, 3R, 4S)-4-hydroxyisoleucine. Applied Microbiology and Biotechnology, 2010, 88, 719-726.	3.6	70
21	Î±â€Linolenic acidâ€derived metabolites from gut lactic acid bacteria induce differentiation of antiâ€inflammatory M2 macrophages through G proteinâ€coupled receptor 40. FASEB Journal, 2018, 32, 304-318.	0.5	69
22	Diversity and versatility of microbial hydantoin-transforming enzymes. Journal of Molecular Catalysis B: Enzymatic, 1997, 2, 163-176.	1.8	68
23	Ricinoleic Acid and Castor Oil as Substrates for Conjugated Linoleic Acid Production by Washed Cells ofLactobacillus plantarum. Bioscience, Biotechnology and Biochemistry, 2002, 66, 2283-2286.	1.3	67
24	Characterization of the linoleic acid Î”9 hydratase catalyzing the first step of polyunsaturated fatty acid saturation metabolism in Lactobacillus plantarum AKU 1009a. Journal of Bioscience and Bioengineering, 2015, 119, 636-641.	2.2	67
25	Characterization of alkaliphilic laccase activity in the culture supernatant ofMyrothecium verrucaria24G-4 in comparison with bilirubin oxidase. FEMS Microbiology Letters, 2004, 230, 209-214.	1.8	66
26	10â€oxoâ€12(Z)â€octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, enhances energy metabolism by activation of TRPV1. FASEB Journal, 2017, 31, 5036-5048.	0.5	65
27	N-Carbamoyl-d-amino acid amidohydrolase from Comamonas sp. E222c Purification and characterization. FEBS Journal, 1993, 212, 685-691.	0.2	62
28	Arachidonic acid production by the oleaginous fungus Mortierella alpina 1S-4: A review. Journal of Advanced Research, 2018, 11, 15-22.	9.5	62
29	Cryptococcus terricola is a promising oleaginous yeast for biodiesel production from starch through consolidated bioprocessing. Scientific Reports, 2014, 4, 4776.	3.3	61
30	Supplemental feeding of a gut microbial metabolite of linoleic acid, 10-hydroxy-cis-12-octadecenoic acid, alleviates spontaneous atopic dermatitis and modulates intestinal microbiota in NC/nga mice. International Journal of Food Sciences and Nutrition, 2017, 68, 941-951.	2.8	61
31	Metabolic diversity in biohydrogenation of polyunsaturated fatty acids by lactic acid bacteria involving conjugated fatty acid production. Applied Microbiology and Biotechnology, 2009, 84, 87-97.	3.6	60
32	10-oxo-12(Z)-octadecenoic acid, a linoleic acid metabolite produced by gut lactic acid bacteria, potently activates PPARÎ³ and stimulates adipogenesis. Biochemical and Biophysical Research Communications, 2015, 459, 597-603.	2.1	59
33	Hydroxylation activity of P450 BM-3 mutant F87V towards aromatic compounds and its application to the synthesis of hydroquinone derivatives from phenolic compounds. Applied Microbiology and Biotechnology, 2005, 67, 556-562.	3.6	56
34	beta-Ureidopropionase with N-carbamoyl-alpha-l-amino acid amidohydrolase activity from an aerobic bacterium, Pseudomonas putida IFO 12996. FEBS Journal, 1994, 223, 625-630.	0.2	53
35	Novel multi-component enzyme machinery in lactic acid bacteria catalyzing C C double bond migration useful for conjugated fatty acid synthesis. Biochemical and Biophysical Research Communications, 2011, 416, 188-193.	2.1	52
36	Linoleic Acid Isomerase inLactobacillus plantarumAKU1009a Proved to Be a Multi-Component Enzyme System Requiring Oxidoreduction Cofactors. Bioscience, Biotechnology and Biochemistry, 2011, 75, 318-322.	1.3	51

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37	Conjugated linoleic acid production from castor oil by Lactobacillus plantarum JCM 1551. Enzyme and Microbial Technology, 2004, 35, 40-45.	3.2	50
38	A novel l-isoleucine metabolism in Bacillus thuringiensis generating (2S,3R,4S)-4-hydroxyisoleucine, a potential insulinotropic and anti-obesity amino acid. Applied Microbiology and Biotechnology, 2011, 89, 1929-1938.	3.6	50
39	Structural Analysis of Conjugated Linoleic Acid Produced byLactobacillus plantarum, and Factors Affecting Isomer Production. Bioscience, Biotechnology and Biochemistry, 2003, 67, 179-182.	1.3	48
40	l-Leucine 5-hydroxylase of Nostoc punctiforme is a novel type of Fe(II)/Î±-ketoglutarate-dependent dioxygenase that is useful as a biocatalyst. Applied Microbiology and Biotechnology, 2013, 97, 2467-2472.	3.6	44
41	CLA production from ricinoleic acid by lactic acid bacteria. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 889-894.	1.9	43
42	Direct ethanol production from starch using a natural isolate, Scheffersomyces shehatae: Toward consolidated bioprocessing. Scientific Reports, 2015, 5, 9593.	3.3	43
43	10-Oxo-trans-11-octadecenoic acid generated from linoleic acid by a gut lactic acid bacterium Lactobacillus plantarum is cytoprotective against oxidative stress. Toxicology and Applied Pharmacology, 2016, 296, 1-9.	2.8	43
44	Î²-Glucuronidase from Lactobacillus brevis useful for baicalin hydrolysis belongs to glycoside hydrolase family 30. Applied Microbiology and Biotechnology, 2014, 98, 4021-4032.	3.6	42
45	Characteristics and biotechnology applications of aliphatic amino acid hydroxylases belonging to the Fe(II)/Î±-ketoglutarate-dependent dioxygenase superfamily. Applied Microbiology and Biotechnology, 2014, 98, 3869-3876.	3.6	42
46	Eicosapentaenoic acid (EPA) production by an oleaginous fungus Mortierella alpina expressing heterologous the Î”17â€desaturase gene under ordinary temperature. European Journal of Lipid Science and Technology, 2015, 117, 1919-1927.	1.5	42
47	A bacterial metabolite ameliorates periodontal pathogen-induced gingival epithelial barrier disruption via GPR40 signaling. Scientific Reports, 2018, 8, 9008.	3.3	42
48	Efficient enzymatic production of hydroxy fatty acids by linoleic acid Î”9 hydratase from Lactobacillus plantarum AKU 1009a. Journal of Applied Microbiology, 2016, 120, 1282-1288.	3.1	41
49	Indole Hydroxylation by Bacterial Cytochrome P450 BM-3 and Modulation of Activity by Cumene Hydroperoxide. Bioscience, Biotechnology and Biochemistry, 2005, 69, 293-300.	1.3	39
50	Effect of pretreatment of hydrothermally processed rice straw with laccase-displaying yeast on ethanol fermentation. Applied Microbiology and Biotechnology, 2012, 94, 939-948.	3.6	39
51	Construction of Deoxyriboaldolase-Overexpressing Escherichia coli and Its Application to 2-Deoxyribose 5-Phosphate Synthesis from Glucose and Acetaldehyde for 2â€²-Deoxyribonucleoside Production. Applied and Environmental Microbiology, 2003, 69, 3791-3797.	3.1	38
52	Multiâ€Enzymatic Synthesis of Optically Pure Î²â€Hydroxy Î±â€Amino Acids. Advanced Synthesis and Catalysis, 2015, 357, 767-774.	4.3	38
53	A possible beneficial effect of Bacteroides on faecal lipopolysaccharide activity and cardiovascular diseases. Scientific Reports, 2020, 10, 13009.	3.3	38
54	Purification and Characterization of an ATP-dependent Amidohydrolase, N-methylhydantoin Amidohydrolase, from Pseudomonas putida 77. FEBS Journal, 1995, 229, 284-290.	0.2	37

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55	Imidase, a Dihydropyrimidinase-Like Enzyme Involved in the Metabolism of Cyclic Imides. FEBS Journal, 1997, 243, 322-327.	0.2	37
56	Synthesis of 4-Hydroxyisoleucine by the Aldolaseâ€“Transaminase Coupling Reaction and Basic Characterization of the Aldolase fromArthrobacter simplexAKU 626. Bioscience, Biotechnology and Biochemistry, 2007, 71, 1607-1615.	1.3	37
57	A novel strategy for enzymatic synthesis of 4-hydroxyisoleucine: identification of an enzyme possessing HMKP (4-hydroxy-3-methyl-2-keto-pentanoate) aldolase activity. FEMS Microbiology Letters, 2007, 273, 70-77.	1.8	37
58	Synthesized enone fatty acids resembling metabolites from gut microbiota suppress macrophageâ€mediated inflammation in adipocytes. Molecular Nutrition and Food Research, 2017, 61, 1700064.	3.3	36
59	Screening of novel microbial enzymes for the production of biologically and chemically useful compounds. Advances in Biochemical Engineering/Biotechnology, 1997, 58, 45-87.	1.1	35
60	Improvement of arachidonic acid production by mutants with lower n-3 desaturation activity derived from Mortierella alpina 1S-4. Applied Microbiology and Biotechnology, 2004, 66, 243-248.	3.6	35
61	Purification, Characterization, and Gene Cloning of Purine Nucleosidase from Ochrobactrum anthropi. Applied and Environmental Microbiology, 2001, 67, 1783-1787.	3.1	34
62	Microbial Production of 2-Deoxyribose 5-Phosphate from Acetaldehyde and Triosephosphate for the Synthesis of 2â€²-Deoxyribonucleosides. Bioscience, Biotechnology and Biochemistry, 2003, 67, 933-936.	1.3	33
63	Novel Enzyme Family Found in Filamentous Fungi Catalyzing trans -4-Hydroxylation of <scp>l</scp> -Pipecolic Acid. Applied and Environmental Microbiology, 2016, 82, 2070-2077.	3.1	33
64	Biochemical retrosynthesis of 2â€²-deoxyribonucleosides from glucose, acetaldehyde, and a nucleobase. Applied Microbiology and Biotechnology, 2006, 71, 615-621.	3.6	32
65	Gut Microbial Fatty Acid Metabolites Reduce Triacylglycerol Levels in Hepatocytes. Lipids, 2015, 50, 1093-1102.	1.7	32
66	Lipid production through simultaneous utilization of glucose, xylose, and l-arabinose by Pseudozyma hubeiensis: a comparative screening study. AMB Express, 2016, 6, 58.	3.0	32
67	Biohydrogenation of C20 polyunsaturated fatty acids by anaerobic bacteria. Journal of Lipid Research, 2014, 55, 1855-1863.	4.2	31
68	A novel family of bacterial dioxygenases that catalyse the hydroxylation of free l-amino acids. FEMS Microbiology Letters, 2012, 331, 97-104.	1.8	30
69	Characterization of a trifunctional fatty acid desaturase from oleaginous filamentous fungus Mortierella alpina 1S-4 using a yeast expression system. Journal of Bioscience and Bioengineering, 2013, 116, 672-676.	2.2	30
70	Analysis of microbial community and nitrogen transition with enriched nitrifying soil microbes for organic hydroponics. Bioscience, Biotechnology and Biochemistry, 2016, 80, 2247-2254.	1.3	29
71	Novel Amidohydrolytic Reactions in Oxidative Pyrimidine Metabolism: Analysis of the Barbiturase Reaction and Discovery of a Novel Enzyme, Ureidomalonase. Biochemical and Biophysical Research Communications, 2001, 286, 222-226.	2.1	28
72	Transformation of an oleaginous zygomycete Mortierella alpina 1S-4 with the carboxin resistance gene conferred by mutation of the ironâ€“sulfur subunit of succinate dehydrogenase. Current Genetics, 2009, 55, 349-356.	1.7	27

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73	Trehalose accumulation enhances tolerance of Saccharomyces cerevisiae to aceticÂacid. Journal of Bioscience and Bioengineering, 2015, 119, 172-175.	2.2	27
74	Lactic acid bacteria-containing chocolate as a practical probiotic product with increased acid tolerance. Biocatalysis and Agricultural Biotechnology, 2015, 4, 773-777.	3.1	27
75	Metabolic engineering of oleaginous fungus Mortierella alpina for high production of oleic and linoleic acids. Bioresource Technology, 2017, 245, 1610-1615.	9.6	26
76	ConjugatedÎ±-linolenic acid production fromÎ±-linolenic acid byLactobacillus plantarum AKU 1009a. European Journal of Lipid Science and Technology, 2003, 105, 572-577.	1.5	25
77	The Case for an Early Biological Origin of DNA. Journal of Molecular Evolution, 2014, 79, 204-212.	1.8	25
78	Microbial production of conjugated fatty acids. Lipid Technology, 2009, 21, 177-181.	0.3	24
79	Hydroxy fatty acid production byPediococcussp.. European Journal of Lipid Science and Technology, 2013, 115, 386-393.	1.5	24
80	Rational Engineering of Hydratase from Lactobacillus acidophilus Reveals Critical Residues Directing Substrate Specificity and Regioselectivity. ChemBioChem, 2020, 21, 550-563.	2.6	23
81	Efficient Production of 2-Deoxyribose 5-Phosphate from Glucose and Acetaldehyde by Coupling of the Alcoholic Fermentation System of Bakerâ€™s Yeast and Deoxyriboaldolase-ExpressingEscherichia coli. Bioscience, Biotechnology and Biochemistry, 2006, 70, 1371-1378.	1.3	22
82	Inhibitory effect of the gut microbial linoleic acid metabolites, 10-oxo-trans-11-octadecenoic acid and 10-hydroxy-cis-12-octadecenoic acid, on BV-2 microglial cell activation. Journal of Pharmacological Sciences, 2018, 138, 9-15.	2.5	22
83	Microbial production of dihomo-Î³-linolenic acid by Î”5-desaturase gene-disruptants of Mortierella alpina 1S-4. Journal of Bioscience and Bioengineering, 2016, 122, 22-26.	2.2	21
84	Extracellular oxidases of Cerrena sp. complementarily functioning in artificial dye decolorization including laccase, manganese peroxidase, and novel versatile peroxidases. Biocatalysis and Agricultural Biotechnology, 2012, 1, 220-225.	3.1	20
85	One-pot Microbial Synthesis of 2â€²-deoxyribonucleoside from Glucose, Acetaldehyde, and a Nucleobase. Biotechnology Letters, 2006, 28, 877-881.	2.2	19
86	Crystal Structure of a Novel N-Substituted L-Amino Acid Dioxygenase from Burkholderia ambifaria AMMD. PLoS ONE, 2013, 8, e63996.	2.5	19
87	Stereoinversion of optically active 3-pentyn-2-ol by Nocardia species. Biotechnology Letters, 1999, 21, 331-335.	2.2	18
88	Production of 8,11-cis-eicosadienoic acid by a Î”5 and Î”12 desaturase-defective mutant derived from the arachidonic acid-producing fungusMortierella alpina1S-4. JAOCS, Journal of the American Oil Chemists' Society, 1999, 76, 1269-1274.	1.9	18
89	Novel bacterial peroxidase without catalase activity from Flavobacterium meningosepticum: purification and characterization. BBA - Proteins and Proteomics, 1999, 1435, 117-126.	2.1	18
90	Enzymatic synthesis of chiral amino acid sulfoxides by Fe(II)/Î±-ketoglutarate-dependent dioxygenase. Tetrahedron: Asymmetry, 2013, 24, 990-994.	1.8	18

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91	Lipid production via simultaneous conversion of glucose and xylose by a novel yeast, Cystobasidium iriomotense. PLoS ONE, 2018, 13, e0202164.	2.5	18
92	A bacterial metabolite induces Nrf2-mediated anti-oxidative responses in gingival epithelial cells by activating the MAPK signaling pathway. Archives of Oral Biology, 2020, 110, 104602.	1.8	18
93	Purification and characterization of a novel enzyme, arylalkyl acylamidase, from Pseudomonas putida Sc2. FEBS Journal, 1992, 209, 375-382.	0.2	17
94	Purification and characterization of dihydroorotase fromPseudomonas putida. Archives of Microbiology, 1995, 164, 353-357.	2.2	17
95	Diversity of Cyclic Ureide Compound-, Dihydropyrimidine-, and Hydantoin-hydrolyzing Enzymes inBlastobactersp. A17p-4. Bioscience, Biotechnology and Biochemistry, 1995, 59, 1960-1962.	1.3	16
96	Distribution of cyclic imide-transforming activity in microorganisms. FEMS Microbiology Letters, 1998, 158, 51-55.	1.8	16
97	Omega-3 eicosatetraenoic acid production by molecular breeding of the mutant strain S14 derived from Mortierella alpina 1S-4. Journal of Bioscience and Bioengineering, 2015, 120, 299-304.	2.2	16
98	Intestinal microbe-dependent Ï‰3 lipid metabolite Î±KetoA prevents inflammatory diseases in mice and cynomolgus macaques. Mucosal Immunology, 2022, 15, 289-300.	6.0	16
99	Structural optimization of SadA, an Fe(II)- and Î±-ketoglutarate-dependent dioxygenase targeting biocatalytic synthesis of N-succinyl-l-threo-3,4-dimethoxyphenylserine. Biochemical and Biophysical Research Communications, 2014, 450, 1458-1461.	2.1	15
100	Isolation and characterization of psychrotolerant endospore-forming Sporosarcina species associated with minced fish meat (surimi). International Journal of Food Microbiology, 2015, 199, 15-22.	4.7	15
101	Production of ricinoleic acid-containing monoestolide triacylglycerides in an oleaginous diatom, Chaetoceros gracilis. Scientific Reports, 2016, 6, 36809.	3.3	15
102	Novel Mechanism of Fatty Acid Sensing in Enteroendocrine Cells: Specific Structures in Oxoâ€Fatty Acids Produced by Gut Bacteria Are Responsible for CCK Secretion in STCâ€1 Cells via GPR40. Molecular Nutrition and Food Research, 2018, 62, e1800146.	3.3	15
103	Antimicrobial function of the polyunsaturated fatty acid KetoC in an experimental model of periodontitis. Journal of Periodontology, 2019, 90, 1470-1480.	3.4	15
104	Production of 8,11,14,17-cis-eicosatetraenoic acid (20:4Ï‰-3) by a Î”5 and Î”12 desaturase-defective mutant of an arachidonic acid-producing fungusMortierella alpina1S-4. JAOCS, Journal of the American Oil Chemists' Society, 1998, 75, 1495-1500.	1.9	14
105	A Novel Amidase (Half-Amidase) for Half-Amide Hydrolysis Involved in the Bacterial Metabolism of Cyclic Imides. Applied and Environmental Microbiology, 2000, 66, 1947-1952.	3.1	14
106	Screening and Industrial Application of Unique Microbial Reactions Involved in Nucleic Acid and Lipid Metabolisms. Bioscience, Biotechnology and Biochemistry, 2006, 70, 574-582.	1.3	14
107	Two laccase isoenzymes and a peroxidase of a commercial laccase-producing basidiomycete, Trametes sp. Ha1. New Biotechnology, 2010, 27, 317-323.	4.4	14
108	Mechanistic Insights into Indigo Reduction in Indigo Fermentation: A Voltammetric Study. Electrochemistry, 2021, 89, 25-30.	1.4	14

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109	Selection and characterization of promoters based on genomic approach for the molecular breeding of oleaginous fungus Mortierella alpina 1S-4. Current Genetics, 2014, 60, 183-191.	1.7	13
110	Disruption of lig4 improves gene targeting efficiency in the oleaginous fungus Mortierella alpina 1S-4. Journal of Biotechnology, 2015, 208, 63-69.	3.8	13
111	Novel alcohol oxidase with glycolate oxidase activity from Ochrobactrum sp. AIU 033. Journal of Molecular Catalysis B: Enzymatic, 2014, 105, 41-48.	1.8	12
112	Construction of microbial platform for an energy-requiring bioprocess: practical 2â€²-deoxyribonucleoside production involving a Câ^'C coupling reaction with high energy substrates. Microbial Cell Factories, 2012, 11, 82.	4.0	11
113	Isolation and Characterization of a Docosahexaenoic Acidâ€Phospholipids Producing Microorganism Crypthecodinium sp. D31. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 1837-1844.	1.9	11
114	A novel <scp>l</scp>â€isoleucineâ€4â€²â€dioxygenase and <scp>l</scp>â€isoleucine dihydroxylation cascade in Pantoea ananatis. MicrobiologyOpen, 2013, 2, 471-481.	3.0	11
115	Characterization of hydroxy fatty acid dehydrogenase involved in polyunsaturated fatty acid saturation metabolism in Lactobacillus plantarum AKU 1009a. Journal of Molecular Catalysis B: Enzymatic, 2015, 117, 7-12.	1.8	11
116	Gene targeting in the oil-producing fungus Mortierella alpina 1S-4 and construction of a strain producing a valuable polyunsaturated fatty acid. Current Genetics, 2015, 61, 579-589.	1.7	11
117	Engineering a short-chain dehydrogenase/reductase for the stereoselective production of (2S,3R,4S)-4-hydroxyisoleucine with three asymmetric centers. Scientific Reports, 2017, 7, 13703.	3.3	11
118	Evaluation of electron-transferring cofactor mediating enzyme systems involved in urolithin dehydroxylation in Gordonibacter urolithinfaciens DSM 27213. Journal of Bioscience and Bioengineering, 2020, 129, 552-557.	2.2	11
119	Medium-chain triglycerides inhibit long-chain triglyceride-induced GIP secretion through GPR120-dependent inhibition of CCK. IScience, 2021, 24, 102963.	4.1	11
120	Polyunsaturated fatty acids production and transformation by Mortierella alpina and anaerobic bacteria. European Journal of Lipid Science and Technology, 2012, 114, 1107-1113.	1.5	10
121	Production of dicarboxylic acids from novel unsaturated fatty acids by laccase-catalyzed oxidative cleavage. Bioscience, Biotechnology and Biochemistry, 2016, 80, 2132-2137.	1.3	10
122	Engineering of the cytochrome P450 monooxygenase system for benzyl maltol hydroxylation. Applied Microbiology and Biotechnology, 2017, 101, 6651-6658.	3.6	10
123	Cyclic ureide and imide metabolism in microorganisms producing a d-hydantoinase useful for d-amino acid production. Journal of Molecular Catalysis B: Enzymatic, 2001, 12, 61-70.	1.8	9
124	New lipid science in our inner ecosystem. European Journal of Lipid Science and Technology, 2015, 117, 577-578.	1.5	9
125	Microbial Production of Optically Active Î²-Phenylalanine through Stereoselective Degradation of Racemic Î²-Phenylalanine. Bioscience, Biotechnology and Biochemistry, 2006, 70, 1941-1946.	1.3	8
126	Screening and characterization of a phosphopentomutase useful for enzymatic production of 2â€²-deoxyribonucleoside. New Biotechnology, 2009, 26, 75-82.	4.4	8

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127	Characterization of galactose-dependent promoters from an oleaginous fungus Mortierella alpina 1S-4. Current Genetics, 2014, 60, 175-182.	1.7	8
128	Enzyme systems involved in glucosinolate metabolism in Companilactobacillus farciminis KB1089. Scientific Reports, 2021, 11, 23715.	3.3	8
129	Microbial production of optically active Î²-phenylalanine ethyl ester through stereoselective hydrolysis of racemic Î²-phenylalanine ethyl ester. Applied Microbiology and Biotechnology, 2006, 70, 663-669.	3.6	7
130	Enantioselective ester hydrolase from Sphingobacterium sp. 238C5 useful for chiral resolution of Î²-phenylalanine and for its Î²-peptide synthesis. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 138-144.	1.8	7
131	Imidase catalyzing desymmetric imide hydrolysis forming optically active 3-substituted glutaric acid monoamides for the synthesis of gamma-aminobutyric acid (GABA) analogs. Applied Microbiology and Biotechnology, 2015, 99, 9961-9969.	3.6	7
132	Gut microbial metabolites of linoleic acid are metabolized by accelerated peroxisomal Î²-oxidation in mammalian cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1619-1628.	2.4	7
133	Production of Functional Lipids by Microorganisms. Oleoscience, 2003, 3, 129-139,128.	0.0	7
134	A new aldehyde oxidase catalyzing the conversion of glycolaldehyde to glycolate from Burkholderia sp. AIU 129. Journal of Bioscience and Bioengineering, 2015, 119, 410-415.	2.2	6
135	New nucleoside hydrolase with transribosylation activity from Agromyces sp. MM-1 and its application for enzymatic synthesis of 2â€²-O-methylribonucleosides. Journal of Bioscience and Bioengineering, 2018, 125, 38-45.	2.2	6
136	Electrochemical Study on the Extracellular Electron Transfer Pathway from Shewanella Strain Hac319 to Electrodes. Analytical Sciences, 2018, 34, 1177-1182.	1.6	6
137	Gut microbial fatty acid metabolites (KetoA and KetoC) affect the progression of nonalcoholic steatohepatitis and reverse cholesterol transport metabolism in mouse model. Lipids, 2020, 55, 151-162.	1.7	6
138	A three-component monooxygenase from Rhodococcus wratislaviensis may expand industrial applications of bacterial enzymes. Communications Biology, 2021, 4, 16.	4.4	6
139	Title is missing!. Biotechnology Letters, 1999, 21, 711-713.	2.2	5
140	Fatty Acid Desaturation and Elongation Reactions of Trichoderma sp. 1â€OHâ€2â€3. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 227-233.	1.9	5
141	Arachidonic Acid-Producing Mortierella alpina: Creation of Mutants, Isolation of the Related Enzyme Genes, and Molecular Breeding. , 2010, , 29-49.		5
142	Enzymatic synthesis of 2â€²- O -methylribonucleosides with a nucleoside hydrolase family enzyme from Lactobacillus buchneri LBK78. Journal of Bioscience and Bioengineering, 2017, 123, 659-664.	2.2	5
143	Modulation of fatty acid composition and growth in Sporosarcina species in response to temperatures and exogenous branched-chain amino acids. Applied Microbiology and Biotechnology, 2017, 101, 5071-5080.	3.6	5
144	A search for microorganisms producing medium-chain alkanes from aldehydes. Journal of Bioscience and Bioengineering, 2018, 125, 87-91.	2.2	5

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