Deok-Kun Oh

List of Publications by Year
in descending order

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195	5,408	94433	123424
papers	citations	37 h-index	61 g-index

200	200	200	4154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of aldolase-based catalysts for the synthesis of organic chemicals. Trends in Biotechnology, 2022, 40, 306-319.	9.3	9
2	Enzyme Access Tunnel Engineering in Baeyerâ€Villiger Monooxygenases to Improve Oxidative Stability and Biocatalyst Performance. Advanced Synthesis and Catalysis, 2022, 364, 555-564.	4.3	11
3	Regioselectivity of an arachidonate 9S-lipoxygenase from Sphingopyxis macrogoltabida that biosynthesizes 9S,15S- and 11S,17S-dihydroxy fatty acids from C20 and C22 polyunsaturated fatty acids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159091.	2.4	6
4	The DPA-derivative 11S, 17S-dihydroxy 7,9,13,15,19 (Z,E,Z,E,Z)-docosapentaenoic acid inhibits IL-6 production by inhibiting ROS production and ERK/NF-ÎºB pathway in keratinocytes HaCaT stimulated with a fine dust PM10. Ecotoxicology and Environmental Safety, 2022, 232, 113252.	6.0	8
5	Highly efficient oxidation of plant oils to C18 trihydroxy fatty acids by Escherichia coli co-expressing lipoxygenase and epoxide hydrolase. Green Chemistry, 2022, 24, 2062-2072.	9.0	3
6	Production of Deglucose-Apiose-Xylosylated Platycosides from Glycosylated Platycosides by Crude Enzyme from Aspergillus tubingensis. Journal of Microbiology and Biotechnology, 2022, 32, 1-8.	2.1	1
7	Production of Daidzein and Genistein from Seed and Root Extracts of Korean Wild Soybean (Glycine) Tj ETQq1 1 0.784314 rgBT /Ove 2022, 12, 3481.	2.5	1
8	Production of <scp> 11 R â€hydroxyeicosatetraenoic </scp> acid from arachidonic acid by Escherichia coli cells expressing arachidonate <scp> 11 R â€lipoxygenase </scp> from Nostoc sp.. JAOCS, Journal of the American Oil Chemists' Society, 2022, 99, 289-297.	1.9	2
9	Bioconversion of C20- and C22-polyunsaturated fatty acids into 9S,15S- and 11S,17S-dihydroxy fatty acids by Escherichia coli expressing double-oxygenating 9S-lipoxygenase from Sphingopyxis macrogoltabida. Journal of Bioscience and Bioengineering, 2022, 134, 14-20.	2.2	4
10	Production of 8,11â€dihydroxy fatty acids from oleic and palmitoleic acids by Escherichia coli cells expressing variant 6,8â€linoleate diol synthases from Penicillium oxalicum. Biotechnology Progress, 2022, , e3267.	2.6	1
11	Increased Production of Ginsenoside Compound K by Optimizing the Feeding of American Ginseng Extract during Fermentation by Aspergillus tubingensis. Journal of Microbiology and Biotechnology, 2022, 32, 902-910.	2.1	3
12	Production of Bioactive Deapiosylated Platycosides from Glycosylated Platycosides in Balloon Flower Root Using the Crude Enzyme from the Food-Available Fungus Rhizopus oryzae. Journal of Agricultural and Food Chemistry, 2021, 69, 4766-4777.	5.2	5
13	Biocatalytic synthesis of dihydroxy fatty acids as lipid mediators from polyunsaturated fatty acids by double dioxygenation of the microbial 12Sâ€lipoxygenase. Biotechnology and Bioengineering, 2021, 118, 3094-3104.	3.3	12
14	An integrative approach to improving the biocatalytic reactions of whole cells expressing recombinant enzymes. World Journal of Microbiology and Biotechnology, 2021, 37, 105.	3.6	1
15	Improved Bioactivity of 3-O-Î²-D-Glucopyranosyl Platycosides in Biotransformed Platycodon grandiflorum Root Extract by Pectinase from Aspergillus aculeatus. Journal of Microbiology and Biotechnology, 2021, 31, 847-854.	2.1	3
16	Molecular insights into lipoxygenases for biocatalytic synthesis of diverse lipid mediators. Progress in Lipid Research, 2021, 83, 101110.	11.6	25
17	Chemoenzymatic Cascade Conversion of Linoleic Acid into a Secondary Fatty Alcohol Using a Combination of 13S-Lipoxygenase, Chemical Reduction, and a Photo-Activated Decarboxylase. ACS Sustainable Chemistry and Engineering, 2021, 9, 10837-10845.	6.7	12
18	Complete Bioconversion of Protopanaxadiol-Type Ginsenosides to Compound K by Extracellular Enzymes from the Isolated Strain Aspergillus tubingensis. Journal of Agricultural and Food Chemistry, 2021, 69, 315-324.	5.2	17

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19	Design and engineering of whole-cell biocatalytic cascades for the valorization of fatty acids. Catalysis Science and Technology, 2020, 10, 46-64.	4.1	38
20	Fructuronate-tagaturonate epimerase UxaE from Cohnella laeviribosi has a versatile TIM-barrel scaffold suitable for a sugar metabolizing biocatalyst. International Journal of Biological Macromolecules, 2020, 163, 1369-1374.	7.5	1
21	Development of Tagaturonate 3-Epimerase into Tagatose 4-Epimerase with a Biocatalytic Route from Fructose to Tagatose. ACS Catalysis, 2020, 10, 12212-12222.	11.2	9
22	Discovery and Engineering of a Microbial Double-Oxygenating Lipoxygenase for Synthesis of Dihydroxy Fatty Acids as Specialized Proresolving Mediators. ACS Sustainable Chemistry and Engineering, 2020, 8, 16172-16183.	6.7	18
23	Increased Production of Ï‰-Hydroxynonanoic Acid and Î±,Ï‰-Nonanedioic Acid from Olive Oil by a Constructed Biocatalytic System. Journal of Agricultural and Food Chemistry, 2020, 68, 9488-9495.	5.2	10
24	Bioconversion of arachidonic acid into human 14,15-hepoxilin B3 and 13,14,15-trioxilin B3 by recombinant cells expressing microbial 15-lipoxygenase without and with epoxide hydrolase. Biotechnology Letters, 2020, 42, 2001-2009.	2.2	4
25	Bakkenolides and Caffeoylquinic Acids from the Aerial Portion of Petasites japonicus and Their Bacterial Neuraminidase Inhibition Ability. Biomolecules, 2020, 10, 888.	4.0	4
26	Conversion of Glycosylated Platycoside E to Deapiose-Xylosylated Platycodin D by Cytolase PCL5. International Journal of Molecular Sciences, 2020, 21, 1207.	4.1	14
27	Wholeâ€Cell Photoenzymatic Cascades to Synthesize Longâ€Chain Aliphatic Amines and Esters from Renewable Fatty Acids. Angewandte Chemie - International Edition, 2020, 59, 7024-7028.	13.8	60
28	Multilayer Engineering of Enzyme Cascade Catalysis for One-Pot Preparation of Nylon Monomers from Renewable Fatty Acids. ACS Catalysis, 2020, 10, 4871-4878.	11.2	35
29	Construction of an engineered biocatalyst system for the production of mediumâ€chain Î±,Ï‰â€dicarboxylic acids from mediumâ€chain Ï‰â€hydroxycarboxylic acids. Biotechnology and Bioengineering, 2020, 117, 2648-2657.	3.3	7
30	Biotransformation of Glycosylated Saponins in Balloon Flower Root Extract into 3-O-Î²-D-Glucopyranosyl Platycosides by Deglycosylation of Pectinase from Aspergillus aculeatus. Journal of Microbiology and Biotechnology, 2020, 30, 946-954.	2.1	7
31	Biotransformation of Protopanaxadiol-Type Ginsenosides in Korean Ginseng Extract into Food-Available Compound K by an Extracellular Enzyme from Aspergillus niger. Journal of Microbiology and Biotechnology, 2020, 30, 1560-1567.	2.1	20
32	Resolvin D5, a Lipid Mediator, Inhibits Production of Interleukin-6 and CCL5 Via the ERK-NF- Â¥ Ã©Signaling Pathway in Lipopolysaccharide-Stimulated THP-1 Cells. Journal of Microbiology and Biotechnology, 2020, 30, 85-92.	2.1	8
33	Complete Biotransformation of Protopanaxadiol-Type Ginsenosides into 20-O-Î²-Glucopyranosyl-20(S)-protopanaxadiol by Permeabilized Recombinant Escherichia coli Cells Coexpressing Î²-Glucosidase and Chaperone Genes. Journal of Agricultural and Food Chemistry, 2019, 67, 8393-8401.	5.2	15
34	Enzymatic Biotransformation of Balloon Flower Root Saponins into Bioactive Platycodin D by Deglucosylation with Caldicellulosiruptor bescii Î²-Glucosidase. International Journal of Molecular Sciences, 2019, 20, 3854.	4.1	18
35	Cloning and characterization of Î±-l-rhamnosidase from Chloroflexus aurantiacus and its application in the production of isoquercitrin from rutin. Biotechnology Letters, 2019, 41, 419-426.	2.2	6
36	Production of 6,8â€Dihydroxy Fatty Acids by Recombinant Escherichia coli Expressing T879A Variant 6,8â€Linoleate Diol Synthase from Penicillium oxalicum. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 663-669.	1.9	2

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37	Enzymatic synthesis of new hepoxilins and trioxilins from polyunsaturated fatty acids. Green Chemistry, 2019, 21, 3172-3181.	9.0	13
38	Microbial Synthesis of Linoleate 9S-Lipoxygenase Derived Plant C18 Oxylipins from C18 Polyunsaturated Fatty Acids. Journal of Agricultural and Food Chemistry, 2019, 67, 3209-3219.	5.2	14
39	Production of 8S- and 10S-hydroxy polyunsaturated fatty acids by recombinant Escherichia coli cells expressing mouse arachidonate 8S-lipoxygenase. Biotechnology Letters, 2019, 41, 575-582.	2.2	7
40	Biotransformation of Food-Derived Saponins, Platycosides, into Deglucosylated Saponins Including Deglucosylated Platycodin D and Their Anti-Inflammatory Activities. Journal of Agricultural and Food Chemistry, 2019, 67, 1470-1477.	5.2	36
41	Molecular characterization of Penicillium oxalicum 6R,8R-linoleate diol synthase with new regiospecificity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 577-586.	2.4	3
42	Complete Biotransformation of Protopanaxadiol-Type Ginsenosides to 20-O-Î²-Glucopyranosyl-20(S)-protopanaxadiol Using a Novel and Thermostable Î²-Glucosidase. Journal of Agricultural and Food Chemistry, 2018, 66, 2822-2829.	5.2	33
43	Biotransformation of polyunsaturated fatty acids to bioactive hepoxilins and trioxilins by microbial enzymes. Nature Communications, 2018, 9, 128.	12.8	29
44	Regiospecificity of a novel bacterial lipoxygenase from Myxococcus xanthus for polyunsaturated fatty acids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 823-833.	2.4	31
45	<scp>PKC</scp>Î¹ is a target of 7,8,4â€²â€²trihydroxyisoflavone for the suppression of <scp>UVB</scp>â€induced <scp>MMP</scp>â€1 expression. Experimental Dermatology, 2018, 27, 449-452.	2.9	7
46	Characterization of l-rhamnose isomerase from Clostridium stercorarium and its application to the production of d-allose from d-allulose (d-psicose). Biotechnology Letters, 2018, 40, 325-334.	2.2	17
47	Stabilization and improved activity of arachidonate 11S-lipoxygenase from proteobacterium Myxococcus xanthus. Journal of Lipid Research, 2018, 59, 2153-2163.	4.2	13
48	Enhanced Production of Î²-D-glycosidase and Î±-L-arabinofuranosidase in Recombinant Escherichia coli in Fed-batch Culture for the Biotransformation of Ginseng Leaf Extract to Ginsenoside Compound K. Biotechnology and Bioprocess Engineering, 2018, 23, 183-193.	2.6	9
49	Complete conversion of all typical glycosylated protopanaxatriol ginsenosides to aglycon protopanaxatriol by combined bacterial Î²-glycosidases. AMB Express, 2018, 8, 8.	3.0	5
50	An L213A variant of Î²-glycosidase from Sulfolobus solfataricus with increased Î±-L-arabinofuranosidase activity converts ginsenoside Rc to compound K. PLoS ONE, 2018, 13, e0191018.	2.5	14
51	Biotransformation of Fructose to Allose by a One-Pot Reaction Using Flavonifractor plautii D-Allulose 3-Epimerase and Clostridium thermocellum Ribose 5-Phosphate Isomerase. Journal of Microbiology and Biotechnology, 2018, 28, 418-424.	2.1	16
52	Complete Biotransformation of Protopanaxatriol-Type Ginsenosides in Panax ginseng Leaf Extract to Aglycon Protopanaxatriol by ï¿½ï¿½-Glycosidases from Dictyoglomus turgidum and Pyrococcus furiosus. Journal of Microbiology and Biotechnology, 2018, 28, 255-261.	2.1	2
53	Production of 8,11â€dihydroxy and 8â€hydroxy unsaturated fatty acids from unsaturated fatty acids by recombinant Escherichia coli expressing 8,11â€linoleate diol synthase from Penicillium chrysogenum. Biotechnology Progress, 2017, 33, 390-396.	2.6	5
54	Comparison of Biochemical Properties of the Original and Newly Identified Oleate Hydratases from Stenotrophomonas maltophilia. Applied and Environmental Microbiology, 2017, 83, .	3.1	24

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55	High-yield production of pure tagatose from fructose by a three-step enzymatic cascade reaction. Biotechnology Letters, 2017, 39, 1141-1148.	2.2	16
56	Prostaglandin synthases: Molecular characterization and involvement in prostaglandin biosynthesis. Progress in Lipid Research, 2017, 66, 50-68.	11.6	73
57	The Ginsenoside Derivative 20(S)â€Protopanaxadiol Inhibits Solar Ultraviolet Lightâ€Induced Matrix Metalloproteinaseâ€1 Expression. Journal of Cellular Biochemistry, 2017, 118, 3756-3764.	2.6	13
58	Crystal structures of an atypical aldehyde dehydrogenase having bidirectional oxidizing and reducing activities. International Journal of Biological Macromolecules, 2017, 105, 816-824.	7.5	5
59	Structure-based prediction and identification of 4-epimerization activity of phosphate sugars in class II aldolases. Scientific Reports, 2017, 7, 1934.	3.3	6
60	Gene cloning of an efficiency oleate hydratase from Stenotrophomonas nitritireducens for polyunsaturated fatty acids and its application in the conversion of plant oils to 10â€hydroxy fatty acids. Biotechnology and Bioengineering, 2017, 114, 74-82.	3.3	15
61	Production of 10S-hydroxy-8(E)-octadecenoic acid from oleic acid by whole recombinant Escherichia coli cells expressing 10S-dioxygenase from Nostoc punctiforme PCC 73102 with the aid of a chaperone. Biotechnology Letters, 2017, 39, 133-139.	2.2	5
62	Complete genome sequence of Stenotrophomonas sp. KACC 91585, an efficient bacterium for unsaturated fatty acid hydration. Journal of Biotechnology, 2017, 241, 108-111.	3.8	1
63	Biotransformation of fatty acid-rich tree oil hydrolysates to hydroxy fatty acid-rich hydrolysates by hydroxylases and their feasibility as biosurfactants. Biotechnology and Bioprocess Engineering, 2017, 22, 709-716.	2.6	4
64	Improved conversion of ginsenoside Rb1 to compound K by semi-rational design of Sulfolobus solfataricus Î²-glycosidase. AMB Express, 2017, 7, 186.	3.0	16
65	Synergistic production of 20(S)-protopanaxadiol from protopanaxadiol-type ginsenosides by Î²-glycosidases from Dictyoglomus turgidum and Caldicellulosiruptor bescii. AMB Express, 2017, 7, 219.	3.0	3
66	Alternative Biotransformation of Retinal to Retinoic Acid or Retinol by an Aldehyde Dehydrogenase from Bacillus cereus. Applied and Environmental Microbiology, 2016, 82, 3940-3946.	3.1	26
67	Simultaneous Enzyme/Whole-Cell Biotransformation of Plant Oils into C9 Carboxylic Acids. ACS Catalysis, 2016, 6, 7547-7553.	11.2	53
68	Production of 7,8-Dihydroxy Unsaturated Fatty Acids from Plant Oils by Whole Recombinant Cells Expressing 7,8-Linoleate Diol Synthase from Glomerella cingulata. Journal of Agricultural and Food Chemistry, 2016, 64, 8555-8562.	5.2	5
69	Increased Production of Food-Grade <scp>d</scp>-Tagatose from <scp>d</scp>-Galactose by Permeabilized and Immobilized Cells of Corynebacterium glutamicum, a GRAS Host, Expressing <scp>d</scp>-Galactose Isomerase from Geobacillus thermodenitrificans. Journal of Agricultural and Food Chemistry, 2016, 64, 8146-8153.	5.2	37
70	Characterization of a recombinant 7,8-linoleate diol synthase from Glomerella cingulate. Applied Microbiology and Biotechnology, 2016, 100, 3087-3099.	3.6	8
71	Production of Î´-decalactone from linoleic acid via 13-hydroxy-9(Z)-octadecenoic acid intermediate by one-pot reaction using linoleate 13-hydratase and whole Yarrowia lipolytica cells. Biotechnology Letters, 2016, 38, 817-823.	2.2	13
72	Production of 10R-hydroxy unsaturated fatty acids from hempseed oil hydrolyzate by recombinant Escherichia coli cells expressing PpoC from Aspergillus nidulans. Applied Microbiology and Biotechnology, 2016, 100, 7933-7944.	3.6	3

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73	Promotion of adipogenesis by 15-(S)-hydroxyeicosatetraenoic acid. Prostaglandins and Other Lipid Mediators, 2016, 123, 1-8.	1.9	21
74	13â€Hydroxyâ€9Z,15Zâ€Octadecadienoic Acid Production by Recombinant Cells Expressing Lactobacillus acidophilus 13â€Hydratase. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 649-655.	1.9	5
75	Characterization of a novel 8R,11S-linoleate diol synthase from Penicillium chrysogenum by identification of its enzymatic products. Journal of Lipid Research, 2016, 57, 207-218.	4.2	15
76	Classification of glycosidases that hydrolyze the specific positions and types of sugar moieties in ginsenosides. Critical Reviews in Biotechnology, 2016, 36, 1036-1049.	9.0	66
77	Production of d-psicose from d-fructose by whole recombinant cells with high-level expression of d-psicose 3-epimerase from Agrobacterium tumefaciens. Journal of Bioscience and Bioengineering, 2016, 121, 186-190.	2.2	29
78	D-Allulose Production from D-Fructose by Permeabilized Recombinant Cells of Corynebacterium glutamicum Cells Expressing D-Allulose 3-Epimerase Flavonifractor plautii. PLoS ONE, 2016, 11, e0160044.	2.5	40
79	Crystallographic snapshots of active site metal shift in E. coli fructose 1,6-bisphosphate aldolase. BMB Reports, 2016, 49, 681-686.	2.4	7
80	Unveiling of novel regioâ€selective fatty acid double bond hydratases from Lactobacillus acidophilus involved in the selective oxyfunctionalization of monoâ€and diâ€hydroxy fatty acids. Biotechnology and Bioengineering, 2015, 112, 2206-2213.	3.3	30
81	Selective Production of 9R-Hydroxy-10E,12Z,15Z-Octadecatrienoic Acid from Î±-Linolenic Acid in Perilla Seed Oil Hydrolyzate by a Lipoxygenase from Nostoc Sp. SAG 25.82. PLoS ONE, 2015, 10, e0137785.	2.5	12
82	Microbial Synthesis of Plant Oxylipins from Î³-Linolenic Acid through Designed Biotransformation Pathways. Journal of Agricultural and Food Chemistry, 2015, 63, 2773-2781.	5.2	29
83	Production of 13S-hydroxy-9(Z)-octadecenoic acid from linoleic acid by whole recombinant cells expressing linoleate 13-hydratase from Lactobacillus acidophilus. Journal of Biotechnology, 2015, 208, 1-10.	3.8	29
84	20-O-Î²-D-glucopyranosyl-20(S)-protopanaxadiol, a metabolite of ginsenoside Rb1, enhances the production of hyaluronic acid through the activation of ERK and Akt mediated by Src tyrosin kinase in human keratinocytes. International Journal of Molecular Medicine, 2015, 35, 1388-1394.	4.0	28
85	Production of 8-hydroxy-9,12(Z,Z)-octadecadienoic acid from linoleic acid by recombinant cells expressing H1004A-C1006S variant of Aspergillus nidulans diol synthase. Journal of Molecular Catalysis B: Enzymatic, 2015, 115, 35-42.	1.8	10
86	Production of 5,8-dihydroxy-9(Z)-octadecenoic acid from oleic acid by whole recombinant cells of Aspergillus nidulans expressing diol synthase. Biotechnology Letters, 2015, 37, 131-137.	2.2	3
87	Biotransformation of Linoleic Acid into Hydroxy Fatty Acids and Carboxylic Acids Using a Linoleate Double Bond Hydratase as Key Enzyme. Advanced Synthesis and Catalysis, 2015, 357, 408-416.	4.3	58
88	Characterization of alcohol dehydrogenase from Kangiella koreensis and its application to production of all-trans-retinol. Biotechnology Letters, 2015, 37, 849-856.	2.2	6
89	5,8â€Dihydroxyâ€9,12,15(Z,Z,Z)â€Octadecatrienoic Acid Production by Recombinant Cells Expressing Aspergillus nidulans Diol Synthase. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 193-202.	1.9	4
90	Substrate specificity of Î²-glucosidase from Gordonia terrae for ginsenosides and its application in the production of ginsenosides Rg3, Rg2, and Rh1 from ginseng root extract. Journal of Bioscience and Bioengineering, 2015, 119, 497-504.	2.2	20

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91	Characterization of an omega-6 linoleate lipoxygenase from Burkholderia thailandensis and its application in the production of 13-hydroxyoctadecadienoic acid. Applied Microbiology and Biotechnology, 2015, 99, 5487-5497.	3.6	30
92	An amino acid at position 512 in Î²-glucosidase from Clavibacter michiganensis determines the regioselectivity for hydrolyzing gypenoside XVII. Applied Microbiology and Biotechnology, 2015, 99, 7987-7996.	3.6	3
93	13â€Hydroxyâ€9Z,11Eâ€Octadecadienoic Acid Production by Recombinant Cells Expressing Burkholderia thailandensis 13â€Lipoxygenase. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 1259-1266.	1.9	13
94	Production of 10-hydroxy-12,15(Z,Z)-octadecadienoic acid from Î±-linolenic acid by permeabilized Stenotrophomonas nitritireducens cells. Biotechnology Letters, 2015, 37, 2271-2277.	2.2	7
95	Biochemical properties of retinoid-converting enzymes and biotechnological production of retinoids. Applied Microbiology and Biotechnology, 2015, 99, 7813-7826.	3.6	17
96	Compound K Production from Red Ginseng Extract by Î²-Glycosidase from Sulfolobus solfataricus Supplemented with Î±-L-Arabinofuranosidase from Caldicellulosiruptor saccharolyticus. PLoS ONE, 2015, 10, e0145876.	2.5	31
97	15-Hydroxyeicosatetraenoic Acid Inhibits Phorbol-12-Myristate-13-Acetate-Induced MUC5AC Expression in NCI-H292 Respiratory Epithelial Cells. Journal of Microbiology and Biotechnology, 2015, 25, 589-597.	2.1	12
98	Characterization of Î²-xylosidase from Thermoanaerobacterium thermosaccharolyticum and its application to the production of ginsenosides Rg1 and Rh1 from notoginsenosides R1 and R2. Biotechnology Letters, 2014, 36, 2275-2281.	2.2	19
99	Stereospecific production of 9R-hydroxy-10E,12Z-octadecadienoic acid from linoleic acid by recombinant Escherichia coli cells expressing 9R-lipoxygenase from Nostoc sp. SAG 25.82. Journal of Molecular Catalysis B: Enzymatic, 2014, 104, 56-63.	1.8	7
100	Production of ginsenosides Rg1 and Rh1 by hydrolyzing the outer glycoside at the C-6 position in protopanaxatriol-type ginsenosides using Î²-glucosidase from Pyrococcus furiosus. Biotechnology Letters, 2014, 36, 113-119.	2.2	14
101	Highly selective hydrolysis for the outer glucose at the C-20 position in ginsenosides by Î²-glucosidase from Thermus thermophilus and its application to the production of ginsenoside F2 from gypenoside XVII. Biotechnology Letters, 2014, 36, 1287-1293.	2.2	13
102	l-Ribose Production from l-Arabinose by Immobilized Recombinant Escherichia coli Co-expressing the l-Arabinose Isomerase and Mannose-6-Phosphate Isomerase Genes from Geobacillus thermodenitrificans. Applied Biochemistry and Biotechnology, 2014, 172, 275-288.	2.9	17
103	Characterization of a novel recombinant Î²-glucosidase from Sphingopyxis alaskensis that specifically hydrolyzes the outer glucose at the C-3 position in protopanaxadiol-type ginsenosides. Journal of Biotechnology, 2014, 172, 30-37.	3.8	37
104	Molecular characterization of an aldo-keto reductase from Marivirga tractuosa that converts retinal to retinol. Journal of Biotechnology, 2014, 169, 23-33.	3.8	6
105	RNA aptamer-conjugated liposome as an efficient anticancer drug delivery vehicle targeting cancer cells in vivo. Journal of Controlled Release, 2014, 196, 234-242.	9.9	123
106	Production of aglycone protopanaxatriol from ginseng root extract using Dictyoglomus turgidum Î²-glycosidase that specifically hydrolyzes the xylose at the C-6 position and the glucose in protopanaxatriol-type ginsenosides. Applied Microbiology and Biotechnology, 2014, 98, 3659-3667.	3.6	14
107	Production of 5,8-dihydroxy-9,12(Z,Z)-octadecadienoic acid from linoleic acid by whole recombinant Escherichia coli cells expressing diol synthase from Aspergillus nidulans. Applied Microbiology and Biotechnology, 2014, 98, 7447-7456.	3.6	28
108	Characterization of a F280N variant of l-arabinose isomerase from Geobacillus thermodenitrificans identified as a d-galactose isomerase. Applied Microbiology and Biotechnology, 2014, 98, 9271-9281.	3.6	27

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109	Enzymatic Production of 15-Hydroxyeicosatetraenoic Acid from Arachidonic Acid by Using Soybean Lipoxygenase. Journal of Microbiology and Biotechnology, 2014, 24, 359-362.	2.1	11
110	Production of hydroxy fatty acids by microbial fatty acid-hydroxylation enzymes. Biotechnology Advances, 2013, 31, 1473-1485.	11.7	151
111	Production of 10-hydroxy-12,15(Z,Z)-octadecadienoic acid from Î±-linolenic acid by permeabilized cells of recombinant Escherichia coli expressing the oleate hydratase gene of Stenotrophomonas maltophilia. Biotechnology Letters, 2013, 35, 1487-1493.	2.2	15
112	Increased production of Î³-lactones from hydroxy fatty acids by whole Waltomyces lipofer cells induced with oleic acid. Applied Microbiology and Biotechnology, 2013, 97, 8265-8272.	3.6	19
113	Î²-Glucosidase from Penicillium aculeatum hydrolyzes exo-, 3-O-, and 6-O-Î²-glucosides but not 20-O-Î²-glucoside and other glycosides of ginsenosides. Applied Microbiology and Biotechnology, 2013, 97, 6315-6324.	3.6	20
114	Borate enhances the production of lactulose from lactose by cellobiose 2-epimerase from Caldicellulosiruptor saccharolyticus. Bioresource Technology, 2013, 128, 809-812.	9.6	42
115	Characterization of a recombinant l-rhamnose isomerase from Dictyoglomus turgidum and its application for l-rhamnulose production. Biotechnology Letters, 2013, 35, 259-264.	2.2	23
116	Increase in the production of Î²-carotene in recombinant Escherichia coli cultured in a chemically defined medium supplemented with amino acids. Biotechnology Letters, 2013, 35, 265-271.	2.2	29
117	Complete conversion of major protopanaxadiol ginsenosides to compound K by the combined use of Î±-l-arabinofuranosidase and Î²-galactosidase from Caldicellulosiruptor saccharolyticus and Î²-glucosidase from Sulfolobus acidocaldarius. Journal of Biotechnology, 2013, 167, 33-40.	3.8	21
118	Multistep Enzymatic Synthesis of Longâ€Chain Î±,Ï‰â€Dicarboxylic and Ï‰â€Hydroxycarboxylic Acids from Renewable Fatty Acids and Plant Oils. Angewandte Chemie - International Edition, 2013, 52, 2534-2537.	13.8	186
119	Production of a novel compound, 10,12-dihydroxystearic acid from ricinoleic acid by an oleate hydratase from Lysinibacillus fusiformis. Applied Microbiology and Biotechnology, 2013, 97, 8987-8995.	3.6	21
120	Hydrolysis of Flavanone Glycosides by Î²-Glucosidase from Pyrococcus furiosus and Its Application to the Production of Flavanone Aglycones from Citrus Extracts. Journal of Agricultural and Food Chemistry, 2013, 61, 11532-11540.	5.2	42
121	Characterization of a recombinant mannobiose 2-epimerase from Spirochaeta thermophila that is suggested to be a cellobiose 2-epimerase. Biotechnology Letters, 2013, 35, 1873-1880.	2.2	29
122	New Biotransformation Process for Production of the Fragrant Compound Î³-Dodecalactone from 10-Hydroxystearate by Permeabilized Waltomyces lipofer Cells. Applied and Environmental Microbiology, 2013, 79, 2636-2641.	3.1	44
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