

Yong-Hua Wang

List of Publications by Year in descending order

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164
papers

3,871
citations

147566

31
h-index

174990

52
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164
all docs

164
docs citations

164
times ranked

3673
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalytic Oxidation Reactions: A Chemist's Perspective. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9238-9261.	7.2	342
2	The Lid Domain in Lipases: Structural and Functional Determinant of Enzymatic Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 16.	2.0	243
3	Peroxygenases en route to becoming dream catalysts. What are the opportunities and challenges?. <i>Current Opinion in Chemical Biology</i> , 2017, 37, 1-9.	2.8	198
4	One-step synthesis of high-yield biodiesel from waste cooking oils by a novel and highly methanol-tolerant immobilized lipase. <i>Bioresource Technology</i> , 2017, 235, 18-24.	4.8	102
5	A functional natural deep eutectic solvent based on trehalose: Structural and physicochemical properties. <i>Food Chemistry</i> , 2017, 217, 560-567.	4.2	99
6	The application of ultrasound and microwave to increase oil extraction from <i>Moringa oleifera</i> seeds. <i>Industrial Crops and Products</i> , 2018, 120, 1-10.	2.5	91
7	Optimization of enzymatic degumming process for rapeseed oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 653-658.	0.8	84
8	Identification and Evaluation of Inhibitors of Lipase from <i>Malassezia restricta</i> using Virtual High-Throughput Screening and Molecular Dynamics Studies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 884.	1.8	72
9	Furan fatty acids " Beneficial or harmful to health?. <i>Progress in Lipid Research</i> , 2017, 68, 119-137.	5.3	63
10	Establishment of an Evaluation Model for Human Milk Fat Substitutes. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 642-649.	2.4	61
11	Chemoenzymatic epoxidation of alkenes with <i>Candida antarctica</i> lipase B and hydrogen peroxide in deep eutectic solvents. <i>RSC Advances</i> , 2017, 7, 12518-12523.	1.7	61
12	Crystal structure of a mono- and diacylglycerol lipase from <i>Malassezia globosa</i> reveals a novel lid conformation and insights into the substrate specificity. <i>Journal of Structural Biology</i> , 2012, 178, 363-369.	1.3	59
13	Production of extremely pure diacylglycerol from soybean oil by lipase-catalyzed glycerolysis. <i>Enzyme and Microbial Technology</i> , 2011, 49, 192-196.	1.6	52
14	Enzymatic selective synthesis of 1,3-DAG based on deep eutectic solvent acting as substrate and solvent. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 2053-2061.	1.7	52
15	Screening and characterization of a thermostable lipase from marine <i>Streptomyces</i> sp. strain W007. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 41-50.	1.4	46
16	Enzymatic Production of Monoacylglycerols with Camellia Oil by the Glycerolysis Reaction. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 531-537.	0.8	44
17	Crystal structure of a lipase from <i>Streptomyces</i> sp. strain W007 " implications for thermostability and regiospecificity. <i>FEBS Journal</i> , 2017, 284, 3506-3519.	2.2	44
18	Immobilized MAS1 lipase showed high esterification activity in the production of triacylglycerols with n-3 polyunsaturated fatty acids. <i>Food Chemistry</i> , 2017, 216, 260-267.	4.2	43

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19	Hydrolysis of soybean oil to produce diacylglycerol by a lipase from <i>Rhizopus oryzae</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 115, 43-50.	1.8	42
20	Production of lipase SMG1 and its application in synthesizing diacylglycerol. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 87-91.	1.8	41
21	Photoenzymatic Production of Next Generation Biofuels from Natural Triglycerides Combining a Hydrolase and a Photodecarboxylase. <i>ChemPhotoChem</i> , 2020, 4, 39-44.	1.5	41
22	Deep Eutectic Solvents Enable More Robust Chemoenzymatic Epoxidation Reactions. <i>ChemCatChem</i> , 2017, 9, 934-936.	1.8	39
23	Production, purification and application of polysaccharide-based bioflocculant by <i>Paenibacillus mucilaginosus</i> . <i>Carbohydrate Polymers</i> , 2014, 113, 463-470.	5.1	38
24	A Novel Cold-Active Lipase from <i>Candida albicans</i> : Cloning, Expression and Characterization of the Recombinant Enzyme. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3950-3965.	1.8	37
25	A process for the synthesis of PUFA-enriched triglycerides from high-acid crude fish oil. <i>Journal of Food Engineering</i> , 2012, 109, 366-371.	2.7	37
26	New insights on unspecific peroxygenases: superfamily reclassification and evolution. <i>BMC Evolutionary Biology</i> , 2019, 19, 76.	3.2	37
27	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019, 12, 1310-1315.	3.6	37
28	Physical properties and stability evaluation of fish oil-in-water emulsions stabilized using thiol-modified β -lactoglobulin fibrils-chitosan complex. <i>Food Research International</i> , 2018, 105, 482-491.	2.9	36
29	Site-directed mutagenesis studies of the aromatic residues at the active site of a lipase from <i>Malassezia globosa</i> . <i>Biochimie</i> , 2014, 102, 29-36.	1.3	34
30	Biocatalytic synthesis of lactones and lactams. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3601-3610.	1.7	34
31	Immobilization of SMG1-F278N lipase onto a novel epoxy resin: Characterization and its application in synthesis of partial glycerides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 154-160.	1.8	33
32	Shotgun Lipidomics Revealed Altered Profiles of Serum Lipids in Systemic Lupus Erythematosus Closely Associated with Disease Activity. <i>Biomolecules</i> , 2018, 8, 105.	1.8	33
33	Production of Structured Phosphatidylcholine with High Content of DHA/EPA by Immobilized Phospholipase A1-Catalyzed Transesterification. <i>International Journal of Molecular Sciences</i> , 2014, 15, 15244-15258.	1.8	32
34	Simplified Enzymatic Upgrading of High-Acid Rice Bran Oil Using Ethanol as a Novel Acyl Acceptor. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6730-6737.	2.4	32
35	Effects of organic solvents on activity and conformation of recombinant <i>Candida antarctica</i> lipase A produced by <i>Pichia pastoris</i> . <i>Process Biochemistry</i> , 2012, 47, 533-537.	1.8	30
36	Enhancing production of lipase MAS1 from marine <i>Streptomyces</i> sp. strain in <i>Pichia pastoris</i> by chaperones co-expression. <i>Electronic Journal of Biotechnology</i> , 2016, 22, 62-67.	1.2	30

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37	A Thermostable Monoacylglycerol Lipase from Marine <i>Geobacillus</i> sp. 12AMOR1: Biochemical Characterization and Mutagenesis Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 780.	1.8	27
38	1,3- α -Dioleoyl-2- α -palmitoylglycerol-rich human milk fat substitutes: Production, purification, characterization and modeling of the formulation. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 282-290.	1.0	26
39	Natural Deep Eutectic Solvents as Performance Additives for Peroxygenase Catalysis. <i>ChemCatChem</i> , 2020, 12, 989-994.	1.8	26
40	Biochemical Properties of a New Cold-Active Mono- and Diacylglycerol Lipase from Marine Member <i>Janibacter</i> sp. Strain HTCC2649. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10554-10566.	1.8	25
41	Production of Diacylglycerol Mixture of Regioisomers with High Purity by Two-Step Enzymatic Reactions Combined with Molecular Distillation. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 251-259.	0.8	25
42	β -Oryzanol nanoemulsions produced by a low-energy emulsification method: an evaluation of process parameters and physicochemical stability. <i>Food and Function</i> , 2017, 8, 2202-2211.	2.1	25
43	A mutant T1 lipase homology modeling, and its molecular docking and molecular dynamics simulation with fatty acids. <i>Journal of Biotechnology</i> , 2021, 337, 24-34.	1.9	25
44	A Novel Process for the Synthesis of Highly Pure n-3 Polyunsaturated Fatty Acid (PUFA)-Enriched Triglycerides by Combined Transesterification and Ethanolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6533-6538.	2.4	24
45	Synthesis of DHA/EPA-rich phosphatidylcholine by immobilized phospholipase A1: effect of water addition and vacuum condition. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1305-1314.	1.7	24
46	Deep eutectic solvents as performance additives in biphasic reactions. <i>RSC Advances</i> , 2017, 7, 40367-40370.	1.7	24
47	Immobilization of lipase SMG1 and its application in synthesis of partial glycerides. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1063-1069.	1.0	23
48	Fatty acid specificity of <i>T1</i> lipase and its potential in acylglycerol synthesis. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1614-1621.	1.7	23
49	Enzymatic synthesis of phytosterol esters catalyzed by <i>Candida rugosa</i> lipase in water-in-[Bmim]PF ₆ microemulsion. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 939-946.	1.7	23
50	Molecular basis for substrate selectivity of a mono- and diacylglycerol lipase from <i>Malassezia globosa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 285-289.	1.0	22
51	Synthesis of Structured Lipids by Lipase-Catalyzed Interesterification of Triacetin with Camellia Oil Methyl Esters and Preliminary Evaluation of their Plasma Lipid-Lowering Effect in Mice. <i>Molecules</i> , 2013, 18, 3733-3744.	1.7	22
52	Evolution of the diacylglycerol lipases. <i>Progress in Lipid Research</i> , 2016, 64, 85-97.	5.3	22
53	High-level expression of <i>Thermomyces dupontii</i> thermo-alkaline lipase in <i>Pichia pastoris</i> under the control of different promoters. <i>3 Biotech</i> , 2019, 9, 33.	1.1	22
54	Chemoenzymatic Halocyclization of β -Unsaturated Carboxylic Acids and Alcohols. <i>ChemSusChem</i> , 2020, 13, 97-101.	3.6	22

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55	Enantioselective Sulfoxidation of Thioanisole by Cascading a Choline Oxidase and a Peroxygenase in the Presence of Natural Deep Eutectic Solvents. <i>ChemPlusChem</i> , 2020, 85, 254-257.	1.3	22
56	Conversion of a Mono- and Diacylglycerol Lipase into a Triacylglycerol Lipase by Protein Engineering. <i>ChemBioChem</i> , 2015, 16, 1431-1434.	1.3	20
57	Lipase-Driven Epoxidation Is A Two-Stage Synergistic Process. <i>ChemistrySelect</i> , 2016, 1, 836-839.	0.7	20
58	High-level expression of <i>Thermomyces dupontii</i> thermophilic lipase in <i>Pichia pastoris</i> via combined strategies. <i>3 Biotech</i> , 2019, 9, 62.	1.1	20
59	Typoselectivity of Crude <i>Geobacillus</i> sp. T1 Lipase Fused with a Cellulose-Binding Domain and Its Use in the Synthesis of Structured Lipids. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 55-62.	0.8	19
60	Rapid assessment of total MCPD esters in palm-based cooking oil using ATR-FTIR application and chemometric analysis. <i>Talanta</i> , 2019, 198, 215-223.	2.9	19
61	A highly efficient immobilized MAS1 lipase for the glycerolysis reaction of n-3 PUFA-rich ethyl esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 25-31.	1.8	18
62	Engineering a lipase B from <i>Candida antactica</i> with efficient perhydrolysis performance by eliminating its hydrolase activity. <i>Scientific Reports</i> , 2017, 7, 44599.	1.6	18
63	How To Break the Janus Effect of H ₂ O ₂ in Biocatalysis? Understanding Inactivation Mechanisms To Generate more Robust Enzymes. <i>ACS Catalysis</i> , 2019, 9, 2916-2921.	5.5	18
64	Production of fatty alcohols from non-edible oils by enzymatic cascade reactions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4232-4237.	2.5	18
65	Biochemical Properties of Recombinant Leucine Aminopeptidase II from <i>Bacillus stearothermophilus</i> and Potential Applications in the Hydrolysis of Chinese Anchovy (<i>Engraulis</i>) Tj ETQq1 1 0.784314 ngBT /Overlock 10 Tfr	0.7	18
66	Lipase-Catalyzed Incorporation of Different Fatty Acids into Tripalmitin-Enriched Triacylglycerols: Effect of Reaction Parameters. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2377-2384.	2.4	17
67	Enzymatic Synthesis of Diacylglycerols Enriched with Conjugated Linoleic Acid by a Novel Lipase from <i>Malassezia globosa</i> . <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 1259-1266.	0.8	17
68	Structure of product-bound SMG1 lipase: active site gating implications. <i>FEBS Journal</i> , 2015, 282, 4538-4547.	2.2	17
69	Production and immobilization of lipase PCL and its application in synthesis of γ -linolenic acid-rich diacylglycerol. <i>Journal of Food Biochemistry</i> , 2018, 42, e12574.	1.2	17
70	Comprehensive Identification of Principal Lipid Classes and Tocochromanols in Silkworm (<i>Antheraea</i>) Tj ETQq0 0 0 ngBT /Overlock 10 Tfr 1900280.	1.0	17
71	Optimized Extraction of Total Triterpenoids from Jujube (<i>Ziziphus jujuba</i> Mill.) and Comprehensive Analysis of Triterpenic Acids in Different Cultivars. <i>Plants</i> , 2020, 9, 412.	1.6	17
72	Structure-Guided Rational Design of a Mono- and Diacylglycerol Lipase from <i>Aspergillus oryzae</i> : A Single Residue Mutant Increases the Hydrolysis Ability. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5344-5352.	2.4	17

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73	Rational Design of an Artificial Nuclease by Engineering a Hetero-Dinuclear Center of Mg-Heme in Myoglobin. <i>ACS Catalysis</i> , 2020, 10, 14359-14365.	5.5	17
74	A two-stage enzymatic process for synthesis of extremely pure high oleic glycerol monooleate. <i>Enzyme and Microbial Technology</i> , 2011, 48, 143-147.	1.6	16
75	Enzymatic hydrolysis of palm stearin to produce diacylglycerol with a highly thermostable lipase. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 564-570.	1.0	16
76	Residue Asn277 Affects the Stability and Substrate Specificity of the SMG1 Lipase from <i>Malassezia globosa</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 7273-7288.	1.8	16
77	Immobilized <i>Talaromyces thermophilus</i> lipase as an efficient catalyst for the production of LML-type structured lipids. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 321-329.	1.7	16
78	An Innovative Deacidification Approach for Producing Partial Glycerides-Free Rice Bran Oil. <i>Food and Bioprocess Technology</i> , 2017, 10, 1154-1161.	2.6	15
79	A Thermolabile Phospholipase B from <i>Talaromyces marneffeii</i> GD-0079: Biochemical Characterization and Structure Dynamics Study. <i>Biomolecules</i> , 2020, 10, 231.	1.8	15
80	Enzymatic Synthesis of Extremely Pure Triacylglycerols Enriched in Conjugated Linoleic Acids. <i>Molecules</i> , 2013, 18, 9704-9716.	1.7	14
81	Biochemical Properties and Structure Analysis of a DAG-Like Lipase from <i>Malassezia globosa</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 4865-4879.	1.8	14
82	A novel and highly efficient approach for the production of biodiesel from high-acid content waste cooking oil. <i>Catalysis Communications</i> , 2017, 102, 76-80.	1.6	14
83	A comparative study on kinetics and substrate specificities of Phospholipase A1 with <i>Thermomyces lanuginosus</i> lipase. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 149-154.	5.0	14
84	Fabrication of Concentrated Palm Olein-Based Diacylglycerol Oil- <i>in</i> -Water Emulsion: In-Depth Study of the Rheological Properties and Storage Stability. <i>Foods</i> , 2020, 9, 877.	1.9	14
85	<i>Malassezia globosa</i> Mg MDL2 lipase: Crystal structure and rational modification of substrate specificity. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 259-265.	1.0	13
86	A Feasible Industrialized Process for Producing High Purity Diacylglycerols with No Contaminants. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1900039.	1.0	13
87	Enzymatic fractionation of conjugated linoleic acid isomers by selective esterification. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 46, 20-25.	1.8	12
88	A mechanistic study into the epoxidation of carboxylic acid and alkene in a mono, di-acylglycerol lipase. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 392-396.	1.0	12
89	Control of sticky deposits in wastepaper recycling with thermophilic esterase. <i>Cellulose</i> , 2017, 24, 311-321.	2.4	12
90	Recombinant Lipase from <i>Gibberella zeae</i> Exhibits Broad Substrate Specificity: A Comparative Study on Emulsified and Monomolecular Substrate. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1535.	1.8	12

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91	Highly Efficient Deacidification of High-Acid Rice Bran Oil Using Methanol as a Novel Acyl Acceptor. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1061-1072.	1.4	12
92	An Efficient Synthesis of Lysophosphatidylcholine Enriched with n-3 Polyunsaturated Fatty Acids by Immobilized MAS1 Lipase. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 242-249.	2.4	12
93	Integrated Utilization Strategy for Soybean Oil Deodorizer Distillate: Synergically Synthesizing Biodiesel and Recovering Bioactive Compounds by a Combined Enzymatic Process and Molecular Distillation. <i>ACS Omega</i> , 2021, 6, 9141-9152.	1.6	12
94	Water-in-oil emulsions enriched with alpha-linolenic acid in diacylglycerol form: Stability, formation mechanism and in vitro digestion analysis. <i>Food Chemistry</i> , 2022, 391, 133201.	4.2	12
95	Optimal Production and Biochemical Properties of a Lipase from <i>Candida albicans</i> . <i>International Journal of Molecular Sciences</i> , 2011, 12, 7216-7237.	1.8	11
96	A ß-bridge-like structure responsible for the substrate selectivity of mono- and diacylglycerol lipase from <i>Aspergillus oryzae</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 144-149.	1.8	11
97	Oligomer-dependent and -independent chaperone activity of sHsps in different stressed conditions. <i>FEBS Open Bio</i> , 2015, 5, 155-162.	1.0	11
98	Sequence-based proline incorporation improves the thermostability of <i>Candida albicans</i> lipase Lip5. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 821-826.	1.0	11
99	Site-directed mutagenesis studies of hydrophobic residues in the lid region of T1 lipase. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600107.	1.0	11
100	Preparation of Highly Pure n-3 PUFA-Enriched Triacylglycerols by Two-Step Enzymatic Reactions Combined with Molecular Distillation. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 225-233.	0.8	11
101	Highly Efficient and Enzyme-Recoverable Method for Enzymatic Concentrating Omega-3 Fatty Acids Generated by Hydrolysis of Fish Oil in a Substrate-Constituted Three-Liquid-Phase System. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2570-2580.	2.4	11
102	Novel inhibitor against <i>Malassezia globosa</i> LIP1 (SMG1), a potential anti-dandruff target. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3464-3467.	1.0	10
103	Immobilization of <i>Candida antarctica</i> Lipase B Onto ECR1030 Resin and its Application in the Synthesis of n-3 PUFA-Rich Triacylglycerols. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700266.	1.0	10
104	Enhancing H ₂ O ₂ resistance of an esterase from <i>Pyrobaculum calidifontis</i> by structure-guided engineering of the substrate binding site. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5689-5697.	1.7	10
105	Improving the Catalytic Activity and Thermostability of MAS1 Lipase by Alanine Substitution. <i>Molecular Biotechnology</i> , 2018, 60, 319-328.	1.3	10
106	A novel and environmentally friendly bioprocess for separation and partial purification of polysaccharides from <i>Cordyceps sinensis</i> mycelia by an aqueous two-phase system. <i>RSC Advances</i> , 2017, 7, 37659-37665.	1.7	9
107	Choline-Chloride-Based Eutectic Solvent for the Efficient Production of Docosahexaenoyl and Eicosapentaenoyl Ethanolamides via an Enzymatic Process. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12361-12367.	2.4	9
108	Development of a sensitive and quantitative method for the identification of two major furan fatty acids in human plasma. <i>Journal of Lipid Research</i> , 2020, 61, 560-569.	2.0	9

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109	Biochemical Properties and Potential Applications of Recombinant Leucine Aminopeptidase from <i>Bacillus kaustophilus</i> CCRC 11223. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7609-7625.	1.8	8
110	Deep Eutectic Solvents Enable the Enhanced Production of ω -3 PUFA-Enriched Triacylglycerols. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700300.	1.0	8
111	Synthesis of conjugated linoleic acid-rich triacylglycerols by immobilized mutant lipase with excellent capability and recyclability. <i>Enzyme and Microbial Technology</i> , 2018, 117, 56-63.	1.6	8
112	Structure and characterization of <i>Aspergillus fumigatus</i> lipase B with a unique, oversized regulatory subdomain. <i>FEBS Journal</i> , 2019, 286, 2366-2380.	2.2	8
113	Changes in 3-, 2-Monochloropropanediol and Glycidyl Esters during a Conventional Baking System with Addition of Antioxidants. <i>Foods</i> , 2020, 9, 739.	1.9	8
114	Cascade Synthesis from Cyclohexane to ϵ -Caprolactone by Visible-Light-Driven Photocatalysis Combined with Whole-Cell Biological Oxidation. <i>ChemBioChem</i> , 2020, 21, 1852-1855.	1.3	8
115	Two-step enzymatic synthesis of \pm -linolenic acid-enriched diacylglycerols with high purities from silkworm pupae oil. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 627-634.	1.7	8
116	Crystal Structure of a Phospholipase D from the Plant-Associated Bacteria <i>Serratia plymuthica</i> Strain AS9 Reveals a Unique Arrangement of Catalytic Pocket. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3219.	1.8	8
117	Enhancing the thermostability of a mono- and diacylglycerol lipase from <i>Malasszia globose</i> by stabilizing a flexible loop in the catalytic pocket. <i>Enzyme and Microbial Technology</i> , 2021, 149, 109849.	1.6	8
118	More efficient enzymatic cascade reactions by spatially confining enzymes via the SpyTag/SpyCatcher technology. <i>Molecular Catalysis</i> , 2022, 521, 112188.	1.0	8
119	Molecular modeling of substrate selectivity of <i>Candida antarctica</i> lipase B and <i>Candida rugosa</i> lipase towards c9, t11- and t10, c12-conjugated linoleic acid. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 299-303.	1.8	7
120	Efficient purification of native recombinant proteins using proteases immobilized on cellulose. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 542-544.	1.1	7
121	Substrate-constituted three-liquid-phase system: a green, highly efficient and recoverable platform for interfacial enzymatic reactions. <i>Chemical Communications</i> , 2015, 51, 12943-12946.	2.2	7
122	Hydrolysis of lysophosphatidylcholines by a lipase from <i>Malassezia globosa</i> . <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1655-1658.	1.0	7
123	Lid mobility in lipase SMG1 validated using a thiol/disulfide redox potential probe. <i>FEBS Open Bio</i> , 2016, 6, 477-483.	1.0	7
124	Acyl Chain Specificity of Marine <i>Streptomyces klenkii</i> Phospholipase D and Its Application in Enzymatic Preparation of Phosphatidylserine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10580.	1.8	7
125	Profiling substrate specificity of Lecitase Ultra to different kinds of phospholipids using monolayer technology. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600175.	1.0	6
126	Synthesis of CLA-Rich Lysophosphatidylcholine by Immobilized MAS1-H108A-Catalyzed Esterification: Effects of the Parameters and Monitoring of the Reaction Process. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700529.	1.0	6

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127	Properties of immobilized MAS1-H108A lipase and its application in the efficient synthesis of n-3 PUFA-rich triacylglycerols. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 575-584.	1.7	6
128	A Highly Efficient Three-Liquid-Phase-Based Enzymatic One-Pot Multistep Reaction System with Recoverable Enzymes for the Synthesis of Biodiesel. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5481-5490.	2.4	6
129	Host-guest interactions between oleic acid and β -cyclodextrin: A combined experimental and theoretical study. <i>Food Chemistry</i> , 2022, 387, 132910.	4.2	6
130	Isolation, Purification, and Properties of a Novel Small Heat Shock Protein from the Hyperthermophile <i>Sulfolobus solfataricus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 476-485.	1.4	5
131	Expression and Characterization of a Novel Glycerophosphodiester Phosphodiesterase from <i>Pyrococcus furiosus</i> DSM 3638 That Possesses Lysophospholipase D Activity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 831.	1.8	5
132	Diacylglycerol production by genetically modified lipase from <i>Malassezia globosa</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S204-S212.	1.8	5
133	Open and closed states of Mrlip1 DAG lipase revealed by molecular dynamics simulation. <i>Molecular Simulation</i> , 2018, 44, 1520-1528.	0.9	5
134	An Efficient Strategy for the Production of Epoxidized Oils: Natural Deep Eutectic Solvent-Based Enzymatic Epoxidation. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2019, 96, 671-679.	0.8	5
135	UPObase: an online database of unspecific peroxygenases. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	5
136	Chemoenzymatic Halocyclization of α -Unsaturated Carboxylic Acids and Alcohols. <i>ChemSusChem</i> , 2020, 13, 5-5.	3.6	5
137	Enhancement of Phospholipid Binding and Catalytic Efficiency of <i>Streptomyces klenkii</i> Phospholipase D by Increasing Hydrophobicity of the Active Site Loop. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11110-11120.	2.4	5
138	Structural Basis for the Regiospecificity of a Lipase from <i>Streptomyces</i> sp. W007. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5822.	1.8	5
139	PRODUCTION AND OXIDATIVE STABILITY OF A SOYBEAN OIL CONTAINING CONJUGATED LINOLEIC ACID PRODUCED BY LIPASE CATALYSIS. <i>Journal of Food Biochemistry</i> , 2011, 35, 1612-1618.	1.2	4
140	Effect of N- and C-Terminal Amino Acids on the Interfacial Binding Properties of Phospholipase D from <i>Vibrio parahaemolyticus</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2447.	1.8	4
141	Insight into the Modification of Phosphatidylcholine with n-3 Polyunsaturated Fatty Acids-Rich Ethyl Esters by Immobilized MAS1 Lipase. <i>Molecules</i> , 2019, 24, 3528.	1.7	4
142	Deletion the C-terminal peptides of <i>Vibrio harveyi</i> phospholipase D significantly improved its enzymatic properties. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 1140-1147.	3.6	4
143	Simultaneous preparation of edible quality medium and high purity diacylglycerol by a novel combined approach. <i>LWT - Food Science and Technology</i> , 2021, 150, 111949.	2.5	4
144	Thermal properties, oxidative stability, and frying applicability of highly pure soybean-based diacylglycerol oil. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	4

#	ARTICLE	IF	CITATIONS
145	Study on green extraction of limonene from orange peel and cascade catalysis to produce carvol and carvone in deep eutectic solvents. <i>Flavour and Fragrance Journal</i> , 2022, 37, 254-261.	1.2	4
146	Engineered lipase from <i>Janibacter</i> sp. with high thermal stability to efficiently produce long-medium-long triacylglycerols. <i>LWT - Food Science and Technology</i> , 2022, 165, 113675.	2.5	4
147	Substrate selectivity and optimization of immobilized SMG1 α lipase in synthesis of propylene glycol monooleate. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600423.	1.0	3
148	A novel strategy to improve the thermostability of <i>Penicillium camembertii</i> mono- and di-acylglycerol lipase. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 639-644.	1.0	3
149	Function of C-terminal peptides on enzymatic and interfacial adsorption properties of lipase from <i>Gibberella zeae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2623-2631.	1.1	3
150	Quality profile determination of palm olein: potential markers for the detection of recycled cooking oils. <i>International Journal of Food Properties</i> , 2019, 22, 1172-1182.	1.3	3
151	Exploring the influence of phospholipid monolayer conformation and environmental conditions on the interfacial binding of <i>Gibberella Zeae</i> lipase. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1051-1056.	3.6	3
152	A novel sn-1,3 specific lipase from <i>Janibacter</i> sp. as catalysts for the high-yield synthesis of long-medium-long type structured triacylglycerols. <i>Food Chemistry</i> , 2022, 366, 130523.	4.2	3
153	Possible Charged Residue Switch for Acylglycerol Selectivity of Lipase MAS1. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 5119-5131.	1.4	3
154	Biochemical and conformational characterization of a leucine aminopeptidase from <i>Geobacillus thermodenitrificans</i> NG80-2. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 3227-3237.	1.7	2
155	Enzymatic Synthesis of an Isopropyl Ester by Alcoholysis of Camellia Oil. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2012, 89, 1277-1285.	0.8	2
156	Improving phospholipase activity of PLA ₁ by protein engineering and its effects on oil degumming. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600110.	1.0	2
157	A highly efficient and recoverable enzymatic method for removing phospholipids from soybean oil via an ionic liquid-based three-liquid-phase. <i>Separation and Purification Technology</i> , 2021, 264, 118404.	3.9	2
158	Sequence and structure-based method to predict diacylglycerol lipases in protein sequence. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 455-463.	3.6	2
159	Improving the freeze-thaw stability of emulsions via combining phosphatidylcholine and modified starch: A combined experimental and computational study. <i>International Journal of Food Science and Technology</i> , 2022, 57, 1050-1060.	1.3	2
160	Production of Cocoa Butter Substitute via Enzymatic Interesterification of Fully Hydrogenated Palm Kernel Oil, Coconut Oil and Fully Hydrogenated Palm Stearin Blends. <i>Journal of Oleo Science</i> , 2022, 71, 343-351.	0.6	2
161	Improved Thermal Properties and Flow Behavior of Palm Olein-Based Diacylglycerol: Impact of Sucrose Stearate Incorporation. <i>Processes</i> , 2021, 9, 604.	1.3	1
162	Synthesis of partial glycerides rich in ω -linolenic acid efficiently from silkworm pupa oil with immobilized lipase MAS1-H108A. <i>Food Science and Technology</i> , 0, 42, .	0.8	1

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163	Glycerol is Released from a New Path in MGL Lipase Catalytic Process. Journal of Chemical Information and Modeling, 2022, 62, 2248-2256.	2.5	1
164	Immobilized MAS1 Lipase-catalyzed Synthesis of n-3 PUFA-rich Triacylglycerols in Deep Eutectic Solvents. Journal of Oleo Science, 2021, 70, 227-236.	0.6	0