

Yonghua Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

2,018
citations

21
h-index

40
g-index

127
ext. papers

2,489
ext. citations

4.7
avg, IF

5.22
L-index

#	Paper	IF	Citations
115	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	8.5	1
114	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	1.6	0
113	Host-guest interactions between oleic acid and β -cyclodextrin: A combined experimental and theoretical study.. <i>Food Chemistry</i> , 2022 , 387, 132910	8.5	0
112	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 , 133201	8.5	0
111	Structural Basis for the Regiospecificity of a Lipase from <i>Streptomyces</i> sp. W007. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5822	6.3	0
110	Structure-Guided Rational Design of a Mono- and Diacylglycerol Lipase from : A Single Residue Mutant Increases the Hydrolysis Ability. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5344-5352	5.7	3
109	Two-step enzymatic synthesis of ω -linolenic acid-enriched diacylglycerols with high purities from silkworm pupae oil. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 627-634	3.7	2
108	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	3.7	1
107	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	3.9	3
106	Sequence and structure-based method to predict diacylglycerol lipases in protein sequence. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 455-463	7.9	
105	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	3.7	5
104	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	3.8	2
103	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	5.4	0
102	The enhancement of rice bran oil quality through a novel moderate biorefining process. <i>LWT - Food Science and Technology</i> , 2021 , 151, 112118	5.4	0
101	Changes in 3-, 2-Monochloropropandiol and Glycidyl Esters during a Conventional Baking System with Addition of Antioxidants. <i>Foods</i> , 2020 , 9,	4.9	4
100	Cascade Synthesis from Cyclohexane to γ -Caprolactone by Visible-Light-Driven Photocatalysis Combined with Whole-Cell Biological Oxidation. <i>ChemBioChem</i> , 2020 , 21, 1852-1855	3.8	6
99	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	2.8	13

98	Natural Deep Eutectic Solvents as Performance Additives for Peroxygenase Catalysis. <i>ChemCatChem</i> , 2020 , 12, 989-994	5.2	12
97	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	5.7	4
96	Chemoenzymatic Halocyclization of α -Unsaturated Carboxylic Acids and Alcohols. <i>ChemSusChem</i> , 2020 , 13, 97-101	8.3	18
95	Insight into the Modification of Phosphatidylcholine with n-3 Polyunsaturated Fatty Acids-Rich Ethyl Esters by Immobilized MAS1 Lipase. <i>Molecules</i> , 2019 , 24,	4.8	1
94	High-level expression of thermophilic lipase in via combined strategies. <i>3 Biotech</i> , 2019 , 9, 62	2.8	12
93	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	1.8	5
92	Structure and characterization of <i>Aspergillus fumigatus</i> lipase B with a unique, oversized regulatory subdomain. <i>FEBS Journal</i> , 2019 , 286, 2366-2380	5.7	5
91	A Thermostable Monoacylglycerol Lipase from Marine sp. 12AMOR1: Biochemical Characterization and Mutagenesis Study. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
90	New insights on unspecific peroxygenases: superfamily reclassification and evolution. <i>BMC Evolutionary Biology</i> , 2019 , 19, 76	3	22
89	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	7.9	0
88	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019 , 12, 1310-1315	8.3	27
87	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	5.7	5
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	3	6
85	Effects of shortening and baking temperature on quality, MCPD ester and glycidyl ester content of conventional baked cake. <i>LWT - Food Science and Technology</i> , 2019 , 116, 108553	5.4	8
84	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	13.1	15
83	Identification and Evaluation of Inhibitors of Lipase from using Virtual High-Throughput Screening and Molecular Dynamics Studies. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	42
82	UPObase: an online database of unspecific peroxygenases. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	2
81	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	3.7	13

80	Improving the Catalytic Activity and Thermostability of MAS1 Lipase by Alanine Substitution. <i>Molecular Biotechnology</i> , 2018 , 60, 319-328	3	4
79	Biokatalytische Oxidationsreaktionen aus der Sicht eines Chemikers. <i>Angewandte Chemie</i> , 2018 , 130, 9380-9404	3.6	79
78	Biocatalytic Oxidation Reactions: A Chemist's Perspective. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9238-9261	16.4	229
77	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	3	4
76	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	3.2	5
75	Production and immobilization of lipase PCL and its application in synthesis of linolenic acid-rich diacylglycerol. <i>Journal of Food Biochemistry</i> , 2018 , 42, e12574	3.3	9
74	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	3.8	5
73	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	3.4	2
72	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	4	1
71	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	5.7	7
70	Open and closed states of Mrlip1 DAG lipase revealed by molecular dynamics simulation. <i>Molecular Simulation</i> , 2018 , 44, 1520-1528	2	3
69	Biocatalytic synthesis of lactones and lactams. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3601-3610	4.5	18
68	Improving phospholipase activity of PLA1 by protein engineering and its effects on oil degumming. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600110	3	2
67	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	3	8
66	Substrate selectivity and optimization of immobilized SMG1-F278N lipase in synthesis of propylene glycol monooleate. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600423	3	2
65	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	3.7	51
64	<i>Malassezia globosa</i> MgMDL2 lipase: Crystal structure and rational modification of substrate specificity. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 488, 259-265	3.4	7
63	Dryanol 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	6.1	19

62	An efficient upgrading approach to produce n-3 polyunsaturated fatty acids-rich edible grade oil from high-acid squid visceral oil. <i>Biochemical Engineering Journal</i> , 2017 , 127, 167-174	4.2	7
61	An Innovative Deacidification Approach for Producing Partial Glycerides-Free Rice Bran Oil. <i>Food and Bioprocess Technology</i> , 2017 , 10, 1154-1161	5.1	10
60	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	11	78
59	Deep Eutectic Solvents Enable More Robust Chemoenzymatic Epoxidation Reactions. <i>ChemCatChem</i> , 2017 , 9, 934-936	5.2	34
58	Peroxygenases en route to becoming dream catalysts. What are the opportunities and challenges?. <i>Current Opinion in Chemical Biology</i> , 2017 , 37, 1-9	9.7	155
57	Preparation of Highly Pure n-3 PUFA-Enriched Triacylglycerols by Two-Step Enzymatic Reactions Combined with Molecular Distillation. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2017 , 94, 225-233	1.8	6
56	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	3	7
55	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,	6.3	9
54	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	5.7	31
53	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	3.2	14
52	Enhancing HO 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	5.7	10
51	Deep eutectic solvents as performance additives in biphasic reactions. <i>RSC Advances</i> , 2017 , 7, 40367-40370	3.0	18
50	Deep Eutectic Solvents Enable the Enhanced Production of n-3 PUFA-Enriched Triacylglycerols. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1700300	3	5
49	Control of sticky deposits in wastepaper recycling with thermophilic esterase. <i>Cellulose</i> , 2017 , 24, 311-321	3.5	7
48	A comparative study on kinetics and substrate specificities of Phospholipase A with <i>Thermomyces lanuginosus</i> lipase. <i>Journal of Colloid and Interface Science</i> , 2017 , 488, 149-154	9.3	7
47	Immobilized MAS1 lipase showed high esterification activity in the production of triacylglycerols with n-3 polyunsaturated fatty acids. <i>Food Chemistry</i> , 2017 , 216, 260-7	8.5	29
46	A functional natural deep eutectic solvent based on trehalose: Structural and physicochemical properties. <i>Food Chemistry</i> , 2017 , 217, 560-567	8.5	64
45	The Lid Domain in Lipases: Structural and Functional Determinant of Enzymatic Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017 , 5, 16	5.8	150

44	Evolution of the diacylglycerol lipases. <i>Progress in Lipid Research</i> , 2016 , 64, 85-97	14.3	17
43	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, 6730-7	5.7	20
42	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		27
41	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, 6533-8	5.7	17
40	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, 1305-14	3.7	15
39	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	3	8
38	Lid mobility in lipase SMG1 validated using a thiol/disulfide redox potential probe. <i>FEBS Open Bio</i> , 2016 , 6, 477-83	2.7	5
37	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,	6.3	4
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	3.1	22
35	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	2.8	35
34	Mechanical Insight into Resistance of Betaine to Urea-Induced Protein Denaturation. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 12327-12333	3.4	10
33	Diacylglycerol production by genetically modified lipase from <i>Malassezia globosa</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 133, S204-S212		2
32	Lipase-Driven Epoxidation Is A Two-Stage Synergistic Process. <i>ChemistrySelect</i> , 2016 , 1, 836-839	1.8	16
31	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		14
30	Novel inhibitor against <i>Malassezia globosa</i> LIP1 (SMG1), a potential anti-dandruff target. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 3464-7	2.9	9
29	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, 7273-88	6.3	14
28	Biochemical properties and structure analysis of a DAG-Like lipase from <i>Malassezia globosa</i> . <i>International Journal of Molecular Sciences</i> , 2015 , 16, 4865-79	6.3	14
27	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, 392-6	3.4	11

26	Conversion of a Mono- and Diacylglycerol Lipase into a Triacylglycerol Lipase by Protein Engineering. <i>ChemBioChem</i> , 2015 , 16, 1431-4	3.8	15
25	Hydrolysis of lysophosphatidylcholines by a lipase from <i>Malassezia globosa</i> . <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 1655-1658	3	4
24	Structure of product-bound SMG1 lipase: active site gating implications. <i>FEBS Journal</i> , 2015 , 282, 4538-4577	4.7	13
23	Evaluation of Glycidyl Fatty Acid Ester Levels in Camellia Oil with Different Refining Degrees. <i>International Journal of Food Properties</i> , 2015 , 18, 978-985	3	6
22	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		31
21	The Role of Residues 103, 104, and 278 in the Activity of SMG1 Lipase from <i>Malassezia globosa</i> : A Site-Directed Mutagenesis Study. <i>Journal of Microbiology and Biotechnology</i> , 2015 , 25, 1827-34	3.3	3
20	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 Chemistsp Society</i> , 2014 , 91, 251-259	1.8	19
19	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	3	17
18	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, 10554-66	6.3	21
17	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	4.6	29
16	Enzymatic synthesis of extremely pure triacylglycerols enriched in conjugated linoleic acids. <i>Molecules</i> , 2013 , 18, 9704-16	4.8	13
15	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	3	15
14	A 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		8
13	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, 3733-44	4.8	16
12	Efficient purification of native recombinant proteins using proteases immobilized on cellulose. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 542-4	3.3	7
11	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	6	32
10	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, 363-9	3.4	52
9	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, 285-9	3.4	21

8	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, 3227-37	4.4	1
7	Enzymatic Synthesis of Diacylglycerols Enriched with Conjugated Linoleic Acid by a Novel Lipase from <i>Malassezia globosa</i> . <i>JAACS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 1259	1.8	13
6	Enzymatic Synthesis of an Isopropyl Ester by Alcoholysis of Camellia Oil. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 1277	1.8	
5	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	3.3	4
4	A two-stage enzymatic process for synthesis of extremely pure high oleic glycerol monooleate. <i>Enzyme and Microbial Technology</i> , 2011 , 48, 143-7	3.8	12
3	Production of extremely pure diacylglycerol from soybean oil by lipase-catalyzed glycerolysis. <i>Enzyme and Microbial Technology</i> , 2011 , 49, 192-6	3.8	42
2	Optimal production and biochemical properties of a lipase from <i>Candida albicans</i> . <i>International Journal of Molecular Sciences</i> , 2011 , 12, 7216-37	6.3	8
1	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, 7609-25	6.3	6