

# Ning Li

## List of Publications by Year in descending order

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89  
papers

4,352  
citations

156536

32  
h-index

124990

64  
g-index

92  
all docs

92  
docs citations

92  
times ranked

5351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquids from renewable biomaterials: synthesis, characterization and application in the pretreatment of biomass. <i>Green Chemistry</i> , 2012, 14, 304-307.	4.6	384
2	Fabrication of electrospun polylactic acid nanofilm incorporating cinnamon essential oil/ $\beta$ -cyclodextrin inclusion complex for antimicrobial packaging. <i>Food Chemistry</i> , 2016, 196, 996-1004.	4.2	263
3	Recent progress on deep eutectic solvents in biocatalysis. <i>Bioresources and Bioprocessing</i> , 2017, 4, 34.	2.0	262
4	Evaluation of Toxicity and Biodegradability of Cholinium Amino Acids Ionic Liquids. <i>PLoS ONE</i> , 2013, 8, e59145.	1.1	260
5	Novel renewable ionic liquids as highly effective solvents for pretreatment of rice straw biomass by selective removal of lignin. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2484-2493.	1.7	225
6	Novel Nano-/Micro-Biocatalyst: Soybean Epoxide Hydrolase Immobilized on UiO-66-NH <sub>2</sub> MOF for Efficient Biosynthesis of Enantiopure ( <i>R</i> )-1, 2-Octanediol in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3586-3595.	3.2	171
7	Pretreatment of lignocellulosic biomass with renewable cholinium ionic liquids: Biomass fractionation, enzymatic digestion and ionic liquid reuse. <i>Bioresource Technology</i> , 2015, 192, 165-171.	4.8	163
8	Enzyme-catalyzed selective oxidation of 5-hydroxymethylfurfural (HMF) and separation of HMF and 2,5-diformylfuran using deep eutectic solvents. <i>Green Chemistry</i> , 2015, 17, 3718-3722.	4.6	151
9	Effect of anion structures on cholinium ionic liquids pretreatment of rice straw and the subsequent enzymatic hydrolysis. <i>Biotechnology and Bioengineering</i> , 2015, 112, 65-73.	1.7	120
10	Apo ferritin@CeO <sub>2</sub> nano-truffle that has excellent artificial redox enzyme activity. <i>Chemical Communications</i> , 2012, 48, 3155-3157.	2.2	105
11	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017, 10, 372-378.	3.6	92
12	Enhancement of the antimicrobial activity of cinnamon essential oil-loaded electrospun nanofilm by the incorporation of lysozyme. <i>RSC Advances</i> , 2017, 7, 1572-1580.	1.7	87
13	Facile and Simple Pretreatment of Sugar Cane Bagasse without Size Reduction Using Renewable Ionic Liquids-Water Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 519-526.	3.2	78
14	Whole-cell biocatalytic selective oxidation of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid. <i>Green Chemistry</i> , 2017, 19, 4544-4551.	4.6	78
15	Significantly enhancing enzymatic hydrolysis of rice straw after pretreatment using renewable ionic liquid-water mixtures. <i>Bioresource Technology</i> , 2013, 136, 469-474.	4.8	77
16	Preparation and Characterization of Immobilized Lipase from <i>Pseudomonas Cepacia</i> onto Magnetic Cellulose Nanocrystals. <i>Scientific Reports</i> , 2016, 6, 20420.	1.6	77
17	Lipases from the genus <i>Penicillium</i> : Production, purification, characterization and applications. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 43-54.	1.8	75
18	Changes in the Structure and the Thermal Properties of Kraft Lignin during Its Dissolution in Cholinium Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2951-2958.	3.2	69

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19	A highly regioselective route to arbutin esters by immobilized lipase from <i>Penicillium expansum</i> . <i>Bioresource Technology</i> , 2010, 101, 1-5.	4.8	65
20	Biocatalytic transformation of nucleoside derivatives. <i>Biotechnology Advances</i> , 2010, 28, 348-366.	6.0	61
21	Efficient Pretreatment of Wheat Straw Using Novel Renewable Cholinium Ionic Liquids To Improve Enzymatic Saccharification. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 1788-1795.	1.8	59
22	Renewable bio ionic liquidsâ€water mixturesâ€mediated selective removal of lignin from rice straw: Visualization of changes in composition and cell wall structure. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1895-1902.	1.7	57
23	Improved synthesis of 2,5-bis(hydroxymethyl)furan from 5-hydroxymethylfurfural using acclimatized whole cells entrapped in calcium alginate. <i>Bioresource Technology</i> , 2018, 262, 177-183.	4.8	52
24	Biocatalytic Upgrading of 5-Hydroxymethylfurfural (HMF) with Levulinic Acid to HMF Levulinate in Biomass-Derived Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4050-4054.	3.2	50
25	Correlation between Physicochemical Properties and Enzymatic Digestibility of Rice Straw Pretreated with Cholinium Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4340-4345.	3.2	48
26	Electrospun core-shell structured nanofilm as a novel colon-specific delivery system for protein. <i>Carbohydrate Polymers</i> , 2017, 169, 157-166.	5.1	48
27	Oneâ€Pot Enzyme Cascade for Controlled Synthesis of Furancarboxylic Acids from 5â€Hydroxymethylfurfural by H <sub>2</sub> O <sub>2</sub> Internal Recycling. <i>ChemSusChem</i> , 2019, 12, 4764-4768.	3.6	45
28	Enhancing the activity and regioselectivity of lipases for 3â€benzoylation of floxuridine and its analogs by using ionic liquid-containing systems. <i>Journal of Biotechnology</i> , 2008, 133, 103-109.	1.9	42
29	Combination of deep eutectic solvent and ionic liquid to improve biocatalytic reduction of 2-octanone with <i>Acetobacter pasteurianus</i> GIM1.158 cell. <i>Scientific Reports</i> , 2016, 6, 26158.	1.6	41
30	Efficient synthesis of 5-hydroxymethyl-2-furancarboxylic acid by <i>Escherichia coli</i> overexpressing aldehyde dehydrogenases. <i>Journal of Biotechnology</i> , 2020, 307, 125-130.	1.9	38
31	Selective synthesis of 2-furoic acid and 5-hydroxymethyl-2-furancarboxylic acid from bio-based furans by recombinant <i>Escherichia coli</i> cells. <i>Molecular Catalysis</i> , 2019, 469, 68-74.	1.0	37
32	Utilization of Seawater for the Biorefinery of Lignocellulosic Biomass: Ionic Liquid Pretreatment, Enzymatic Hydrolysis, and Microbial Lipid Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5659-5666.	3.2	36
33	Catalytic synthesis of 2,5-bis(hydroxymethyl)furan from 5-hydroxymethylfurfural by recombinant <i>Saccharomyces cerevisiae</i> . <i>Enzyme and Microbial Technology</i> , 2020, 134, 109491.	1.6	33
34	Synergistic chemo/biocatalytic synthesis of 2,5-furandicarboxylic acid from 5-hydroxymethylfurfural. <i>Catalysis Communications</i> , 2020, 139, 105979.	1.6	31
35	Dehydrogenaseâ€Catalyzed Oxidation of Furanics: Exploitation of Hemoglobin Catalytic Promiscuity. <i>ChemSusChem</i> , 2017, 10, 3524-3528.	3.6	30
36	Use of Crude Glycerol as Sole Carbon Source for Microbial Lipid Production by Oleaginous Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 495-510.	1.4	27

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37	Efficient Bioconversion of Sucrose to High-Value-Added Glucaric Acid by In-Vitro Metabolic Engineering. <i>ChemSusChem</i> , 2019, 12, 2278-2285.	3.6	27
38	Regioselective synthesis of 3-O-caproyl-floxuridine catalyzed by <i>Pseudomonas cepacia</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 47, 6-12.	1.8	26
39	A glucose-tolerant $\beta$ -glucosidase from <i>Prunus domestica</i> seeds: Purification and characterization. <i>Process Biochemistry</i> , 2012, 47, 127-132.	1.8	26
40	Kinetic and reaction pathway of upgrading asphaltene in supercritical water. <i>Chemical Engineering Science</i> , 2015, 134, 230-237.	1.9	26
41	Effect of residual lignins present in cholinium ionic liquid-pretreated rice straw on the enzymatic hydrolysis of cellulose. <i>Chemical Engineering Science</i> , 2017, 161, 48-56.	1.9	26
42	Sacrificial Substrate-Free Whole-Cell Biocatalysis for the Synthesis of 2,5-Furandicarboxylic Acid by Engineered <i>Escherichia coli</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4341-4345.	3.2	26
43	Regioselective Acylation of Nucleosides Catalyzed by <i>Candida Antarctica</i> Lipase B: Enzyme Substrate Recognition. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5375-5378.	1.2	25
44	Regioselective acylation of nucleosides and their analogs catalyzed by <i>Pseudomonas cepacia</i> lipase: enzyme substrate recognition. <i>Tetrahedron</i> , 2009, 65, 1063-1068.	1.0	25
45	Regioselective enzymatic undecylenoylation of 8-chloroadenosine and its analogs with biomass-based 2-methyltetrahydrofuran as solvent. <i>Bioresource Technology</i> , 2012, 118, 82-88.	4.8	25
46	Using ionic liquid cosolvents to improve enzymatic synthesis of arylalkyl $\beta$ -D-glucopyranosides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 74, 24-28.	1.8	25
47	Efficient microbial oil production on crude glycerol by <i>Lipomyces starkeyi</i> AS 2.1560 and its kinetics. <i>Process Biochemistry</i> , 2017, 58, 230-238.	1.8	25
48	Biocatalytic Oxidation of Biobased Furan Aldehydes: Comparison of Toxicity and Inhibition of Furans toward a Whole-Cell Biocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1437-1444.	3.2	25
49	(R)-Oxynitrilase-catalyzed synthesis of (R)-2-trimethylsilyl-2-hydroxyl-ethylcyanide. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 22, 7-12.	1.8	24
50	Selective Synthesis of Furfuryl Alcohol from Biomass-Derived Furfural Using Immobilized Yeast Cells. <i>Catalysts</i> , 2019, 9, 70.	1.6	24
51	Significantly improved oxidation of bio-based furans into furan carboxylic acids using substrate-adapted whole cells. <i>Journal of Energy Chemistry</i> , 2020, 41, 20-26.	7.1	24
52	Enzymatic regioselective acylation of nucleosides in biomass-derived 2-methyltetrahydrofuran: Kinetic study and enzyme substrate recognition. <i>Journal of Biotechnology</i> , 2013, 164, 91-96.	1.9	23
53	A magnetic biocatalyst based on mussel-inspired polydopamine and its acylation of dihydromyricetin. <i>Chinese Journal of Catalysis</i> , 2016, 37, 584-595.	6.9	23
54	Furan Carboxylic Acids Production with High Productivity by Cofactor-Engineered Whole-Cell Biocatalysts. <i>ChemCatChem</i> , 2020, 12, 3257-3264.	1.8	23

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55	Myoglobin-Catalyzed Efficient In Situ Regeneration of NAD(P) <sup>+</sup> and Their Synthetic Biomimetic for Dehydrogenase-Mediated Oxidations. <i>ACS Catalysis</i> , 2019, 9, 2196-2202.	5.5	21
56	A simple procedure for the synthesis of potential 6-azauridine prodrugs by <i>Thermomyces lanuginosus</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 212-219.	1.8	19
57	Solvent-Promoted Oxidation of Aromatic Alcohols/Aldehydes to Carboxylic Acids by a Laccase-TEMPO System: Efficient Access to 2,5-Furandicarboxylic Acid and 5-Methylpyrazinecarboxylic Acid. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000297.	2.7	19
58	Direct Reductive Amination of Biobased Furans to <i>N</i> -Substituted Furfurylamines by Engineered Reductive Aminase. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1033-1037.	2.1	18
59	Engineering P450 <sup>LaMO</sup> stereospecificity and product selectivity for selective C-H oxidation of tetralin-like alkylbenzenes. <i>Catalysis Science and Technology</i> , 2018, 8, 4638-4644.	2.1	17
60	Highly regioselective synthesis of novel aromatic esters of arbutin catalyzed by immobilized lipase from <i>Penicillium expansum</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 67, 41-44.	1.8	16
61	Highly regioselective synthesis of betulone from betulin by growing cultures of marine fungus <i>Dothideomycete</i> sp. HQ 316564. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 88, 32-35.	1.8	16
62	Evaluating the effects of biocompatible cholinium ionic liquids on microbial lipid production by <i>Trichosporon fermentans</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 119.	6.2	16
63	( <i>R</i> )-oxynitrilase-catalysed synthesis of chiral silicon-containing aliphatic ( <i>R</i> )-ketone-cyanohydrins. <i>Biotechnology Letters</i> , 2003, 25, 219-222.	1.1	15
64	<i>Thermomyces lanuginosus</i> lipase-catalyzed regioselective acylation of nucleosides: Enzyme substrate recognition. <i>Journal of Biotechnology</i> , 2009, 140, 250-253.	1.9	15
65	Easily measurable pH as an indicator of the effectiveness of the aqueous cholinium ionic liquid-based pretreatment of lignocellulose. <i>RSC Advances</i> , 2014, 4, 55635-55639.	1.7	14
66	Effects of Acetic Acid and pH on the Growth and Lipid Accumulation of the Oleaginous Yeast <i>Trichosporon fermentans</i> . <i>BioResources</i> , 2015, 10, .	0.5	14
67	Mechanistic insights into the effect of imidazolium ionic liquid on lipid production by <i>Geotrichum fermentans</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 266.	6.2	14
68	Bioinspired Cooperative Photobiocatalytic Regeneration of Oxidized Nicotinamide Cofactors for Catalytic Oxidations. <i>ChemSusChem</i> , 2021, 14, 1687-1691.	3.6	14
69	Highly regioselective galactosylation of floxuridine catalyzed by $\beta$ -galactosidase from bovine liver. <i>Biotechnology Letters</i> , 2010, 32, 1251-1254.	1.1	12
70	A plug-and-play chemobiocatalytic route for the one-pot controllable synthesis of biobased C4 chemicals from furfural. <i>Green Chemistry</i> , 2021, 23, 8604-8610.	4.6	12
71	Cross-linked enzyme aggregates of $\beta$ -glucosidase from <i>Prunus domestica</i> seeds. <i>Biotechnology Letters</i> , 2012, 34, 1673-1678.	1.1	11
72	Highly regioselective synthesis of undecylenic acid esters of purine nucleosides catalyzed by <i>Candida antarctica</i> lipase B. <i>Biotechnology Letters</i> , 2011, 33, 2233-2240.	1.1	10

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73	Highly regioselective glucosylation of 2'-deoxynucleosides by using the crude Î²-glycosidase from bovine liver. <i>Journal of Biotechnology</i> , 2011, 155, 203-208.	1.9	10
74	Facile and regioselective enzymatic 5'-galactosylation of pyrimidine 2'-deoxynucleosides catalyzed by Î²-glycosidase from bovine liver. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 79, 35-40.	1.8	10
75	Unexpected reversal of the regioselectivity in <i>Thermomyces lanuginosus</i> lipase-catalyzed acylation of floxuridine. <i>Biotechnology Letters</i> , 2009, 31, 1241-1244.	1.1	8
76	Substrate specificity of lipase from <i>Burkholderia cepacia</i> in the synthesis of 3'-arylaliphatic acid esters of floxuridine. <i>Journal of Biotechnology</i> , 2009, 142, 267-270.	1.9	8
77	First enzymatic galactosylation of acyclic nucleoside drugs by Î²-galactosidase: Synthesis of water-soluble Î²-D-galactosidic prodrugs. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 586-591.	1.4	8
78	Penicillin acylase-catalyzed synthesis of N-bromoacetyl-7-aminocephalosporanic acid, the key intermediate for the production of cefathiamidine. <i>Bioresources and Bioprocessing</i> , 2016, 3, 49.	2.0	8
79	Efficient regioselective synthesis of 3'-O-crotonylfloxuridine catalysed by <i>Pseudomonas cepacia</i> lipase. <i>Biotechnology and Applied Biochemistry</i> , 2009, 52, 45.	1.4	7
80	First and facile enzymatic synthesis of Î²-fucosyl-containing disaccharide nucleosides through Î²-galactosidase-catalyzed regioselective glycosylation. <i>Journal of Biotechnology</i> , 2013, 164, 371-375.	1.9	7
81	Chemoenzymatic access to enantiopure N-containing furfuryl alcohol from chitin-derived N-acetyl-D-glucosamine. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	7
82	Engineering Promiscuous Alcohol Dehydrogenase Activity of a Reductive Aminase AspRedAm for Selective Reduction of Biobased Furans. <i>Frontiers in Chemistry</i> , 2021, 9, 610091.	1.8	6
83	Highly efficient enzymatic synthesis of an ascorbyl unsaturated fatty acid ester with ecofriendly biomass-derived 2-methyltetrahydrofuran as cosolvent. <i>Biotechnology Progress</i> , 2014, 30, 1005-1011.	1.3	5
84	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017, 10, 304-304.	3.6	5
85	Enzymatic synthesis and anti-oxidative activities of plant oil-based ascorbyl esters in 2-methyltetrahydrofuran-containing mixtures. <i>Biocatalysis and Biotransformation</i> , 2016, 34, 181-188.	1.1	3
86	Bioinspired Cooperative Photobiocatalytic Regeneration of Oxidized Nicotinamide Cofactors for Catalytic Oxidations. <i>ChemSusChem</i> , 2021, 14, 1615-1615.	3.6	1
87	Enzymatic enantioselective synthesis of (R)-2-(trimethylsilyl)-2-hydroxypropionitrile by defatted apple seed meal. <i>Chinese Journal of Chemistry</i> , 2003, 21, 1360-1363.	2.6	0
88	Regioselective Galactosylation of Floxuridine Catalyzed by Î²-Galactosidase from Bovine Liver in Co-solvent Systems. <i>Chinese Journal of Catalysis</i> , 2014, 32, 1063-1068.	6.9	0
89	Enzymatic Synthesis of 5'-Palmitate of 5-Fluorouridine. <i>Chinese Journal of Catalysis</i> , 2014, 32, 1733-1738.	6.9	0