

Ning Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7987303/ning-li-publications-by-citations.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

85
papers

3,407
citations

29
h-index

56
g-index

92
ext. papers

3,921
ext. citations

6.2
avg, IF

5.71
L-index

#	Paper	IF	Citations
85	Ionic liquids from renewable biomaterials: synthesis, characterization and application in the pretreatment of biomass. <i>Green Chemistry</i> , 2012 , 14, 304-307	10	325
84	Evaluation of toxicity and biodegradability of cholinium amino acids ionic liquids. <i>PLoS ONE</i> , 2013 , 8, e59145	3.7	211
83	Fabrication of electrospun polylactic acid nanofilm incorporating cinnamon essential oil/ β -cyclodextrin inclusion complex for antimicrobial packaging. <i>Food Chemistry</i> , 2016 , 196, 996-1004	8.5	202
82	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, 2484-93	4.9	195
81	Recent progress on deep eutectic solvents in biocatalysis. <i>Bioresources and Bioprocessing</i> , 2017 , 4, 34	5.2	161
80	Pretreatment of lignocellulosic biomass with renewable cholinium ionic liquids: Biomass fractionation, enzymatic digestion and ionic liquid reuse. <i>Bioresource Technology</i> , 2015 , 192, 165-71	11	141
79	Novel Nano-/Micro-Biocatalyst: Soybean Epoxide Hydrolase Immobilized on UiO-66-NH ₂ MOF for Efficient Biosynthesis of Enantiopure (R)-1, 2-Octanediol in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3586-3595	8.3	119
78	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	10	117
77	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	4.9	111
76	Apo ferritin-CeO ₂ nano-truffle that has excellent artificial redox enzyme activity. <i>Chemical Communications</i> , 2012 , 48, 3155-7	5.8	92
75	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	8.3	73
74	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017 , 10, 372-378	8.3	71
73	Significantly enhancing enzymatic hydrolysis of rice straw after pretreatment using renewable ionic liquid-water mixtures. <i>Bioresource Technology</i> , 2013 , 136, 469-74	11	70
72	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	3.7	68
71	Preparation and Characterization of Immobilized Lipase from <i>Pseudomonas Cepacia</i> onto Magnetic Cellulose Nanocrystals. <i>Scientific Reports</i> , 2016 , 6, 20420	4.9	64
70	Lipases from the genus <i>Penicillium</i> : Production, purification, characterization and applications. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 66, 43-54		61
69	Whole-cell biocatalytic selective oxidation of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid. <i>Green Chemistry</i> , 2017 , 19, 4544-4551	10	59

68	Biocatalytic transformation of nucleoside derivatives. <i>Biotechnology Advances</i> , 2010 , 28, 348-66	17.8	59
67	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	8.3	54
66	A highly regioselective route to arbutin esters by immobilized lipase from <i>Penicillium expansum</i> . <i>Bioresource Technology</i> , 2010 , 101, 1-5	11	52
65	Renewable bio ionic liquids-water mixtures-mediated selective removal of lignin from rice straw: visualization of changes in composition and cell wall structure. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1895-902	4.9	49
64	Efficient Pretreatment of Wheat Straw Using Novel Renewable Cholinium Ionic Liquids To Improve Enzymatic Saccharification. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1788-1795	3.9	48
63	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	11	43
62	Enhancing the activity and regioselectivity of lipases for 3Sbenzoylation of floxuridine and its analogs by using ionic liquid-containing systems. <i>Journal of Biotechnology</i> , 2008 , 133, 103-9	3.7	41
61	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	8.3	39
60	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	4.9	35
59	Electrospun core-shell structured nanofilm as a novel colon-specific delivery system for protein. <i>Carbohydrate Polymers</i> , 2017 , 169, 157-166	10.3	34
58	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	8.3	33
57	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	8.3	29
56	One-Pot Enzyme Cascade for Controlled Synthesis of Furancarboxylic Acids from 5-Hydroxymethylfurfural by H ₂ O Internal Recycling. <i>ChemSusChem</i> , 2019 , 12, 4764-4768	8.3	26
55	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	3.3	25
54	Regioselective acylation of nucleosides and their analogs catalyzed by <i>Pseudomonas cepacia</i> lipase: enzyme substrate recognition. <i>Tetrahedron</i> , 2009 , 65, 1063-1068	2.4	25
53	A glucose-tolerant β glucosidase from <i>Prunus domestica</i> seeds: Purification and characterization. <i>Process Biochemistry</i> , 2012 , 47, 127-132	4.8	24
52	Regioselective enzymatic undecylenoylation of 8-chloroadenosine and its analogs with biomass-based 2-methyltetrahydrofuran as solvent. <i>Bioresource Technology</i> , 2012 , 118, 82-8	11	24
51	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		24

50	Regioselective Acylation of Nucleosides Catalyzed by Candida Antarctica Lipase B: Enzyme Substrate Recognition. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5375-5378	3.2	24
49	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	3.2	23
48	Using ionic liquid cosolvents to improve enzymatic synthesis of arylalkyl β -D-glucopyranosides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 74, 24-28		23
47	Enzymatic regioselective acylation of nucleosides in biomass-derived 2-methyltetrahydrofuran: kinetic study and enzyme substrate recognition. <i>Journal of Biotechnology</i> , 2013 , 164, 91-6	3.7	23
46	(R)-Oxynitrilase-catalyzed synthesis of (R)-2-trimethylsilyl-2-hydroxyl-ethylcyanide. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003 , 22, 7-12		22
45	Dehydrogenase-Catalyzed Oxidation of Furanics: Exploitation of Hemoglobin Catalytic Promiscuity. <i>ChemSusChem</i> , 2017 , 10, 3524-3528	8.3	21
44	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	4.4	20
43	Efficient synthesis of 5-hydroxymethyl-2-furancarboxylic acid by Escherichia coli overexpressing aldehyde dehydrogenases. <i>Journal of Biotechnology</i> , 2020 , 307, 125-130	3.7	20
42	Efficient microbial oil production on crude glycerol by Lipomyces starkeyi AS 2.1560 and its kinetics. <i>Process Biochemistry</i> , 2017 , 58, 230-238	4.8	19
41	A simple procedure for the synthesis of potential 6-azauridine prodrugs by Thermomyces lanuginosus lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 59, 212-219		19
40	Kinetic and reaction pathway of upgrading asphaltene in supercritical water. <i>Chemical Engineering Science</i> , 2015 , 134, 230-237	4.4	18
39	Catalytic synthesis of 2,5-bis(hydroxymethyl)furan from 5-hydroxymethylfurfural by recombinant Saccharomyces cerevisiae. <i>Enzyme and Microbial Technology</i> , 2020 , 134, 109491	3.8	18
38	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	12	18
37	Sacrificial Substrate-Free Whole-Cell Biocatalysis for the Synthesis of 2,5-Furandicarboxylic Acid by Engineered Escherichia coli. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4341-4345	8.3	16
36	Highly regioselective synthesis of novel aromatic esters of arbutin catalyzed by immobilized lipase from Penicillium expansum. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 67, 41-44		16
35	A magnetic biocatalyst based on mussel-inspired polydopamine and its acylation of dihydromyricetin. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 584-595	11.3	16
34	Efficient Bioconversion of Sucrose to High-Value-Added Glucaric Acid by In Vitro Metabolic Engineering. <i>ChemSusChem</i> , 2019 , 12, 2278-2285	8.3	15
33	Evaluating the effects of biocompatible cholinium ionic liquids on microbial lipid production by Trichosporon fermentans. <i>Biotechnology for Biofuels</i> , 2015 , 8, 119	7.8	15

32	(R)-oxynitrilase-catalysed synthesis of chiral silicon-containing aliphatic (R)-ketone-cyanohydrins. <i>Biotechnology Letters</i> , 2003 , 25, 219-22	3	15
31	Synergistic chemo/biocatalytic synthesis of 2,5-furandicarboxylic acid from 5-hydroxymethylfurfural. <i>Catalysis Communications</i> , 2020 , 139, 105979	3.2	14
30	<i>Thermomyces lanuginosus</i> lipase-catalyzed regioselective acylation of nucleosides: Enzyme substrate recognition. <i>Journal of Biotechnology</i> , 2009 , 140, 250-3	3.7	14
29	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		13
28	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	8.3	13
27	Selective Synthesis of Furfuryl Alcohol from Biomass-Derived Furfural Using Immobilized Yeast Cells. <i>Catalysts</i> , 2019 , 9, 70	4	13
26	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	3.7	12
25	Highly regioselective galactosylation of floxuridine catalyzed by beta-galactosidase from bovine liver. <i>Biotechnology Letters</i> , 2010 , 32, 1251-4	3	12
24	Myoglobin-Catalyzed Efficient In Situ Regeneration of NAD(P) ⁺ and Their Synthetic Biomimetic for Dehydrogenase-Mediated Oxidations. <i>ACS Catalysis</i> , 2019 , 9, 2196-2202	13.1	11
23	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,	1.3	11
22	Engineering P450LaMO stereospecificity and product selectivity for selective C _H oxidation of tetralin-like alkylbenzenes. <i>Catalysis Science and Technology</i> , 2018 , 8, 4638-4644	5.5	10
21	Facile and regioselective enzymatic 5'-galactosylation of pyrimidine 2'-deoxynucleosides catalyzed by β-galactosidase from bovine liver. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 79, 35-40		10
20	Highly regioselective synthesis of undecylenic acid esters of purine nucleosides catalyzed by <i>Candida antarctica</i> lipase B. <i>Biotechnology Letters</i> , 2011 , 33, 2233-40	3	10
19	Highly regioselective glucosylation of 2Sdeoxynucleosides by using the crude β-galactosidase from bovine liver. <i>Journal of Biotechnology</i> , 2011 , 155, 203-8	3.7	10
18	Furan Carboxylic Acids Production with High Productivity by Cofactor-engineered Whole-cell Biocatalysts. <i>ChemCatChem</i> , 2020 , 12, 3257-3264	5.2	9
17	Cross-linked enzyme aggregates of β-galactosidase from <i>Prunus domestica</i> seeds. <i>Biotechnology Letters</i> , 2012 , 34, 1673-8	3	9
16	Mechanistic insights into the effect of imidazolium ionic liquid on lipid production by. <i>Biotechnology for Biofuels</i> , 2016 , 9, 266	7.8	8
15	First enzymatic galactosylation of acyclic nucleoside drugs by β-galactosidase: Synthesis of water-soluble β-D-galactosidic prodrugs. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 586-591	3.1	8

14	Unexpected reversal of the regioselectivity in <i>Thermomyces lanuginosus</i> lipase-catalyzed acylation of floxuridine. <i>Biotechnology Letters</i> , 2009 , 31, 1241-4	3	8
13	Substrate specificity of lipase from <i>Burkholderia cepacia</i> in the synthesis of 3Sarylaliphatic acid esters of floxuridine. <i>Journal of Biotechnology</i> , 2009 , 142, 267-70	3.7	7
12	Efficient regioselective synthesis of 3SO-crotonylfloxuridine catalysed by <i>Pseudomonas cepacia</i> lipase. <i>Biotechnology and Applied Biochemistry</i> , 2009 , 52, 45-51	2.8	7
11	Direct Reductive Amination of Biobased Furans to N-Substituted Furfurylamines by Engineered Reductive Aminase. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 1033-1037	5.6	7
10	First and facile enzymatic synthesis of β -D-glucosyl-containing disaccharide nucleosides through β -galactosidase-catalyzed regioselective glycosylation. <i>Journal of Biotechnology</i> , 2012 , 164, 371-5	3.7	6
9	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, 1005-11	2.8	5
8	Penicillin acylase-catalyzed synthesis of γ -bromoacetyl-7-aminocephalosporanic acid, the key intermediate for the production of cefathiamidine. <i>Bioresources and Bioprocessing</i> , 2016 , 3, 49	5.2	4
7	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017 , 10, 304-304	8.3	3
6	Solvent-Promoted Oxidation of Aromatic Alcohols/Aldehydes to Carboxylic Acids by a Laccase-TEMPO System: Efficient Access to 2,5-Furandicarboxylic Acid and 5-Methyl-2-Pyrazinecarboxylic Acid. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000297	5.9	3
5	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	2.5	3
4	Bioinspired Cooperative Photobiocatalytic Regeneration of Oxidized Nicotinamide Cofactors for Catalytic Oxidations. <i>ChemSusChem</i> , 2021 , 14, 1615	8.3	0
3	Engineering Promiscuous Alcohol Dehydrogenase Activity of a Reductive Aminase RedAm for Selective Reduction of Biobased Furans. <i>Frontiers in Chemistry</i> , 2021 , 9, 610091	5	0
2	Bioinspired Cooperative Photobiocatalytic Regeneration of Oxidized Nicotinamide Cofactors for Catalytic Oxidations. <i>ChemSusChem</i> , 2021 , 14, 1687-1691	8.3	0
1	Enzymatic enantioselective synthesis of (R)-2-trimethylsilyl-2-hydroxyl-propionitrile by defatted apple seed meal. <i>Chinese Journal of Chemistry</i> , 2010 , 21, 1360-1363	4.9	