

# Liming Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

762  
citations

516215

16  
h-index

525886

27  
g-index

47  
all docs

47  
docs citations

47  
times ranked

991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, mechanical and antimicrobial properties of starch films incorporated with $\hat{\mu}$ -poly-L-lysine. <i>Food Chemistry</i> , 2015, 166, 107-114.	4.2	82
2	Physicochemical properties and digestibility of potato starch treated by ball milling with tea polyphenols. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 207-213.	3.6	67
3	Preparation and antibacterial activity of a cellulose-based Schiff base derived from dialdehyde cellulose and L-lysine. <i>Industrial Crops and Products</i> , 2020, 145, 112126.	2.5	54
4	Study on physico-chemical properties of dialdehyde yam starch with different aldehyde group contents. <i>Thermochimica Acta</i> , 2011, 512, 196-201.	1.2	42
5	Physicochemical properties, antioxidant and antibacterial activities of dialdehyde microcrystalline cellulose. <i>Cellulose</i> , 2017, 24, 2287-2298.	2.4	42
6	Study of Schiff base formation between dialdehyde cellulose and proteins, and its application for the deproteinization of crude polysaccharide extracts. <i>Industrial Crops and Products</i> , 2018, 112, 532-540.	2.5	41
7	Structural and release properties of amylose inclusion complexes with ibuprofen. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 31, 101-107.	1.4	40
8	A novel local search for unicost set covering problem using hyperedge configuration checking and weight diversity. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	39
9	Effect of methyl jasmonate on the ginsenoside content of <i>Panax ginseng</i> adventitious root cultures and on the genes involved in triterpene biosynthesis. <i>Research on Chemical Intermediates</i> , 2013, 39, 1973-1980.	1.3	37
10	Antitumor pathway of <i>Rhizoma Paridis</i> Saponins based on the metabolic regulatory network alterations in H22 hepatocarcinoma mice. <i>Steroids</i> , 2014, 84, 17-21.	0.8	31
11	Overdose Intake of Curcumin Initiates the Unbalanced State of Bodies. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2765-2771.	2.4	30
12	Physicochemical characteristics of complexes between amylose and garlic bioactive components generated by milling activating method. <i>Food Research International</i> , 2018, 105, 499-506.	2.9	28
13	Antioxidant activity and in vitro digestibility of dialdehyde starches as influenced by their physical and structural properties. <i>Food Chemistry</i> , 2014, 149, 296-301.	4.2	26
14	Anti-fatigue activity of hemp leaves water extract and the related biochemical changes in mice. <i>Food and Chemical Toxicology</i> , 2021, 150, 112054.	1.8	20
15	Optimization and quality assessment of adventitious roots culture in <i>Panax quinquefolium</i> L.. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 713-719.	1.0	19
16	A novel local search algorithm with configuration checking and scoring mechanism for the set covering problem. <i>International Transactions in Operational Research</i> , 2017, 24, 1463-1485.	1.8	19
17	Global metabolic profiling for the study of <i>Rhizoma Paridis</i> saponins-induced hepatotoxicity in rats. <i>Environmental Toxicology</i> , 2017, 32, 99-108.	2.1	16
18	Production of flavonoids and polysaccharide by adding elicitor in different cellular cultivation processes of <i>Glycyrrhiza uralensis</i> Fisch. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 679-686.	1.0	13

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19	A restart local search algorithm for solving maximum set k-covering problem. <i>Neural Computing and Applications</i> , 2018, 29, 755-765.	3.2	12
20	Preparation of 2,3-dialdehyde microcrystalline cellulose particles crosslinked with $\hat{\mu}$ -poly-L-lysine and their antibacterial activity. <i>Cellulose</i> , 2021, 28, 2833-2847.	2.4	12
21	Physical properties and loading capacity of gelatinized granular starches. <i>Industrial Crops and Products</i> , 2014, 53, 323-329.	2.5	11
22	Mechanism for the depolymerization of cellulose under alkaline conditions. <i>Journal of Molecular Modeling</i> , 2018, 24, 124.	0.8	11
23	Preparation of Dialdehyde Cellulose and Its Antibacterial Activity. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 545-553.	0.3	8
24	Toxicological risks of <i>Rhizoma paridis</i> saponins in rats involved NF- $\hat{\rho}$ B and Nrf2 signaling. <i>RSC Advances</i> , 2016, 6, 31889-31897.	1.7	7
25	Computing all minimal hitting sets by subset recombination. <i>Applied Intelligence</i> , 2018, 48, 257-270.	3.3	6
26	Modeling of the bacterial inactivation kinetics of dialdehyde cellulose in aqueous suspension. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 920-926.	3.6	6
27	Comparison of ginsenoside composition in native roots and cultured callus cells of <i>Panax quinquefolium</i> L.. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1363-1366.	1.0	5
28	Quantum chemical calculation of free radical substitution reaction mechanism of camptothecin. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 84, 174-181.	1.3	5
29	Reasoning on partially-ordered observations in online diagnosis of DESs. <i>AI Communications</i> , 2012, 25, 285-294.	0.8	4
30	Efficient zonal diagnosis with maximum satisfiability. <i>Science China Information Sciences</i> , 2018, 61, 1.	2.7	4
31	Model of Traffic Path Choice Based on Game Theory and Induction Mechanism. , 2010, , .		3
32	Influence of step-wise aeration treatment on biomass and bioactive compounds of <i>Panax ginseng</i> adventitious root in balloon-type bubble bioreactor. <i>Research on Chemical Intermediates</i> , 2015, 41, 623-629.	1.3	3
33	Quality Evaluation of <i>Lepidium meyenii</i> (Maca) Based on HPLC and LC-MS Analysis of its Glucosinolates from Roots. <i>Food Analytical Methods</i> , 2017, 10, 2143-2151.	1.3	3
34	An Efficient Heuristic Algorithm for Solving Connected Vertex Cover Problem. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	0.6	3
35	Core-guided method for constraint-based multi-objective combinatorial optimization. <i>Applied Intelligence</i> , 2021, 51, 3865-3879.	3.3	3
36	A novel approach for improving quality of health state with difference degree in circuit diagnosis. <i>Applied Intelligence</i> , 2018, 48, 4371-4381.	3.3	2

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37	Model-based diagnosis with improved implicit hitting set dualization. Applied Intelligence, 2022, 52, 2111-2118.	3.3	2
38	Improving the accuracy of defect diagnosis by test score based on fault free. Electronics Letters, 2020, 56, 845-848.	0.5	2
39	Evolutionary many-objective satisfiability solver for configuring software product lines. Applied Intelligence, 0, , 1.	3.3	2
40	Variable quality checking for backbone computation. Electronics Letters, 2016, 52, 1769-1771.	0.5	1
41	Assessing Determinants of Service Quality on Customer Satisfaction: Study Cases of Superindo Minimarket. Advanced Science Letters, 2018, 24, 2840-2843.	0.2	1
42	A Parallel Extension Rule-Based Algorithm for #SAT Problem Using Model-Counting Tree. IEEE Access, 2018, 6, 41042-41049.	2.6	0
43	Supplementary data for the quantum chemical calculation of free radical substitution reaction mechanism of camptothecin. Data in Brief, 2018, 19, 2305-2310.	0.5	0
44	Fault recognition based test score for improving the accuracy of defect diagnosis. Electronics Letters, 2021, 57, 597-599.	0.5	0
45	TreeMerge: Efficient Generation of Minimal Hitting-Sets for Conflict Sets in Tree Structure for Model-Based Fault Diagnosis. IEEE Transactions on Reliability, 2021, 70, 1596-1610.	3.5	0
46	An Efficient Approach for Computing Conflict Sets Combining Failure Probability with SAT. Lecture Notes in Computer Science, 2018, , 48-58.	1.0	0
47	An efficient power set mapping space blocking algorithm for sensor selection in uncertain systems with quantified diagnosability requirements. Applied Intelligence, 0, , .	3.3	0