

Yu Yang

List of Publications by Year in descending order

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73
papers

2,220
citations

361413

20
h-index

233421

45
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76
all docs

76
docs citations

76
times ranked

2637
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of carbohydrates and lignocellulosic biomass into 5-hydroxymethylfurfural using $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ catalyst in a biphasic solvent system. <i>Green Chemistry</i> , 2012, 14, 509-513.	9.0	298
2	Microbial Degradation and Valorization of Plastic Wastes. <i>Frontiers in Microbiology</i> , 2020, 11, 442.	3.5	287
3	Synthesis of Furfural from Xylose, Xylan, and Biomass Using $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ in Biphasic Media via Xylose Isomerization to Xylulose. <i>ChemSusChem</i> , 2012, 5, 405-410.	6.8	172
4	Biodegradation and mineralization of polystyrene by plastic-eating superworms <i>Zophobas atratus</i> . <i>Science of the Total Environment</i> , 2020, 708, 135233.	8.0	164
5	Conversion of glucose into furans in the presence of AlCl_3 in an ethanol-water solvent system. <i>Bioresource Technology</i> , 2012, 116, 190-194.	9.6	162
6	General features to enhance enzymatic activity of poly(ethylene terephthalate) hydrolysis. <i>Nature Catalysis</i> , 2021, 4, 425-430.	34.4	92
7	Molecularly imprinted polymer using β -cyclodextrin as functional monomer for the efficient recognition of bilirubin. <i>Analytica Chimica Acta</i> , 2008, 606, 92-97.	5.4	83
8	A One-Pot Two-Step Approach for the Catalytic Conversion of Glucose into 2,5-Diformylfuran. <i>Catalysis Letters</i> , 2011, 141, 735-741.	2.6	67
9	One-pot synthesis of 5-hydroxymethylfurfural directly from starch over solid catalyst. <i>Bioresource Technology</i> , 2012, 116, 302-306.	9.6	55
10	Facile synthesis of a two-dimensional layered Ni-MOF electrode material for high performance supercapacitors. <i>RSC Advances</i> , 2018, 8, 17747-17753.	3.6	55
11	KRAS(G12D) can be targeted by potent inhibitors via formation of salt bridge. <i>Cell Discovery</i> , 2022, 8, 5.	6.7	52
12	Establishment of BmoR-based biosensor to screen isobutanol overproducer. <i>Microbial Cell Factories</i> , 2019, 18, 30.	4.0	35
13	Electrochemical biosensor based on functional composite nanofibers for detection of K-ras gene via multiple signal amplification strategy. <i>Analytical Biochemistry</i> , 2014, 466, 51-58.	2.4	31
14	Four calcium coordination polymers based on 2,5-dibromoterephthalic acid and different N-donor organic species: syntheses, structures, topologies, and luminescence properties. <i>CrystEngComm</i> , 2016, 18, 8664-8671.	2.6	30
15	Multi-component hydrogen-bonding salts formed between imidazole and aromatic acids: Synthons cooperation and crystal structures. <i>Science China Chemistry</i> , 2012, 55, 2115-2122.	8.2	29
16	Effects of 5-hydroxytryptamine 2C receptor agonist MK212 and 2A receptor antagonist MDL100907 on maternal behavior in postpartum female rats. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 117, 25-33.	2.9	24
17	A simplified thermoregulation model of the human body in warm conditions. <i>Applied Ergonomics</i> , 2017, 59, 387-400.	3.1	24
18	Reassignment of the human aldehyde dehydrogenase ALDH8A1 (ALDH12) to the kynurenine pathway in tryptophan catabolism. <i>Journal of Biological Chemistry</i> , 2018, 293, 9594-9603.	3.4	24

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19	Discovery of Novel Indole-Based Allosteric Highly Potent ATX Inhibitors with Great <i>In Vivo</i> Efficacy in a Mouse Lung Fibrosis Model. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7326-7346.	6.4	23
20	Advanced Understanding of the Electron Transfer Pathway of Cytochrome P450s. <i>ChemBioChem</i> , 2021, 22, 1317-1328.	2.6	23
21	Investigation of hydrogen bonding patterns in a series of multi-component molecular solids formed by tetrabromoterephthalic acid with selected N-heterocycles. <i>RSC Advances</i> , 2014, 4, 56816-56830.	3.6	20
22	Prediction of the potential global distribution for <i>Biomphalaria straminea</i> , an intermediate host for <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006548.	3.0	20
23	Observing 3-hydroxyanthranilate-3,4-dioxygenase in action through a crystalline lens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19720-19730.	7.1	20
24	Behavioral and pharmacological investigation of anxiety and maternal responsiveness of postpartum female rats in a pup elevated plus maze. <i>Behavioural Brain Research</i> , 2015, 292, 414-427.	2.2	19
25	Geographical variation in lung cancer risk associated with road traffics in Jiading District, Shanghai. <i>Science of the Total Environment</i> , 2019, 652, 729-735.	8.0	19
26	Structural Insights into Enzymatic Degradation of Oxidized Polyvinyl Alcohol. <i>ChemBioChem</i> , 2014, 15, 1882-1886.	2.6	18
27	Research on the Effect of Surfactants on the Biodesulfurization of Coal. <i>Energy & Fuels</i> , 2017, 31, 8116-8119.	5.1	18
28	Biodesulfurization of coal using <i>Rhodococcus erythropolis</i> SX-12 and <i>Acidithiobacillus ferrooxidans</i> GF: A two-step approach. <i>Energy Science and Engineering</i> , 2019, 7, 162-169.	4.0	17
29	Substrate-Assisted Hydroxylation and <i>O</i> -Demethylation in the Peroxidase-like Cytochrome P450 Enzyme CYP121. <i>ACS Catalysis</i> , 2020, 10, 1628-1639.	11.2	17
30	<i>Intestinirhabdus alba</i> gen. nov., sp. nov., a novel genus of the family Enterobacteriaceae, isolated from the gut of plastic-eating larvae of the Coleoptera insect <i>Zophobas atratus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4951-4959.	1.7	17
31	Construction of interesting organic supramolecular structures with synthons cooperation in the cocrystals of 1H-benzotriazole and hydroxybenzoic acids. <i>Science China Chemistry</i> , 2012, 55, 2515-2522.	8.2	16
32	<i>Mixta tenebrionis</i> sp. nov., isolated from the gut of the plastic-eating mealworm <i>Tenebrio molitor</i> L.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 790-796.	1.7	16
33	Co-crystallization of glycine anhydride with the hydroxybenzoic acids: Controlled formation of dimers via synthons cooperation and structural characterization. <i>Science China Chemistry</i> , 2012, 55, 2381-2387.	8.2	15
34	Using halogen-halogen interactions or C/N-H-Cl hydrogen bonding to direct crystal packing in tetrachlorophthalic acid with N-heterocyclic compounds. <i>RSC Advances</i> , 2015, 5, 10275-10289.	3.6	15
35	High-level expression, purification, and enzymatic characterization of truncated poly(vinyl alcohol) dehydrogenase in methylotrophic yeast <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1113-1120.	3.6	13
36	Adapting to oxygen: 3-Hydroxyanthranilate 3,4-dioxygenase employs loop dynamics to accommodate two substrates with disparate polarities. <i>Journal of Biological Chemistry</i> , 2018, 293, 10415-10424.	3.4	13

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37	Coverage of Haemophilus influenzae Type b Conjugate Vaccine for Children in Mainland China. Pediatric Infectious Disease Journal, 2019, 38, 248-252.	2.0	13
38	High Efficiency Preparation and Characterization of Intact Poly(Vinyl Alcohol) Dehydrogenase from Sphingopyxis sp.113P3 in Escherichia coli by Inclusion Bodies Renaturation. Applied Biochemistry and Biotechnology, 2014, 172, 2540-2551.	2.9	12
39	Haemophilus influenzae type b carriage and burden of its related diseases in Chinese children: Systematic review and meta-analysis. Vaccine, 2017, 35, 6275-6282.	3.8	12
40	Real-time molecular recognition between protein and photosensitizer of photodynamic therapy by quartz crystal microbalance sensor. Analytical Biochemistry, 2009, 392, 22-27.	2.4	11
41	Catalyst-Free Cyclization- and Curtius Rearrangement-Induced Functional Group Transformation: An Improved Synthetic Strategy of First-in-Class ATX Inhibitor Ziritaxestat (GLPG-1690). Organic Process Research and Development, 2020, 24, 997-1005.	2.7	11
42	Harmine-inspired design and synthesis of benzo[d]imidazo[2,1-b]thiazole derivatives bearing 1,3,4-oxadiazole moiety as potential tumor suppressors. Bioorganic and Medicinal Chemistry, 2021, 46, 116367.	3.0	11
43	Structure guided design of potent indole-based ATX inhibitors bearing hydrazone moiety with tumor suppression effects. European Journal of Medicinal Chemistry, 2020, 201, 112456.	5.5	10
44	Cellulosimicrobium composti sp. nov., a thermophilic bacterium isolated from compost. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	10
45	Rational Design and Controlled Synthesis of Ni ₃ S ₂ /Ni _x P _y Heterostructured Nanosheets for the Hydrogen Evolution Reaction. Chemistry - A European Journal, 2021, 27, 2463-2468.	3.3	9
46	Myroides albus sp. nov., isolated from the gut of plastic-eating larvae of the coleopteran insect Zophobas atratus. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5460-5466.	1.7	9
47	Human eukaryotic elongation factor 1A forms oligomers through specific cysteine residues. Acta Biochimica Et Biophysica Sinica, 2015, 47, gmv113.	2.0	8
48	Alginate-enclosed copper hexacyanoferrate graphene oxide granules for adsorption of low-concentration cesium ions from aquatic environment. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 655-663.	1.5	8
49	M3GPSpectra: A novel approach integrating variable selection/construction and MLR modeling for quantitative spectral analysis. Analytica Chimica Acta, 2021, 1160, 338453.	5.4	8
50	Tenebrionibacter intestinalis gen. nov., sp. nov., a member of a novel genus of the family Enterobacteriaceae, isolated from the gut of the plastic-eating mealworm Tenebrio molitor L.. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	8
51	Expression and fermentation optimization of oxidized polyvinyl alcohol hydrolase in <i>E. coli</i> . Journal of Industrial Microbiology and Biotechnology, 2012, 39, 99-104.	3.0	7
52	Quaternary structure of L-lysine-2-carboxymuconate- μ -semialdehyde decarboxylase (ACMSD) controls its activity. Journal of Biological Chemistry, 2019, 294, 11609-11621.	3.4	7
53	Dual-information-based evolution and dual-selection strategy in evolutionary multiobjective optimization. Soft Computing, 2020, 24, 3193-3221.	3.6	6
54	Structural investigation of a thermostable 1,2-mannobiose phosphorylase from Thermoanaerobacter sp. X-514. Biochemical and Biophysical Research Communications, 2021, 579, 54-61.	2.1	6

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55	Nitrogen Fixation and Diazotrophic Community in Plastic-Eating Mealworms <i>Tenebrio molitor</i> L. <i>Microbial Ecology</i> , 2023, 85, 264-276.	2.8	6
56	Nonlinear optical material of a low-dimensional coordination polymer: Synthesis, structure, NLO and fluorescence properties. <i>Science China Chemistry</i> , 2012, 55, 2123-2127.	8.2	5
57	A Pitcher-and-Catcher Mechanism Drives Endogenous Substrate Isomerization by a Dehydrogenase in Kynurenine Metabolism. <i>Journal of Biological Chemistry</i> , 2016, 291, 26252-26261.	3.4	4
58	A Novel Taper Design Method for Face-Milled Spiral Bevel and Hypoid Gears by Completing Process Method. <i>International Journal of Precision Engineering and Manufacturing</i> , 2022, 23, 1-13.	2.2	4
59	Diflunisal Derivatives as Modulators of ACMS Decarboxylase Targeting the Tryptophan→Kynurenine Pathway. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 797-811.	6.4	4
60	Hydrothermal synthesis, structures and properties of metal phosphonates based on m-xylylenediphosphonic acid. <i>Science Bulletin</i> , 2014, 59, 4720-4727.	1.7	3
61	Roles of tryptophan residue and disulfide bond in the variable lid region of oxidized polyvinyl alcohol hydrolase. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 509-514.	2.1	3
62	The dihydrolipoyl acyltransferase gene BCE2 participates in basal resistance against <i>Phytophthora infestans</i> in potato and <i>Nicotiana benthamiana</i> . <i>Journal of Plant Physiology</i> , 2014, 171, 907-914.	3.5	3
63	A regulation mechanism for the promoter region of the pet II operon in <i>Acidithiobacillus ferrooxidans</i> ATCC23270. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 1142-1147.	2.1	3
64	Active design and manufacture of face-milled spiral bevel gear by completing process method with fixed workpiece axis based on a free-form machine tool. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 2925-2942.	3.0	3
65	Novel imidazo[1,2-a]pyridine derivatives as potent ATX allosteric inhibitors: Design, synthesis and promising in vivo anti-fibrotic efficacy in mice lung model. <i>Bioorganic Chemistry</i> , 2022, 120, 105590.	4.1	3
66	Biochemical characterization and high-level production of oxidized polyvinyl alcohol hydrolase from <i>Sphingopyxis</i> sp. 113P3 expressed in methylotrophic <i>Pichia pastoris</i> . <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 777-782.	3.4	2
67	Factors associated with uptake of <i>Haemophilus influenzae</i> type b vaccination in Shanghai, China. <i>BMC Pediatrics</i> , 2019, 19, 8.	1.7	2
68	Structural insights into the cyclization of unusual brasilane-type sesquiterpenes. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1784-1791.	7.5	2
69	Multi-component hydrogen-bonding organic salts formed from 1-methylpiperazine with aromatic carboxylic acids: Synthons cooperation and crystal structures. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 9-15.	2.6	1
70	Hydrogen Bonding Assembled 3D Supramolecular Structures Formed by 5-Amino-2,4,6-triiodoisophthalic Acid and N-Heterocyclic Aromatic Ligands. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 806-811.	2.6	1
71	Hybrid imidazo[1,2-a]pyridine analogs as potent ATX inhibitors with concrete in vivo antifibrosis effect. <i>Archiv Der Pharmazie</i> , 0, , .	4.1	1
72	Solvent Control in the Formation of Supramolecular Solvates of 2,4-Diamino-6-methyl-1,3,5-triazine with 5-Nitroisophthalic Acid. <i>Journal of Chemical Crystallography</i> , 2020, 50, 1-7.	1.1	0

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73	Change the original microbial community structure in the hydrolysis acidification tank to enhance the COD removal performance of oily wastewater. <i>Water Science and Technology</i> , 2021, 84, 1477-1486.	2.5	0