

Yizhe Yan

List of Publications by Year in descending order

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52
papers

2,289
citations

236925

25
h-index

223800

46
g-index

67
all docs

67
docs citations

67
times ranked

2043
citing authors

#	ARTICLE	IF	CITATIONS
1	Metagenomic analysis of gut microbiota modulatory effects of jujube (<i>Ziziphus jujuba</i> Mill.) polysaccharides in a colorectal cancer mouse model. <i>Food and Function</i> , 2020, 11, 163-173.	4.6	204
2	Selective Iodine-Catalyzed Intermolecular Oxidative Amination of C(sp ³)H Bonds with <i>ortho</i> -Carbonyl-Substituted Anilines to Give Quinazolines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8077-8081.	13.8	192
3	Metal-free intramolecular oxidative decarboxylative amination of primary α -amino acids with product selectivity. <i>Chemical Communications</i> , 2011, 47, 9513.	4.1	144
4	Comparison of structural characterization and antioxidant activity of polysaccharides from jujube (<i>Ziziphus jujuba</i> Mill.) fruit. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1008-1018.	7.5	133
5	A Catalyst-Free Benzylic C-H Bond Olefination of Azaarenes for Direct Mannich-like Reactions. <i>Journal of Organic Chemistry</i> , 2011, 76, 6849-6855.	3.2	122
6	Effect of plasma-activated water on the structure and in vitro digestibility of waxy and normal maize starches during heat-moisture treatment. <i>Food Chemistry</i> , 2020, 306, 125589.	8.2	116
7	Mild Metal-Free Sequential Dual Oxidative Amination of C(sp ³)H bonds: Efficient Synthesis of Imidazo[1,5-a]pyridines. <i>Organic Letters</i> , 2013, 15, 2274-2277.	4.6	113
8	An Insight into the Research Concerning <i>Panax ginseng</i> C. A. Meyer Polysaccharides: A Review. <i>Food Reviews International</i> , 2022, 38, 1149-1165.	8.4	102
9	Purification, Structure and Biological Activity of Pumpkin Polysaccharides: A Review. <i>Food Reviews International</i> , 2023, 39, 307-319.	8.4	96
10	I ₂ -Catalyzed Aerobic Oxidative C(sp ³)H Amination/C-N Cleavage of Tertiary Amine: Synthesis of Quinazolines and Quinazolinones. <i>Journal of Organic Chemistry</i> , 2015, 80, 5581-5587.	3.2	82
11	Structural characterization of a galacturonic acid-rich polysaccharide from <i>Ziziphus Jujuba</i> cv. Muzao. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 844-852.	7.5	82
12	Copper-Catalyzed Radical Methylation/C-H Amination/Oxidation Cascade for the Synthesis of Quinazolinones. <i>Journal of Organic Chemistry</i> , 2015, 80, 4736-4742.	3.2	72
13	Application of Raman spectroscopy in structure analysis and crystallinity calculation of corn starch. <i>Starch/Staerke</i> , 2015, 67, 612-619.	2.1	63
14	Effect of ultrasonic intensity on structure and properties of wheat starch-monoglyceride complex and its influence on quality of norther-style Chinese steamed bread. <i>LWT - Food Science and Technology</i> , 2021, 138, 110677.	5.2	46
15	Catalyst and additive-free regioselective oxidative C-H thio/selenocyanation of arenes and heteroarenes with elemental sulfur/selenium and TMSCN. <i>Chemical Communications</i> , 2018, 54, 13367-13370.	4.1	44
16	CuI-catalyzed and air promoted oxidative cyclization for one-pot synthesis of polyarylated oxazoles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4304.	2.8	40
17	Effect of an Atmospheric Pressure Plasma Jet on the Structure and Physicochemical Properties of Waxy and Normal Maize Starch. <i>Polymers</i> , 2019, 11, 8.	4.5	39
18	The effect of NaCl on the formation of starch-lipid complexes. <i>Food Chemistry</i> , 2019, 299, 125133.	8.2	37

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19	Cerium(III)-catalyzed cascade cyclization: an efficient approach to functionalized pyrrolo[1,2-a]quinolines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4837-4840.	2.8	34
20	Photoredox-Catalyzed Oxydifluoroalkylation of Styrenes for Access to Difluorinated Ketones with DMSO as an Oxidant. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3723-3728.	4.3	34
21	Alkyl Ether as a One-Carbon Synthon: Route to 2,4-Disubstituted 1,3,5-Triazines via C-H Amination/C-O Cleavage under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2017, 19, 6228-6231.	4.6	32
22	Copper-catalyzed aerobic oxidative decarboxylative amination of arylacetic acids: a facile access to 2-arylquinazolines. <i>RSC Advances</i> , 2016, 6, 36192-36197.	3.6	31
23	The degradation of <i>Alternaria</i> mycotoxins by dielectric barrier discharge cold plasma. <i>Food Control</i> , 2020, 117, 107333.	5.5	31
24	Cobalt-catalyzed oxidative [3 + 2] cycloaddition reactions: an efficient synthesis of pyrrolo- and imidazo-[2,1-a]isoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6691.	2.8	28
25	Copper-Catalyzed Oxidative Coupling of α -Keto Esters with <i>N</i> -Methylamides for the Synthesis of Symmetrical 2,3,5,6-Tetrasubstituted Pyridines. <i>Journal of Organic Chemistry</i> , 2017, 82, 8628-8633.	3.2	27
26	Potassium Iodide/ <i>t</i> -Butyl Hydroperoxide-Mediated Oxidative Annulation for the Selective Synthesis of <i>N</i> -Substituted 1,2,3-Benzotriazine-4(3H)-ones Using Nitromethane as the Nitrogen Synthon. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 212-217.	4.3	26
27	Influence of ethanol-water solvent and ultra-high pressure on the stability of amylose-n-octanol complex. <i>Food Hydrocolloids</i> , 2018, 74, 315-323.	10.7	25
28	One-Pot Synthesis of 3,4-Disubstituted Coumarins under Catalysis of Mn_3O_4 Nanoparticles. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 480-483.	2.4	23
29	PPh_3 /Selectfluor-Mediated Transformation of Carboxylic Acids into Acid Anhydrides and Acyl Fluorides and Its Application in Amide and Ester Synthesis. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5998-6002.	2.4	23
30	Research progress on extraction, purification, structure and biological activity of <i>Dendrobium officinale</i> polysaccharides. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	21
31	An I_2 -mediated aerobic oxidative annulation of amidines with tertiary amines via C-H amination/C-N cleavage for the synthesis of 2,4-disubstituted 1,3,5-triazines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2629-2633.	2.8	20
32	Mild and efficient TBAI-catalyzed synthesis of 1,2,3-benzotriazine-4(3H)-ones from <i>tert</i> -butyl nitrite and 2-aminobenzamides under acid-free conditions. <i>Tetrahedron Letters</i> , 2016, 57, 4170-4173.	1.4	17
33	Structure and Physicochemical Properties of Malate Starches from Corn, Potato, and Wrinkled Pea Starches. <i>Polymers</i> , 2019, 11, 1523.	4.5	15
34	Efficient synthesis of 2-arylquinazolines via copper-catalyzed dual oxidative benzylic CH aminations of methylenes. <i>Chinese Chemical Letters</i> , 2015, 26, 1216-1220.	9.0	14
35	Influence of atmospheric pressure plasma jet on the structure of microcrystalline starch with different relative crystallinity. <i>International Journal of Food Science and Technology</i> , 2019, 54, 567-575.	2.7	13
36	Transition metal-free C-F/C-Cl/C-C cleavage of $\text{ClCF}_2\text{COONa}$ for the synthesis of heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8071-8074.	2.8	12

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37	Effect of pH on formation of starch complexes with lauric acid and β -lactoglobulin. LWT - Food Science and Technology, 2020, 132, 109915.	5.2	12
38	Effect of Sodium Chloride on the Structure and Properties of Fried Starch. Starch/Staerke, 2019, 71, 1900014.	2.1	11
39	Dichloromethane as C1 Building Block: Synthesis of 2,4-Disubstituted 1,3,5-Triazines via Copper-Catalyzed Aerobic C-H/Cl Cleavage. Advanced Synthesis and Catalysis, 2019, 361, 1166-1170.	4.3	11
40	Effects of plasma-activated water and heat moisture treatment on the properties of wheat flour and dough. International Journal of Food Science and Technology, 2022, 57, 1988-1994.	2.7	11
41	A novel fast-responsive fluorescent probe based on 1,3,5-triazine for endogenous H_2S detection with large Stokes shift and its application in cell imaging. New Journal of Chemistry, 2021, 45, 9756-9760.	2.8	9
42	Iodide-promoted transformations of imidazopyridines into sulfur-bridged imidazopyridines or 1,2,4-thiadiazoles. Chemical Communications, 2021, 57, 5338-5341.	4.1	8
43	Effect of Moisture Content on Structure and Properties of Fried Potato Starch. Starch/Staerke, 2018, 70, 1800012.	2.1	7
44	A sensitive bio-probe for tracking lipid droplets with large Stokes shift and its application in cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119988.	3.9	7
45	New Strategy for the Synthesis of Heterocycles via Copper-Catalyzed Oxidative Decarboxylative Amination of Glyoxylic Acid. European Journal of Organic Chemistry, 2019, 2019, 7800-7803.	2.4	6
46	Rheological Properties of Wheat Flour Modified by Plasma-Activated Water and Heat Moisture Treatment and in vitro Digestibility of Steamed Bread. Frontiers in Nutrition, 2022, 9, 850227.	3.7	5
47	Understanding the Structure, Thermal, Pasting, and Rheological Properties of Potato and Pea Starches Affected by Annealing Using Plasma-Activated Water. Frontiers in Nutrition, 2022, 9, 842662.	3.7	4
48	Synthesis of 2,3,5,6-Tetrasubstituted Pyridines via Copper-Catalyzed Domino Oxidative Annulation of 1,3-Dicarbonyl Compounds with Methanol and Ammonium Acetate. Chinese Journal of Organic Chemistry, 2018, 38, 3381.	1.3	3
49	Carboxy groups in fatty acids facilitate the formation and thermal stability of starch-fatty acids complexes. International Journal of Food Science and Technology, 2021, 56, 6667-6673.	2.7	2
50	Recent Advances in Oxidative Coupling Reaction Catalyzed by Low-Valence Iodine. Chinese Journal of Organic Chemistry, 2018, 38, 2501.	1.3	2
51	Oxidative Alkoxylation/Dehydrogenation of Unactivated Cyclic Ketones with Simple Alcohols: Direct Route to α -Alkoxy Cycloenones. European Journal of Organic Chemistry, 2020, 2020, 6474-6477.	2.4	1
52	The preparation of starch-GMS complex and the study of the influences. , 2015, , 69-73.		0