

# 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	Purification, Structure and Biological Activity of Pumpkin Polysaccharides: A Review. Food Reviews International, 2023, 39, 307-319.	8.4	96
2	An Insight into the Research Concerning <i>Panax ginseng</i> C. A. Meyer Polysaccharides: A Review. Food Reviews International, 2022, 38, 1149-1165.	8.4	102
3	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
4	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
5	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
6	Effect of ultrasonic intensity on structure and properties of wheat starch-monoglyceride complex and its influence on quality of nother-style Chinese steamed bread. LWT - Food Science and Technology, 2021, 138, 110677.	5.2	46
7	A novel fast-responsive fluorescent probe based on 1,3,5-triazine for endogenous H <sub>2</sub> S detection with large Stokes shift and its application in cell imaging. New Journal of Chemistry, 2021, 45, 9756-9760.	2.8	9
8	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
9	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
10	Iodide-promoted transformations of imidazopyridines into sulfur-bridged imidazopyridines or 1,2,4-thiadiazoles. Chemical Communications, 2021, 57, 5338-5341.	4.1	8
11	Effect of plasma-activated water on the structure and in vitro digestibility of waxy and normal maize starches during heat-moisture treatment. Food Chemistry, 2020, 306, 125589.	8.2	116
12	Structural characterization of a galacturonic acid-rich polysaccharide from Ziziphus Jujuba cv. Muzao. International Journal of Biological Macromolecules, 2020, 147, 844-852.	7.5	82
13	Metagenomic analysis of gut microbiota modulatory effects of jujube ( <i>Ziziphus jujuba</i> Mill.) polysaccharides in a colorectal cancer mouse model. Food and Function, 2020, 11, 163-173.	4.6	204
14	Comparison of structural characterization and antioxidant activity of polysaccharides from jujube ( <i>Ziziphus jujuba</i> Mill.) fruit. International Journal of Biological Macromolecules, 2020, 149, 1008-1018.	7.5	133
15	Effect of pH on formation of starch complexes with lauric acid and $\beta$ -lactoglobulin. LWT - Food Science and Technology, 2020, 132, 109915.	5.2	12
16	Oxidative Alkoxylation/Dehydrogenation of Unactivated Cyclic Ketones with Simple Alcohols: Direct Route to $\alpha$ -Alkoxy Cycloenones. European Journal of Organic Chemistry, 2020, 2020, 6474-6477.	2.4	1
17	The degradation of Alternaria mycotoxins by dielectric barrier discharge cold plasma. Food Control, 2020, 117, 107333.	5.5	31
18	Transition metal-free C-F/C-Cl/C-C cleavage of ClCF <sub>2</sub> COONa for the synthesis of heterocycles. Organic and Biomolecular Chemistry, 2019, 17, 8071-8074.	2.8	12

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19	The effect of NaCl on the formation of starch-lipid complexes. Food Chemistry, 2019, 299, 125133.	8.2	37
20	PPh <sub>3</sub> /Selectfluor <sup>®</sup> -Mediated Transformation of Carboxylic Acids into Acid Anhydrides and Acyl Fluorides and Its Application in Amide and Ester Synthesis. European Journal of Organic Chemistry, 2019, 2019, 5998-6002.	2.4	23
21	Structure and Physicochemical Properties of Malate Starches from Corn, Potato, and Wrinkled Pea Starches. Polymers, 2019, 11, 1523.	4.5	15
22	New Strategy for the Synthesis of Heterocycles via Copper <sup>®</sup> -Catalyzed Oxidative Decarboxylative Amination of Glyoxylic Acid. European Journal of Organic Chemistry, 2019, 2019, 7800-7803.	2.4	6
23	Photoredox <sup>®</sup> -Catalyzed Oxydifluoroalkylation of Styrenes for Access to Difluorinated Ketones with DMSO as an Oxidant. Advanced Synthesis and Catalysis, 2019, 361, 3723-3728.	4.3	34
24	Effect of Sodium Chloride on the Structure and Properties of Fried Starch. Starch/Staerke, 2019, 71, 1900014.	2.1	11
25	Effect of an Atmospheric Pressure Plasma Jet on the Structure and Physicochemical Properties of Waxy and Normal Maize Starch. Polymers, 2019, 11, 8.	4.5	39
26	Dichloromethane as C1 Building Block: Synthesis of 2,4-Disubstituted 1,3,5-Triazines via Copper <sup>®</sup> -Catalyzed Aerobic C <sup>~</sup> H/C <sup>~</sup> Cl Cleavage. Advanced Synthesis and Catalysis, 2019, 361, 1166-1170.	4.3	11
27	Influence of atmospheric pressure plasma jet on the structure of microcrystalline starch with different relative crystallinity. International Journal of Food Science and Technology, 2019, 54, 567-575.	2.7	13
28	Effect of Moisture Content on Structure and Properties of Fried Potato Starch. Starch/Staerke, 2018, 70, 1800012.	2.1	7
29	An I <sub>2</sub> -mediated aerobic oxidative annulation of amidines with tertiary amines via C <sup>~</sup> H amination/C <sup>~</sup> N cleavage for the synthesis of 2,4-disubstituted 1,3,5-triazines. Organic and Biomolecular Chemistry, 2018, 16, 2629-2633.	2.8	20
30	Influence of ethanol-water solvent and ultra-high pressure on the stability of amylose-n-octanol complex. Food Hydrocolloids, 2018, 74, 315-323.	10.7	25
31	Catalyst and additive-free regioselective oxidative C <sup>~</sup> H thio/selenocyanation of arenes and heteroarenes with elemental sulfur/selenium and TMSCN. Chemical Communications, 2018, 54, 13367-13370.	4.1	44
32	Recent Advances in Oxidative Coupling Reaction Catalyzed by Low-Valence Iodine. Chinese Journal of Organic Chemistry, 2018, 38, 2501.	1.3	2
33	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
34	Alkyl Ether as a One-Carbon Synthon: Route to 2,4-Disubstituted 1,3,5-Triazines via C <sup>~</sup> H Amination/C <sup>~</sup> O Cleavage under Transition-Metal-Free Conditions. Organic Letters, 2017, 19, 6228-6231.	4.6	32
35	Copper-Catalyzed Oxidative Coupling of $\beta$ -Keto Esters with N-Methylamides for the Synthesis of Symmetrical 2,3,5,6-Tetrasubstituted Pyridines. Journal of Organic Chemistry, 2017, 82, 8628-8633.	3.2	27
36	Potassium Iodide/ <sup>tert</sup> -Butyl Hydroperoxide <sup>®</sup> -Mediated Oxidative Annulation for the Selective Synthesis of N-Substituted 1,2,3-Benzotriazine-4(3H)-ones Using Nitromethane as the Nitrogen Synthon. Advanced Synthesis and Catalysis, 2016, 358, 212-217.	4.3	26

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37	Copper-catalyzed aerobic oxidative decarboxylative amination of arylacetic acids: a facile access to 2-arylquinazolines. RSC Advances, 2016, 6, 36192-36197.	3.6	31
38	Mild and efficient TBAI-catalyzed synthesis of 1,2,3-benzotriazine-4-(3 H )-ones from tert -butyl nitrite and 2-aminobenzamides under acid-free conditions. Tetrahedron Letters, 2016, 57, 4170-4173.	1.4	17
39	Application of Raman spectroscopy in structure analysis and crystallinity calculation of corn starch. Starch/Staerke, 2015, 67, 612-619.	2.1	63
40	Efficient synthesis of 2-arylquinazolines via copper-catalyzed dual oxidative benzylic CH aminations of methylenes. Chinese Chemical Letters, 2015, 26, 1216-1220.	9.0	14
41	I<sub>2</sub>-Catalyzed Aerobic Oxidative C(sp<sup>3</sup>)â€“H Amination/Câ€“N Cleavage of Tertiary Amine: Synthesis of Quinazolines and Quinazolinones. Journal of Organic Chemistry, 2015, 80, 5581-5587.	3.2	82
42	Copper-Catalyzed Radical Methylation/Câ€“H Amination/Oxidation Cascade for the Synthesis of Quinazolinones. Journal of Organic Chemistry, 2015, 80, 4736-4742.	3.2	72
43	The preparation of starch-GMS complex and the study of the influences. , 2015, , 69-73.		0
44	Cerium(<sc>iii</sc>)-catalyzed cascade cyclization: an efficient approach to functionalized pyrrolo[1,2-a]quinolines. Organic and Biomolecular Chemistry, 2014, 12, 4837-4840.	2.8	34
45	Cobalt-catalyzed oxidative [3 + 2] cycloaddition reactions: an efficient synthesis of pyrrolo- and imidazo-[2,1-a]isoquinolines. Organic and Biomolecular Chemistry, 2013, 11, 6691.	2.8	28
46	Mild Metal-Free Sequential Dual Oxidative Amination of C(sp<sup>3</sup>)â€“H bonds: Efficient Synthesis of Imidazo[1,5-<i>a</i>]pyridines. Organic Letters, 2013, 15, 2274-2277.	4.6	113
47	CuI-catalyzed and air promoted oxidative cyclization for one-pot synthesis of polyarylated oxazoles. Organic and Biomolecular Chemistry, 2013, 11, 4304.	2.8	40
48	Selective Iodineâ€“Catalyzed Intermolecular Oxidative Amination of C(sp<sup>3</sup>)-H Bonds with <i>ortho</i>-â€“Carbonylâ€“Substituted Anilines to Give Quinazolines. Angewandte Chemie - International Edition, 2012, 51, 8077-8081.	13.8	192
49	Oneâ€“Pot Synthesis of 3,4â€“Disubstituted Coumarins under Catalysis of Mn<sub>3</sub>O<sub>4</sub> Nanoparticles. European Journal of Organic Chemistry, 2012, 2012, 480-483.	2.4	23
50	Metal-free intramolecular oxidative decarboxylative amination of primary Î±-amino acids with product selectivity. Chemical Communications, 2011, 47, 9513.	4.1	144
51	A Catalyst-Free Benzylic Câ€“H Bond Olefination of Azaarenes for Direct Mannich-like Reactions. Journal of Organic Chemistry, 2011, 76, 6849-6855.	3.2	122
52	Research progress on extraction, purification, structure and biological activity of Dendrobium officinale polysaccharides. Frontiers in Nutrition, 0, 9, .	3.7	21