

# Zhu-Jun Yao

## List of Publications by Year in descending order

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61  
papers

1,058  
citations

471509

17  
h-index

477307

29  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic or Dynamic Control on a Bifurcating Potential Energy Surface? An Experimental and DFT Study of Gold-Catalyzed Ring Expansion and Spirocyclization of 2-Propargyl- $\beta$ -tetrahydrocarbolines. <i>Journal of the American Chemical Society</i> , 2015, 137, 13290-13300.	13.7	87
2	Synthesis Studies toward Chloroazaphilone and Vinyllogous $\beta$ -Pyridones: Two Common Natural Product Core Structures. <i>Journal of Organic Chemistry</i> , 2005, 70, 4585-4590.	3.2	67
3	Short and Efficient Total Synthesis of Luotonin A and 22-Hydroxyacuminatine Using A Common Cascade Strategy. <i>Journal of Organic Chemistry</i> , 2007, 72, 6270-6272.	3.2	63
4	Protecting Group-Free Total Synthesis of ( $\beta$ )-Lanotinin B. <i>Journal of the American Chemical Society</i> , 2012, 134, 12323-12325.	13.7	63
5	Radical Hydrosilylation of Alkynes Catalyzed by Eosin Y and Thiol under Visible Light Irradiation. <i>Organic Letters</i> , 2018, 20, 3174-3178.	4.6	62
6	Highly Efficient and Mild Cascade Reactions Triggered by Bis(triphenyl)oxodiphosphonium Trifluoromethanesulfonate and a Concise Total Synthesis of Camptothecin. <i>Organic Letters</i> , 2007, 9, 2003-2006.	4.6	52
7	Total Synthesis, Assignment of Absolute Stereochemistry, and Structural Revision of Chlorofusin. <i>Journal of the American Chemical Society</i> , 2007, 129, 6400-6401.	13.7	43
8	Highly Enantioselective Michael Addition of 2-oxindole-3-carboxylate Esters to Nitroolefins Promoted by <i>Cinchona</i> Alkaloid Thiourea-Brønsted Acid Cocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2151-2156.	4.3	39
9	Development of New Pyrrolocoumarin Derivatives with Satisfactory Fluorescent Properties and Notably Large Stokes Shifts. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 6175-6182.	2.4	36
10	Access to Functionalized <i>E</i> -Allylsilanes and <i>E</i> -Alkenylsilanes through Visible-Light-Driven Radical Hydrosilylation of Mono- and Disubstituted Allenes. <i>Organic Letters</i> , 2019, 21, 9836-9840.	4.6	31
11	Visible Light-Driven Radical <i>trans</i> -Hydrosilylation of Electron-Neutral and -Rich Alkenes with Tertiary and Secondary Hydrosilanes. <i>Journal of Organic Chemistry</i> , 2018, 83, 14600-14609.	3.2	29
12	Synthesis of 2,3-Dialkylated Tartaric Acid Esters via Visible Light Photoredox-Catalyzed Reductive Dimerization of $\alpha$ -Ketoesters. <i>ACS Omega</i> , 2017, 2, 4665-4677.	3.5	26
13	Enantioselective Total Synthesis of Lycoserramine-Z Using Chiral Phosphoric Acid Catalyzed Intramolecular Michael Addition. <i>Journal of Organic Chemistry</i> , 2016, 81, 1899-1904.	3.2	25
14	Synthesis of Tricyclo[4,3,1,0 <sup>1,5</sup> ]decane Core of Plumisclerin A Using Pauson-Khand Annulation and SmI <sub>2</sub> -Mediated Radical Cyclization. <i>Organic Letters</i> , 2015, 17, 3379-3381.	4.6	21
15	Azepinoindole Synthesis via a <i>N</i> -Bromosuccinimide-Induced Cycloisomerization of Enaminoester/Enaminone. <i>Journal of Organic Chemistry</i> , 2017, 82, 1567-1574.	3.2	20
16	Enantioselective Total Synthesis of (+)-Plumisclerin A. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13313-13318.	13.8	19
17	Convenient One-Step Synthesis of Benzo[ <i>c</i> ]phenanthridines by Three-Component Reactions of Isochromenylium Tetrafluoroborates and Stilbenes in Acetonitrile. <i>Organic Letters</i> , 2016, 18, 1502-1505.	4.6	17
18	Efficient synthesis of furoquinolinones using Hendrickson reagent-initiated cascade annulation. <i>Tetrahedron</i> , 2011, 67, 5455-5460.	1.9	16

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19	Diastereoselective Synthesis of Polysubstituted Piperidines through Visible-Light-Driven Silylative Cyclization of Aza-1,6-Dienes: Experimental and DFT Studies. <i>Chemistry - A European Journal</i> , 2019, 25, 16506-16510.	3.3	16
20	Annonaceous acetogenin mimic AA005 induces cancer cell death via apoptosis inducing factor through a caspase-3-independent mechanism. <i>BMC Cancer</i> , 2015, 15, 139.	2.6	15
21	Brønsted acid-promoted dimerization of o-alkynylbenzaldehydes: a one-step synthesis of functionalized Kagan's ether analogues. <i>RSC Advances</i> , 2012, 2, 5101.	3.6	14
22	Recent advances in direct dehydrogenative biphenyl couplings. <i>Science China Chemistry</i> , 2017, 60, 701-720.	8.2	14
23	Stereodivergent total synthesis of chlorofusin and its all seven chromophore diastereomers. <i>Tetrahedron</i> , 2015, 71, 370-380.	1.9	13
24	YL064 directly inhibits STAT3 activity to induce apoptosis of multiple myeloma cells. <i>Cell Death Discovery</i> , 2018, 4, 44.	4.7	13
25	A Bioreductive Prodrug of Cucurbitacin B Significantly Inhibits Tumor Growth in the 4T1 Xenograft Mice Model. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1400-1406.	2.8	13
26	Divergent Synthesis of Oxa-Cyclic Nitrones through Gold(I)-Catalyzed 1,3-Azaprotio Transfer of Propargylic $\alpha$ -Ketocarboxylate Oximes: Experimental and DFT Studies. <i>Chemistry - A European Journal</i> , 2019, 25, 9821-9826.	3.3	13
27	Azaphilones as Activation-Free Primary-Amine-Specific Bioconjugation Reagents for Peptides, Proteins and Lipids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202111783.	13.8	13
28	Synthesis of a Mimicking Hybrid of <i>Annonaceous</i> Acetogenin with Steroid for Antitumoral Activity Investigation. <i>Chinese Journal of Chemistry</i> , 2002, 20, 1393-1400.	4.9	12
29	Synthesis of 2-vinyl-2H-benzotriazoles via NIS-promoted regio/stereoselective addition of 1H-benzotriazole to alkynes. <i>RSC Advances</i> , 2013, 3, 18446.	3.6	11
30	Biological evaluation of new mimetics of annonaceous acetogenins: Alteration of right scaffold by click linkage with aromatic functionalities. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 248-258.	5.5	10
31	Unified flexible total synthesis of chlorofusin and artificial Click mimics as antagonists against p53-HDM2 interactions. <i>Tetrahedron Letters</i> , 2014, 55, 6055-6059.	1.4	10
32	Modular assembly of cytotoxic acetogenin mimetics by click linkage with nitrogen functionalities. <i>MedChemComm</i> , 2011, 2, 918.	3.4	9
33	Michael addition-based cyclization strategy in the total synthesis of Lycopodium alkaloids. <i>Science China Chemistry</i> , 2016, 59, 1079-1087.	8.2	9
34	Atemoyacin E, A Bis-tetrahydrofuran Annonaceous Acetogenin from <i>Annona Atemoya</i> Seeds. <i>Journal of Asian Natural Products Research</i> , 2001, 3, 177-182.	1.4	8
35	A straightforward synthesis of DAH (3-deoxy-D-arabino-hept-2-ulosonic acid) and DRH (3-deoxy-D-ribo-hept-2-ulosonic acid). <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1890-1895.	1.3	8
36	In vitro observation of the molecular interaction between NodD and its inducer naringenin as monitored by fluorescence resonance energy transfer. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 783-789.	2.0	8

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37	Concise Unified Access to (âˆ™)-8-Deoxy-13-dehydroserratinine, (+)-Fawcettimine, (+)-Fawcettidine, and (âˆ™)-8-Deoxyserratinine Using a Direct Intramolecular Reductive Coupling. <i>Organic Letters</i> , 2021, 23, 3578-3583.	4.6	8
38	Atemoyacin A: A new bis-tetrahydrofuranyl annonaceous acetogenin from <i>Annona atemoya</i> H.. <i>Chinese Journal of Chemistry</i> , 2010, 13, 263-266.	4.9	7
39	Annonaceous acetogenin mimic AA005 suppresses human colon cancer cell growth in vivo through downregulation of Mcl-1. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 231-242.	6.1	7
40	Diastereoselective Access to Tetracyclic Eightâ€¢Membered Lactams through a Dearomative Heck Reaction and an Alkylative Ringâ€¢Opening Driven by Photoexcited Spiroindolines. <i>Chemistry - A European Journal</i> , 2021, 27, 6308-6314.	3.3	7
41	Direct nucleophilic C-1 addition of stable isochromenylium tetrafluoroborates under catalyst-free conditions: A new access to 1H-isochromenes. <i>Science China Chemistry</i> , 2010, 53, 869-876.	8.2	6
42	Sinomenine derivatives with embedment of nitrogen-containing heterocycles exhibiting potent TNF-Î±inhibitory activity. <i>Science China Chemistry</i> , 2012, 55, 2537-2547.	8.2	6
43	Efficient Synthesis of Octahydrophenanthrene Derivatives with Mild Cascade Reactions of Isochromenylium Tetrafluoroborates and Bifunctional Styrenes. <i>Organic Letters</i> , 2015, 17, 3314-3317.	4.6	6
44	An <sc>Eightâ€¢Step</sc> Total Synthesis of <sc>Pyrroloquinoloneâ€¢Type</sc> <i>Lycopodium</i> Alkaloid <i>via</i> a Tandem Annulation Approach<sup>â€¢</sup>. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1560-1564.	4.9	6
45	New triterpenoid saponin glycosides from the fruit fibers of <i>Trichosanthes cucumerina</i> L.. <i>RSC Advances</i> , 2020, 10, 10461-10470.	3.6	6
46	YL064 activates proteasomal-dependent degradation of c-Myc and synergistically enhances the anti-tumor activity of ABT-199 in diffuse large B cell lymphoma. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 116.	17.1	6
47	Recent Progress on the Chemical Synthesis of Annonaceous Acetogenins and Their Structurally Modified Mimics. , 2006, , 399-441.		5
48	Synthesis of (2<i>R</i>,3<i>R</i>,8<i>R</i>)-6-Chloro-3-hydroxy-1,2,3,3a,8,8a-hexahydropyrrolo[2,3<i>b</i>]indole-2-carboxylic Acid Methyl Ester by Reductive Cyclization. <i>Chinese Journal of Chemistry</i> , 2004, 22, 365-370.		
49	Identification of novel bivalent mimetics of annonaceous acetogenins via a scaffold-hopping strategy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1650-1653.	2.2	5
50	Sinomenine derivative YL064: a novel STAT3 inhibitor with promising anti-myeloma activity. <i>Cell Death and Disease</i> , 2018, 9, 1093.	6.3	5
51	Unified Total Synthesis of Tetracyclic Diquinane <i>Lycopodium</i> Alkaloids (+)-Paniculatine, (âˆ™)-Magellanine, and (+)-Magellaninone. <i>Journal of Organic Chemistry</i> , 0, , .	3.2	5
52	Efficient Total Synthesis of (<i>S</i>)-14-Azacamptothecin. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1382-1388.	3.3	4
53	Gram-Scale Laboratory Synthesis of UM171, a Potent Agonist of Human Hematopoietic Stem Cell Self-Renewal. <i>Journal of Organic Chemistry</i> , 2016, 81, 10236-10241.	3.2	4
54	Synthesis of N 11-anchoring biotinylated artemisinin derivatives and their preliminary biological assessment. <i>Science China Chemistry</i> , 2010, 53, 119-124.	8.2	3

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55	Total Synthesis of Suberitines Aâ€”D Featuring Tunable Biomimetic Lateâ€”Stage Oxidative Dearomatization and Acetalization. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
56	Syntheses of Chiral Acyclic Natural Products from Sugar. <i>Journal of the Chinese Chemical Society</i> , 1995, 42, 681-689.	1.4	2
57	A chironâ€”based approach for the synthesis of tricyclic tyrosine analogue. <i>Chinese Journal of Chemistry</i> , 2004, 22, 1022-1028.	4.9	2
58	11â€”Azaâ€”artemisinin Derivatives Exhibit Anticancer Activities by Targeting the Fatty Acid Binding Protein 6 (FABP6). <i>Chinese Journal of Chemistry</i> , 2018, 36, 1197-1201.	4.9	2
59	Enantioselective Total Synthesis of (+)-Plumisclerinâ€”A. <i>Angewandte Chemie</i> , 2018, 130, 13497-13502.	2.0	2
60	Azaphilones as Activationâ€”Free Primaryâ€”Amineâ€”Specific Bioconjugation Reagents for Peptides, Proteins and Lipids. <i>Angewandte Chemie</i> , 0, , .	2.0	2
61	Cytotoxic analogues of marine diterpenoid plumisclerin A by shifting the lipophilic branch on the characteristic tricyclic core. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4553-4558.	2.8	1