Yan-Kai Liu

List of Publications by Year
in descending order

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43 papers	1,350 citations	394421 19 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	1092 citing authors

#	Article	IF	Citations
1	Antioxidant and Anticancer Activities of Synthesized Methylated and Acetylated Derivatives of Natural Bromophenols. Antioxidants, 2022, 11, 786.	5.1	2
2	BrÃ¸nsted acid-catalyzed dynamic kinetic resolution of in situ formed acyclic N,O-hemiaminals: cascade synthesis of chiral cyclic N,O-aminals. Organic Chemistry Frontiers, 2021, 8, 6309-6316.	4.5	8
3	Asymmetric organocatalytic vinylogous Michael addition triggered triple-cascade reactions of 2-hydroxycinnamaldehydes and vinylogous nucleophiles: construction of benzofused oxabicyclo[3.3.1]nonane scaffolds. Chemical Communications, 2021, 57, 1762-1765.	4.1	16
4	Enantioselective organocatalytic sequential Michael-cyclization of functionalized nitroalkanes to 2-hydroxycinnamaldehydes: synthesis of benzofused dioxa[3.3.1] and oxa[4.3.1] methylene-bridged compounds. Organic Chemistry Frontiers, 2021, 8, 4217-4223.	4.5	6
5	Synthesis of Chiral Polycyclic Tetrahydrocarbazoles by Enantioselective Aminocatalytic Double Activation of 2-Hydroxycinnamaldehydes with Dienals. Organic Letters, 2021, 23, 6515-6519.	4.6	13
6	Bromophenol Bis (2,3,6-Tribromo-4,5-dihydroxybenzyl) Ether Protects HaCaT Skin Cells from Oxidative Damage via Nrf2-Mediated Pathways. Antioxidants, 2021, 10, 1436.	5.1	7
7	Marine Bromophenol Bis(2,3,6-Tribromo-4,5-Dihydroxybenzyl)ether Inhibits Angiogenesis in Human Umbilical Vein Endothelial Cells and Reduces Vasculogenic Mimicry in Human Lung Cancer A549 Cells. Marine Drugs, 2021, 19, 641.	4.6	6
8	An asymmetric multicatalytic reaction sequence of 2-hydroxycinnamaldehydes and enolic 1,3-dicarbonyl compounds to construct bridged bicyclic acetals. Organic Chemistry Frontiers, 2020, 7, 292-297.	4.5	18
9	Asymmetric organocatalytic multicomponent reactions for efficient construction of bicyclic compounds bearing bisacetal and isoxazolidine moieties. Chemical Communications, 2020, 56, 12765-12768.	4.1	5
10	Chemoreactive-Inspired Discovery of Influenza A Virus Dual Inhibitor to Block Hemagglutinin-Mediated Adsorption and Membrane Fusion. Journal of Medicinal Chemistry, 2020, 63, 6924-6940.	6.4	20
11	The Quinary Catalystâ€“Substrate Complex Induced Construction of Spiro-Bridged or Cagelike Polyheterocyclic Compounds via a Substrate-Controlled Cascade Process. Organic Letters, 2019, 21, 6750-6755.	4.6	26
12	Application of E1cB Elimination in Asymmetric Organocatalytic Cascade Reactions To Construct Polyheterocyclic Compounds. Organic Letters, 2019, 21, 8358-8363.	4.6	15
13	Asymmetric Organocatalyzed Reaction Sequence To Synthesize Chiral Bridged and Spiro-Bridged Benzofused Aminals via Divergent Pathways. Organic Letters, 2019, 21, 5556-5561.	4.6	20
14	Organocatalytic asymmetric synthesis of both cis- and trans-configured pyrano[2,3-b]chromenes via different dehydration pathways. Organic Chemistry Frontiers, 2019, 6, 1972-1976.	4.5	14
15	Aspergiolides A and B: Core Structural Establishment and Synthesis of Structural Analogues. Journal of Organic Chemistry, 2019, 84, 4451-4457.	3.2	8
16	Asymmetric construction of polycyclic indole derivatives with different ring connectivities by an organocatalysis triggered two-step sequence. Organic Chemistry Frontiers, 2019, 6, 919-924.	4.5	20
17	Asymmetric organocatalyzed reaction sequence of 2-hydroxy cinnamaldehydes and acyclic N-sulfonyl ketimines to construct diverse chiral bridged polycyclic aminals. Organic Chemistry Frontiers, 2019, 6, 3725-3730.	4.5	10
18	Two Competitive but Switchable Organocatalytic Cascade Reaction Pathways: The Diversified Synthesis of Chiral Acetal-Containing Bridged Cyclic Compounds. Organic Letters, 2019, 21, 190-195.	4.6	18

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19	Organocatalytic Diversity-Oriented Asymmetric Synthesis of Structurally and Stereochemically Complex Heterocycles. Organic Letters, 2018, 20, 1630-1633.	4.6	24
20	Diversified Synthesis of Chiral Chromane-Containing Polyheterocyclic Compounds via Asymmetric Organocatalytic Cascade Reactions. ACS Omega, 2018, 3, 16615-16625.	3.5	16
21	Organocatalytic Asymmetric Synthesis of Spiro-Bridged and Spiro-Fused Heterocyclic Compounds Containing Chromane, Indole, and Oxindole Moieties. Organic Letters, 2018, 20, 6682-6686.	4.6	43
22	Anthranosides Aâ€“C, Anthranilate Derivatives from a Sponge-Derived Streptomyces sp. CMN-62. Organic Letters, 2018, 20, 5466-5469.	4.6	23
23	Different hybridized oxygen atoms controlled chemoselective formation of oxocarbenium ions: synthesis of chiral heterocyclic compounds. Organic and Biomolecular Chemistry, 2018, 16, 6507-6520.	2.8	22
24	Asymmetric Organocatalytic Sequential Reaction of Structurally Complex Cyclic Hemiacetals and Functionalized Nitro-olefins To Synthesize Diverse Heterocycles. Organic Letters, 2018, 20, 3609-3612.	4.6	16
25	Lactols in an asymmetric aldol-desymmetrization sequence: access to tetrahydro-4H-furo[2,3-b]pyran-2-one and tetrahydro-4H-furo[2,3-b]furan-2-one derivatives. Organic and Biomolecular Chemistry, 2017, 15, 1407-1417.	2.8	14
26	Diversity-Oriented One-Pot Synthesis to Construct Functionalized Chroman-2-one Derivatives and Other Heterocyclic Compounds. Journal of Organic Chemistry, 2017, 82, 4774-4783.	3.2	43
27	Lactols in Asymmetric Sequential Organoâ€•and Goldâ€€Catalysis: Synthesis of Densely Functionalized Epimeric Bicyclic O,Oâ€Acetals. Advanced Synthesis and Catalysis, 2017, 359, 4260-4266.	4.3	21
28	Enantio- and diastereoselective synthesis of tetrahydrofuro[2,3-b]furan-2(3H)-one derivatives and related oxygen heterocycles via an asymmetric organocatalytic cascade process. Organic Chemistry Frontiers, 2017, 4, 2358-2363.	4.5	19
29	Asymmetric Organocatalytic One-Pot, Two-Step Sequential Process to Synthesize Chiral Acetal-Containing Polycyclic Derivatives from Cyclic Hemiacetals and Enones. Journal of Organic Chemistry, 2017, 82, 10450-10460.	3.2	21
30	AS1041, a Novel Synthesized Derivative of Marine Natural Compound Aspergiolide A, Arrests Cell Cycle, Induces Apoptosis, and Inhibits ERK Activation in K562 Cells. Marine Drugs, 2017, 15, 346.	4.6	9
31	Organocatalytic, Asymmetric [2+2+2] Annulation to Construct Six-Membered Spirocyclic Oxindoles with Six Continuous Stereogenic Centers. Catalysts, 2016, 6, 65.	3.5	19
32	The Attractive Application of Lactol Chemistry: From Racemic Lactol to Natural Product Skeleton. Synthesis, 2016, 48, 2581-2594.	2.3	9
33	From racemic precursors to fully stereocontrolled products: one-pot synthesis of chiral Î±-amino lactones and lactams. Organic and Biomolecular Chemistry, 2016, 14, 6316-6327.	2.8	15
34	Penipyridones Aâ€“F, Pyridone Alkaloids from Penicillium funiculosum. Journal of Natural Products, 2016, 79, 1783-1790.	3.0	26
35	One-pot, highly efficient, asymmetric synthesis of ring-fused piperidine derivatives bearing N,O- or N,N-acetal moieties. Organic and Biomolecular Chemistry, 2016, 14, 2444-2453.	2.8	29
36	Mechanism studies of the chemoselective ring opening of N-tosyl aziridines with aldehydes catalyzed by an N-heterocyclic carbene under aerobic conditions. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	1

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37	Substrate-Controlled, One-Pot Synthesis: Access to Chiral Chroman-2-one and Polycyclic Derivatives. Organic Letters, 2016, 18, 864-867.	4.6	31
38	An Efficient One-Pot Approach to the Construction of Chiral Nitrogen-Containing Heterocycles under Mild Conditions. Organic Letters, 2015, 17, 3794-3797.	4.6	25
39	Openâ€“Close: An Alternative Strategy to Î±-Functionalization of Lactone via Enamine Catalysis in One Pot under Mild Conditions. Organic Letters, 2015, 17, 2022-2025.	4.6	32
40	A highly efficient route to C-3 alkyl-substituted indoles via a metal-free transfer hydrogenation. Tetrahedron Letters, 2014, 55, 3774-3776.	1.4	11
41	Multicatalytic Asymmetric Synthesis of Complex Tetrahydrocarbazoles via a Dielsâ€“Alder/Benzoin Reaction Sequence. Organic Letters, 2012, 14, 1310-1313.	4.6	149
42	Aminocatalytic Enantioselective 1,6â€…Additions of Alkyl Thiols to Cyclic Dienones: Vinylogous Iminiumâ€…Ion Activation. Angewandte Chemie - International Edition, 2012, 51, 6439-6442.	13.8	143
43	Asymmetric Catalysis of Dielsâ€“Alder Reactions with in Situ Generated Heterocyclic ortho-Quinodimethanes. Journal of the American Chemical Society, 2011, 133, 15212-15218.	13.7	357