Xiong-Li Liu

List of Publications by Year
in descending order

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75 papers	1,462 citations	331670 21 h-index	377865 34 g-index
75 all docs	75 docs citations	75 times ranked	998 citing authors

#	Article	IF	Citations
1	Highly Efficient and Stereocontrolled Construction of 3,3â€²-Pyrrolidonyl Spirooxindoles via Organocatalytic Domino Michael/Cyclization Reaction. Organic Letters, 2013, 15, 1246-1249.	4.6	156
2	Highly Diastereo- and Enantioselective Michael Additions of 3-Substituted Oxindoles to Maleimides Catalyzed by Chiral Bifunctional Thioureaâ˜Tertiary Amine. Organic Letters, 2010, 12, 2896-2899.	4.6	119
3	Amino-Indanol-Catalyzed Asymmetric Michael Additions of Oxindoles to Protected 2-Amino-1-nitroethenes for the Synthesis of 3,3â€²-Disubstituted Oxindoles Bearing Î±,Î²-Diamino Functionality. Journal of Organic Chemistry, 2011, 76, 4008-4017.	3.2	84
4	Organocatalytic Asymmetric Conjugate Addition of 3â€Monosubstituted Oxindoles to (E)â€1,4â€Diarylâ€2â€butenâ€1,4â€diones: A Strategy for the Indirect Enantioselective Furanylation and Pyrrolylation of 3â€Alkyloxindoles. Chemistry - A European Journal, 2012, 18, 6679-6687.	3.3	58
5	Stereocontrolled Synthesis of Bispirooxindole-Based Hexahydroxanthones with Five Contiguous Stereocenters. Organic Letters, 2019, 21, 2528-2531.	4.6	47
6	Bifunctional oxindole-chromone 4C building block directed asymmetric synthesis of bispirocyclic hexahydroxanthones featuring five contiguous stereocenters and two side-by-side oxindoles. Organic Chemistry Frontiers, 2019, 6, 1603-1607.	4.5	45
7	Thioureaâ€Catalyzed Highly Diastereoâ€and Enantioselective Conjugate Additions of Î±â€Substituted Cyanoacetates to Maleimides: Efficient Construction of Vicinal Quaternaryâ€Tertiary Stereocenters. Advanced Synthesis and Catalysis, 2011, 353, 1720-1728.	4.3	38
8	1,3-Dipolar cycloaddition enabled isoxazole-fused spiropyrrolidine oxindoles syntheses from 3-methyl-4-nitro-5-alkenyl-isoxazoles and azomethine ylides. Tetrahedron, 2016, 72, 1364-1374.	1.9	36
9	Organocatalytic Michael/Michael Cycloaddition Enabled Asymmetric Construction of Hexahydroxanthones with Skeletal Diversity. Advanced Synthesis and Catalysis, 2019, 361, 2836-2843.	4.3	35
10	A bifunctional pyrazoloneâ€“chromone synthon directed organocatalytic double Michael cascade reaction: forging five stereocenters in structurally diverse hexahydroxanthones. Organic Chemistry Frontiers, 2019, 6, 1485-1490.	4.5	35
11	Recent advances of chromone-based reactants in the catalytic asymmetric domino annulation reaction. Organic Chemistry Frontiers, 2021, 8, 3968-3989.	4.5	33
12	Diversity-oriented one-pot multicomponent synthesis of spirooxindole derivatives and their biological evaluation for anticancer activities. Tetrahedron, 2016, 72, 8523-8536.	1.9	31
13	Stereocontrolled construction of six vicinal stereogenic centers on a hexahydroxanthone framework through a formal [2+1+3] annulation. Chemical Communications, 2019, 55, 14003-14006.	4.1	30
14	Organocatalytic Reaction of Chromone-Oxindole Synthon: Access to Chromanone-Based Spirocyclohexaneoxindoles with Five Adjacent Stereocenters. Journal of Organic Chemistry, 2019, 84, 6679-6688.	3.2	29
15	Assembly of functionalized Ï€-extended indolizine polycycles through dearomative [3+2] cycloaddition/oxidative decarbonylation. Chemical Communications, 2021, 57, 359-362.	4.1	28
16	Catalytic asymmetric dearomative [4 + 2] annulation of 2-nitrobenzofurans and 5H-thiazol-4-ones: stereoselective construction of dihydrobenzofuran-bridged polycyclic skeletons. Organic Chemistry Frontiers, 0, , .	4.5	28
17	A facile and efficient synthesis of polycyclic spiropyrrolidine oxindoles bearing mesityl oxide unit via a three-component 1,3-dipolar cycloaddition reaction. Tetrahedron, 2015, 71, 8131-8139.	1.9	27
18	Highly regioselective synthesis of 3-alkylthio-2-oxindoles via DABCO-catalyzed allylic Î±-substitution of Moritaâ€“Baylisâ€“Hillman carbonates of isatins with various thiols. Tetrahedron, 2014, 70, 9191-9197.	1.9	26

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19	DABCO-catalyzed sp3 Câ€“H activation: rapid access to isoxazole or coumarin-fused 3-quaternary carbon oxindoles and isoxazole-fused pyrrolidinones. Tetrahedron Letters, 2015, 56, 5637-5645.	1.4	25
20	Highly regioselective synthesis of 3-alkenyl-oxindole ring-fused 3,3â€²-disubstituted oxindoles via direct gamma-substitution of Moritaâ€“Baylisâ€“Hillman carbonates of isatins with 3-substituted oxindoles. Organic and Biomolecular Chemistry, 2014, 12, 9366-9374.	2.8	23
21	Study on antitumor activities of the chrysin-chromene-spirooxindole on Lewis lung carcinoma C57BL/6 mice in vivo. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127410.	2.2	23
22	A highly efficient and eco-friendly method for the synthesis of 1,3-indandione ring-fused 3-oxindoles bearing two contiguous quaternary stereocenters via an aldol reaction in aqueous media. Organic and Biomolecular Chemistry, 2015, 13, 601-611.	2.8	22
23	3-Methyl-4-nitro-5-isatylidenyl-isoxazoles as 1,3-dipolarophiles for synthesis of polycyclic 3,3â€²-pyrrolidinyl-dispirooxindoles and their biological evaluation for anticancer activities. Tetrahedron, 2017, 73, 5176-5188.	1.9	22
24	Oxindoleâ€chromones C3 Synthons Directed Stereocontrolled Construction of Five Contiguous Stereocenters on Spiro[tetrahydrocyclopenta[b]chromanoneâ€oxindole]s. Advanced Synthesis and Catalysis, 2019, 361, 5328-5333.	4.3	22
25	Regio- and stereoselective [3 + 2] cycloaddition reaction: access to isoxazole-dispirobisoxindoles featuring three contiguous stereocenters. Organic and Biomolecular Chemistry, 2019, 17, 6551-6556.	2.8	21
26	Highly efficient enantioselective synthesis of bispiro[benzofuran-oxindole/benzofuran-chromanone]s through organocatalytic inter-/intramolecular Michael cycloaddition. Chinese Chemical Letters, 2020, 31, 381-385.	9.0	21
27	Construction of Pyrrolidinyl Spirooxindoles via a 1,3-Dipolar Cycloaddition Reaction of (E)-N-Boc-3-Alkylidene-Indolin-2(3H)ones with Azomethine Ylides. Synthetic Communications, 2014, 44, 530-539.	2.1	19
28	Thermal-mediated catalyst-free heterolytic cleavage of 3-halooxindoles: rapid access to 3-functionalized-2-oxindoles. Organic Chemistry Frontiers, 2019, 6, 256-262.	4.5	19
29	Molecular hybridization-guided 1,3-dipolar cycloaddition reaction enabled pyrimidine-fused spiropyrrolidine oxindoles synthesis as potential anticancer agents. Tetrahedron Letters, 2016, 57, 4411-4416.	1.4	18
30	Diversity-oriented one-pot multicomponent synthesis of chromanone-based 3,3â€²-pyrrolidinyl-spirooxindoles via a 1,3-dipolar cycloaddition reaction. Tetrahedron Letters, 2019, 60, 137-141.	1.4	18
31	A convenient method for synthesis of polyfunctional dihydropyrrole spiro-fused oxindole-2-ones via an organocatalytic tandem Michael/cyclization sequence. Tetrahedron Letters, 2014, 55, 7110-7113.	1.4	16
32	Recent Advances in the Construction of Bridged Rings through Cycloadditions and Cascade Reactions. Chinese Journal of Organic Chemistry, 2021, 41, 12.	1.3	16
33	Chemical composition, antioxidant, antimicrobial and anticancer activities of the essential oil from the rhizomes of Zingiber striolatum Diels. Natural Product Research, 2020, 34, 2621-2625.	1.8	15
34	A facile and efficient synthesis of hexahydro-1H-pyrido[2,3-b]indol-2-one scaffolds via a sequential Michael addition/amidation/reductive cyclization process. Tetrahedron, 2015, 71, 9483-9495.	1.9	14
35	Synthesis of Novel Chiral Phosphoric Acidâ€Bearing Two Acidic Phenolic Hydroxyl Groups and its Catalytic Evaluation for Enantioselective Friedelâ€Crafts Alkylation of Indoles and Enones. Journal of Heterocyclic Chemistry, 2015, 52, 628-634.	2.6	14
36	Design, synthesis and evaluation of structurally diverse chrysin-chromene-spirooxindole hybrids as anticancer agents. Bioorganic and Medicinal Chemistry, 2019, 27, 115109.	3.0	14

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37	Ammonium hydroxide as the ultimate amino source for the synthesis of N-unprotected 3-tetrasubstituted aminooxindoles via catalyst-free direct amination. Green Chemistry, 2020, 22, 1837-1841.	9.0	14
38	Construction of turmerone motif-fused spiropyrrolidine oxindoles and their biological evaluation for anticancer activities. Tetrahedron Letters, 2016, 57, 1385-1389.	1.4	13
39	Highly Diastereo-, Î±-Regioselective Catalyst-Free Construction of Adjacent Dispirobisoxindoles with Three Contiguous Quaternary Carbon Centers. Synthesis, 2019, 51, 683-692.	2.3	13
40	Synthesis and in vitro evaluation of pyrimidine-fused 3-alkenyloxindoles as potential anticancer agents. Tetrahedron Letters, 2016, 57, 4113-4118.	1.4	11
41	One-pot multicomponent construction of chromanone-fused pyrrolidinyl spirooxindole collections through a decarboxylative 1,3-dipolar [3â€‰+â€‰2] cycloaddition reaction. Synthetic Communications, 2019, 49, 2425-2435.	2.1	11
42	Regioselective synthesis and evaluation of 2-amino 3-cyano chromene-chrysin hybrids as potential anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127087.	2.2	11
43	An asymmetric iminium ion catalysis-enabled cascade cycloaddition reaction of chromone-oxindole synthons with enals: construction of a spirooxindoleâ€“hexahydroxanthone framework. Organic and Biomolecular Chemistry, 2019, 17, 8369-8373.	2.8	10
44	Dienolateâ€Mediated, Regioselective C2â€Polarity Reversal of Chromoneâ€Based Reactants and Their Application in Nucleophilic Strategies. Advanced Synthesis and Catalysis, 2020, 362, 5352-5357.	4.3	10
45	Advances in chromone-based reactants in the ring opening and skeletal reconstruction reaction: access to skeletally diverse salicyloylbenzene/heterocycle derivatives. Organic and Biomolecular Chemistry, 2022, 20, 4681-4698.	2.8	10
46	Molecular Hybridization-Guided One-Pot Multicomponent Synthesis of Turmerone Motif-Fused 3,3â€²-Pyrrolidinyl-dispirooxindoles via a 1,3-Dipolar Cycloaddition Reaction. Molecules, 2017, 22, 645.	3.8	9
47	Diversityâ€oriented Construction of Chromanoneâ€fused Polycyclic Pyrrolidinylâ€dispirooxindoles. Journal of Heterocyclic Chemistry, 2018, 55, 1136-1146.	2.6	9
48	Asymmetric construction of six vicinal stereogenic centers on hexahydroxanthones via organocatalytic one-pot reactions. Chemical Communications, 2021, 57, 6764-6767.	4.1	9
49	Molecular hybridization-guided one-pot multicomponent synthesis of chromanone-fused 3,3â€²-pyrrolidinyl-dispirooxindoles through a 1,3-dipolar cycloaddition reaction. Synthetic Communications, 2018, 48, 1016-1024.	2.1	8
50	Efficient 1,6-addition reactions of 3-substituted oxindoles: Access to isoxazole-fused 3,3â€²-disubstituted oxindole scaffolds and hexahydro-1h-pyrido[2,3-b]indol-2-one scaffolds. Synthetic Communications, 2018, 48, 1454-1464.	2.1	8
51	DBU-Catalyzed Inter- and Intramolecular Double Michael Addition of Donorâ€“Acceptor Chromone-Pyrazolone/Benzofuranone Synthons: Access to Spiro-Pyrazolone/Benzofuranone-Hexahydroxanthone Hybrids. Synthesis, 2020, 52, 85-97.	2.3	8
52	Chemical Composition, Antibacterial, Enzyme-Inhibitory, and Anti-Inflammatory Activities of Essential Oil from Hedychium puerense Rhizome. Agronomy, 2021, 11, 2506.	3.0	8
53	Thermal-mediated [1,3]-hydrogen transfer as the key step: access to oxindoleâ€“chromone hybrid collection with structural diversity. Organic and Biomolecular Chemistry, 2019, 17, 9567-9572.	2.8	7
54	Diversity-oriented TsOH catalysis-enabled construction of tanshinone-substituted bis(indolyl/pyrrolyl)methanes and their biological evaluation for anticancer activities. Synthetic Communications, 2017, 47, 2378-2386.	2.1	6

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55	Transition-metal-free cascade benzannulations for synthesizing 2-hydroxybenzophenones. Organic and Biomolecular Chemistry, 2020, 18, 9039-9043.	2.8	6
56	Rapid, microwave-accelerated synthesis and anti-osteoporosis activities evaluation of Morusin scaffolds and Morusignin L scaffolds. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2389-2396.	2.2	5
57	Alcohols as Substrates and Solvents for the Construction of 3-Alkoxylated-2-Oxindoles by Direct Alkoxylation of 3-Halooxindoles. Molecules, 2017, 22, 801.	3.8	5
58	Design, synthesis and evaluation of structurally diverse ortho-acylphenol-diindolylmethane hybrids as anticancer agents. New Journal of Chemistry, 2022, 46, 1295-1307.	2.8	5
59	Molecular Hybridizationâ€Guided Construction of Convolutamydine Aâ€fused Î²â€Ionone Scaffolds and their Biological Evaluation for Anticancer Activities. Journal of Heterocyclic Chemistry, 2018, 55, 351-359.	2.6	4
60	Highly Efficient, Catalyst-Free, Diastereoselective, Diversity-Oriented Synthesis of Dihydrocoumarinâ€“Pyrrolidineâ€“Spirooxindoles Bearing Three Contiguous Stereocenters. Synthesis, 2019, 51, 2339-2350.	2.3	4
61	[1,5]-Proton transfer as a key strategy: Rapid access to natural product-inspired library of 3-pyrazolyl isoflavones. Tetrahedron, 2020, 76, 131436.	1.9	4
62	Diastereoselective construction of structurally diverse trifluoromethyl bispiro-[oxindole-pyrrolidine-chromanone]s through [3+2] cycloaddition reactions. Tetrahedron, 2021, 98, 132297.	1.9	4
63	Molecular hybridization-guided annulation reactions of isatins with 4-methylpent-3-en-2-one: A direct access to spirooxindole tetrahydropyranones. Synthetic Communications, 2018, 48, 1033-1039.	2.1	3
64	Decarboxylative, Diastereoselective and exo-Selective 1,3-Dipolar Cycloaddition for Diversity-Oriented Construction of Structural Spiro[Butyrolactoneâ€“Pyrrolidineâ€“Chromanone] Hybrids. Synlett, 2021, 32, 1447-1452.	1.8	3
65	Ring opening and skeletal reconstruction of 3-vinyl benzofuranone-chromone synthons: catalyst-free access to skeletally-diverse 2-pyridone and optically active imidazoline derivatives. Organic and Biomolecular Chemistry, 2022, 20, 2227-2232.	2.8	3
66	3-Vinyl oxindole-chromone synthon as a skeletal reconstruction reactant for the synthesis of 2-hydroxy benzoyl pyridones. New Journal of Chemistry, 2022, 46, 5474-5478.	2.8	3
67	Catalytic Asymmetric Domino Michael/Annulation Reaction of Bifunctional Chromone Synthons with Î²,Î³-Unsaturated Î±-Keto Esters: Rapid Access to Polysubstituted Spirocyclic Hexahydroxanthones. Synthesis, 0, 52, .	2.3	2
68	Chromoneâ€“indanedione reactant: a bifunctional 3C synthon for diastereoselective construction of skeleton-diversified bispiro-[chromanocyclopentane-oxindole-indanedione]. New Journal of Chemistry, 2021, 45, 12356-12361.	2.8	2
69	Synthesis of methanesulfone-containing tetrasubstituted carbon stereocenters. Organic and Biomolecular Chemistry, 2021, 19, 2269-2276.	2.8	2
70	Hyperoside suppresses osteoclasts differentiation and function through downregulating TRAF6/p38 MAPK signaling pathway. Journal of Asian Natural Products Research, 2022, , 1-12.	1.4	2
71	Et₂NH catalysis-enabled construction of convolutamydine A-fused morusignin L-scaffolds and their biological evaluation for anticancer activities. Synthetic Communications, 2017, 47, 609-617.	2.1	1
72	Diversity-oriented regioselective domino Michael/Aldol reaction of 3-ylideneoxindoles: A direct access to indanol-fused 3-oxindoles. Synthetic Communications, 2018, 48, 1346-1353.	2.1	1

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73	Diastereoselective construction of a library of structural bispiro[butyrolactone/valerolactoneâ€“pyrrolidineâ€“indanedione] hybrids via 1,3-dipolar cycloaddition reactions. New Journal of Chemistry, 2022, 46, 11975-11979.	2.8	1
74	Synthesis and crystal structure of di-tert-butyl 1â€³-acetyl-2,2â€³,9â€²-trioxo-4aâ€²,9aâ€²-dihydro-1â€²H,3â€²H,9â€²H-dispiro[indoline-3,2â€²-xan C₃₉H₃₈N₂O₉. Zeitschrift Fur Kristallographie - New Crystal Structures, 2021, .	0.3	0
75	Catalytic asymmetric Michael/cyclization reaction of 3-isothiocyanato thiobutyrolactone: an approach to the construction of a library of bispiro[pyrazolone-thiobutyrolactone] skeletons. Organic and Biomolecular Chemistry, 0, , .	2.8	0