Shao-hua Xiang

List of Publications by Year
in descending order

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54 papers	3,057 citations	159585 30 h-index	168389 53 g-index
72 all docs	72 docs citations	72 times ranked	1817 citing authors

#	Article	IF	Citations
1	Facile synthesis of N-aryl phenothiazines and phenoxazines via BrÃ¸nsted acid catalyzed Câ€“H amination of arenes. Chemical Communications, 2022, 58, 1613-1616.	4.1	3
2	Direct arylation of N-heterocycles enabled by photoredox catalysis. Chemical Communications, 2022, 58, 4392-4395.	4.1	2
3	Axially chiral alkenes: Atroposelective synthesis and applications. , 2022, 1, 100009.		46
4	Asymmetric synthesis of binaphthyls through photocatalytic cross-coupling and organocatalytic kinetic resolution. Science China Chemistry, 2022, 65, 1142-1148.	8.2	6
5	Recent Advances in Catalytic Asymmetric Construction of Atropisomers. Chemical Reviews, 2021, 121, 4805-4902.	47.7	499
6	Metal-free oxidative cross-coupling enabled practical synthesis of atropisomeric QUINOL and its derivatives. Nature Communications, 2021, 12, 2384.	12.8	32
7	Asymmetric Pnictogen-Bonding Catalysis: Transfer Hydrogenation by a Chiral Antimony(V) Cation/Anion Pair. Journal of the American Chemical Society, 2021, 143, 6382-6387.	13.7	46
8	Chiral Phosphoric Acid Catalyzed Asymmetric Synthesis of Axially Chiral Compounds^{â€}. Chinese Journal of Chemistry, 2021, 39, 1787-1796.	4.9	111
9	Copper-Catalyzed Synthesis of Axially Chiral Biaryls with Diaryliodonium Salts as Arylation Reagents. Molecules, 2021, 26, 3223.	3.8	4
10	Synthesis of structurally diversified BINOLs and NOBINs via palladium-catalyzed C-H arylation with diazoquinones. Science China Chemistry, 2021, 64, 1515-1521.	8.2	15
11	Chiral Phosphoric Acid-Catalyzed Remote Control of Axial Chirality at Boronâ€“Carbon Bond. Journal of the American Chemical Society, 2021, 143, 12924-12929.	13.7	51
12	Urea group-directed organocatalytic asymmetric versatile dihalogenation of alkenes and alkynes. Nature Catalysis, 2021, 4, 692-702.	34.4	40
13	Nitrosobenzeneâ€Enabled Chiral Phosphoric Acid Catalyzed Enantioselective Construction of Atropisomeric Nâ€Arylbenzimidazoles. Angewandte Chemie - International Edition, 2021, 60, 24888-24893.	13.8	43
14	Electrochemical phenothiazination of naphthylamines and its application in photocatalysis. Chemical Communications, 2021, 57, 8512-8515.	4.1	10
15	Enantioselective three-component Ugi reaction catalyzed by chiral phosphoric acid. Science China Chemistry, 2020, 63, 47-54.	8.2	32
16	Chiral Phosphoric Acid Creates Promising Opportunities for Enantioselective Photoredox Catalysis. Chinese Journal of Chemistry, 2020, 38, 213-214.	4.9	48
17	Direct Construction of <scp>NOBINs</scp>via Domino Arylation and Sigmatropic Rearrangement Reactions. Chinese Journal of Chemistry, 2020, 38, 1503-1514.	4.9	14
18	Advances in asymmetric organocatalysis over the last 10 years. Nature Communications, 2020, 11, 3786.	12.8	135

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19	DFT-Guided Phosphoric-Acid-Catalyzed Atroposelective Arene Functionalization of Nitrosonaphthalene. CheM, 2020, 6, 2046-2059.	11.7	83
20	Chiral Phosphoric Acid Catalyzed Atroposelective Câ”H Amination of Arenes. Angewandte Chemie, 2020, 132, 6841-6845.	2.0	39
21	Organocatalytic Enantioselective Synthesis of Atropisomeric Arylâ€•p â€Quinones: Platform Molecules for Diversityâ€Oriented Synthesis of Biaryldiols. Angewandte Chemie, 2020, 132, 11470-11474.	2.0	23
22	Organocatalytic Enantioselective Synthesis of Atropisomeric Arylâ€pâ€Quinones: Platform Molecules for Diversityâ€Oriented Synthesis of Biaryldiols. Angewandte Chemie - International Edition, 2020, 59, 11374-11378.	13.8	85
23	Michael Reaction Inspired Atroposelective Construction of Axially Chiral Biaryls. Journal of the American Chemical Society, 2020, 142, 7322-7327.	13.7	57
24	Chiral Phosphoric Acid Catalyzed Atroposelective Câ”H Amination of Arenes. Angewandte Chemie - International Edition, 2020, 59, 6775-6779.	13.8	139
25	Asymmetric Construction of Axially Chiral 2â€Arylpyrroles by Chirality Transfer of Atropisomeric Alkenes. Angewandte Chemie - International Edition, 2019, 58, 13443-13447.	13.8	75
26	Atroposelective Construction of Arylindoles by Chiral Phosphoric Acid-Catalyzed Cross-Coupling of Indoles and Quinones. Organic Letters, 2019, 21, 6000-6004.	4.6	49
27	Asymmetric Construction of Axially Chiral 2â€Arylpyrroles by Chirality Transfer of Atropisomeric Alkenes. Angewandte Chemie, 2019, 131, 13577-13581.	2.0	30
28	Organocatalytic atroposelective construction of axially chiral arylquinones. Nature Communications, 2019, 10, 4268.	12.8	92
29	Asymmetric construction of atropisomeric biaryls via a redox neutral cross-coupling strategy. Nature Catalysis, 2019, 2, 314-323.	34.4	112
30	Phosphoric acid-catalyzed atroposelective construction of axially chiral arylpyrroles. Nature Communications, 2019, 10, 566.	12.8	89
31	Organocatalytic double arylation of 3-isothiocyanato oxindoles: Stereocontrolled synthesis of complex spirooxindoles. Tetrahedron, 2019, 75, 1689-1696.	1.9	7
32	Stereoselective Construction of Complex Spirooxindoles via Bisthiourea Catalyzed Threeâ€Component Reactions. Chinese Journal of Chemistry, 2018, 36, 1182-1186.	4.9	14
33	Remote Control of Axial Chirality: Synthesis of Spirooxindoleâ€“Urazoles via Desymmetrization of ATAD. Organic Letters, 2018, 20, 6022-6026.	4.6	43
34	Asymmetric phosphoric acidâ€“catalyzed four-component Ugi reaction. Science, 2018, 361, .	12.6	150
35	Palladium-Catalyzed Decarboxylative Allylation/Wittig Reaction: Substrate-Controlled Synthesis of C-Vinyl Glycosides. Organic Letters, 2017, 19, 416-419.	4.6	26
36	Catalyst-Controlled Stereoselective O-Glycosylation: Pd(0) vs Pd(II). ACS Catalysis, 2017, 7, 5456-5460.	11.2	42

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37	Reversing the Stereoselectivity of a Palladiumâ€Catalyzed Oâ€Glycosylation through an Innerâ€Sphere or Outerâ€Sphere Pathway. Angewandte Chemie - International Edition, 2015, 54, 604-607.	13.8	40
38	Practical Route to 2-Quinolinones via a Pd-Catalyzed Câ€“H Bond Activation/Câ€“C Bond Formation/Cyclization Cascade Reaction. Organic Letters, 2015, 17, 222-225.	4.6	78
39	Palladiumâ€Catalyzed Stereoselective Câ€Glycosylation of Glycals with Sodium Arylsulfinates. European Journal of Organic Chemistry, 2015, 2015, 949-952.	2.4	24
40	Palladium-Catalyzed Glycosylation: Novel Synthetic Approach to Diverse N-Heterocyclic Glycosides. Organic Letters, 2015, 17, 1357-1360.	4.6	30
41	Stereocontrolled O-Glycosylation with Palladium-Catalyzed Decarboxylative Allylation. Journal of Organic Chemistry, 2014, 79, 11473-11482.	3.2	27
42	Dual-function Pd/NHC catalysis: tandem allylationâ€“isomerizationâ€“conjugate addition that allows access to pyrroles, thiophenes and furans. Chemical Communications, 2014, 50, 6168.	4.1	43
43	One-pot synthesis of Î²-N-glycosyl imidazole analogues via a palladium-catalysed decarboxylative allylation. Chemical Communications, 2014, 50, 4222.	4.1	28
44	Regio and stereoselective synthesis of Î²-keto functionalized C-glycosides via iron catalyzed Ferrier rearrangement reactions. RSC Advances, 2014, 4, 34816-34822.	3.6	15
45	Stereoselective Î²â€Câ€Glycosylation by a Palladiumâ€Catalyzed Decarboxylative Allylation: Formal Synthesis of Aspergillideâ€…A. Angewandte Chemie - International Edition, 2013, 52, 5134-5137.	13.8	69
46	Î²â€Type Glycosidic Bond Formation by Palladiumâ€Catalyzed Decarboxylative Allylation. Chemistry - A European Journal, 2013, 19, 14047-14051.	3.3	32
47	Regio- and Stereoselective Synthesis of 2-Deoxy-C-aryl Glycosides via Palladium Catalyzed Decarboxylative Reactions. Organic Letters, 2011, 13, 4608-4611.	4.6	83
48	Direct C-Glycosylation of Organotrifluoroborates with Glycosyl Fluorides and Its Application to the Total Synthesis of (+)-Varitriol. Organic Letters, 2011, 13, 42-45.	4.6	92
49	Facile synthesis of carbohydrate-integrated isoxazolines through tandem [4+1] cycloaddition and rearrangement of 2-nitroglycals. Chemical Communications, 2011, 47, 8676.	4.1	22
50	Stereoselective synthesis of Î²-N-glycosides through 2-deoxy-2-nitroglycal. Carbohydrate Research, 2011, 346, 2957-2959.	2.3	10
51	A Unique Pharmacophore for Activation of the Nuclear Orphan Receptor Nur77 In vivo and In vitro. Cancer Research, 2010, 70, 3628-3637.	0.9	94
52	Amide Activation by Tf2O: Reduction of Amides to Amines by NaBH4 under Mild Conditions. Synlett, 2010, 2010, 1829-1832.	1.8	15
53	A versatile approach to cis-5-substituted 4-hydroxy-2-pyrrolidinones: asymmetric synthesis of angiogenesis inhibitor streptopyrrolidine. Tetrahedron: Asymmetry, 2009, 20, 2021-2026.	1.8	16
54	Nitrosobenzeneâ€Enabled Chiral Phosphoric Acid Catalyzed Enantioselective Construction of Atropisomeric Nâ€Arylbenzimidazoles. Angewandte Chemie, 0, , .	2.0	9