

Hongyin Gao

List of Publications by Year in descending order

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26
papers

1,234
citations

516710

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25
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28
all docs

28
docs citations

28
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	Organocatalytic Aryl–Aryl Bond Formation: An Atroposelective [3,3]-Rearrangement Approach to BINAM Derivatives. <i>Journal of the American Chemical Society</i> , 2013, 135, 7414-7417.	13.7	238
2	Rapid Synthesis of Fused N–Heterocycles by Transition–Metal–Free Electrophilic Amination of Arene C–H Bonds. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2701-2705.	13.8	184
3	Practical Organocatalytic Synthesis of Functionalized Non–Symmetrical Atropisomeric Biaryls. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 566-571.	13.8	112
4	Transition-Metal-Free Direct Arylation: Synthesis of Halogenated 2-Amino-2-hydroxy-1,1-biaryls and Mechanism by DFT Calculations. <i>Journal of the American Chemical Society</i> , 2013, 135, 7086-7089.	13.7	100
5	Aerobic, Transition-Metal-Free, Direct, and Regiospecific Mono–arylation of Ketones: Synthesis and Mechanism by DFT Calculations. <i>Journal of the American Chemical Society</i> , 2013, 135, 14048-14051.	13.7	91
6	Rapid heteroatom transfer to arylmetals utilizing multifunctional reagent scaffolds. <i>Nature Chemistry</i> , 2017, 9, 681-688.	13.6	63
7	Non-Deprotonative Primary and Secondary Amination of (Hetero)Arylmetals. <i>Journal of the American Chemical Society</i> , 2017, 139, 115-118.	13.7	58
8	Copper-catalyzed carbene insertion into the sulfur–sulfur bond of benzenesulfonothioate. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1371-1374.	4.5	42
9	Enantiomeric separation of biaryl atropisomers using cyclofructan based chiral stationary phases. <i>Journal of Chromatography A</i> , 2014, 1357, 172-181.	3.7	38
10	Cascade Approach to Highly Functionalized Biaryls by a Nucleophilic Aromatic Substitution with Arylhydroxylamines. <i>Organic Letters</i> , 2019, 21, 2894-2898.	4.6	38
11	Copper-Catalyzed Tandem O–Vinylolation of Arylhydroxylamines/[3,3]-Rearrangement/Cyclization: Synthesis of Highly Substituted Indoles and Benzoindoles. <i>ACS Catalysis</i> , 2019, 9, 3906-3912.	11.2	36
12	Scalable, Transition–Metal–Free Direct Oxime O–Arylation: Rapid Access to O–Arylhydroxylamines and Substituted Benzo[b]furans. <i>Chemistry - A European Journal</i> , 2014, 20, 8883-8887.	3.3	33
13	Tandem approach to NOBIN analogues from arylhydroxylamines and diaryliodonium salts via [3,3]-sigmatropic rearrangement. <i>Chemical Communications</i> , 2020, 56, 8226-8229.	4.1	28
14	Transition-metal-free aerobic C=O bond formation via C=N bond cleavage. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1077-1081.	4.5	22
15	Transition metal-free direct dehydrogenative arylation of activated C(sp ³)–H bonds: synthetic ambit and DFT reactivity predictions. <i>Chemical Science</i> , 2018, 9, 7992-7999.	7.4	14
16	Cascade Chan–Lam C–O Coupling/[3,3]-Rearrangement of Arylhydroxylamines with Arylboronic Acids Toward NOBIN Analogues. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1733-1738.	4.3	11
17	Separation of 2-naphthol atropisomers on cyclofructan-based chiral stationary phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 710-717.	1.0	9
18	Expeditious and Efficient ortho–Selective Trifluoromethane–sulfonylation of Arylhydroxylamines. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115611.	13.8	9

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19	Palladium-Catalyzed Annulation of Aryltriazoles and Arylisoxazoles with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4386-4392.	4.3	4
20	Synthesis of non-C2 symmetrical NOBIN-type biaryls through a cascade N-arylation and [3,3]-sigmatropic rearrangement from O-arylhydroxylamines and diaryliodonium salts. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7246-7251.	2.8	4
21	Practical bromination of arylhydroxylamines with SOBr ₂ towards ortho-bromo-anilides. <i>Tetrahedron Letters</i> , 2021, 72, 153074.	1.4	4
22	Rapid Access to Fluorinated Anilides via DAST-Mediated Deoxyfluorination of Arylhydroxylamines. <i>Organic Letters</i> , 2021, 23, 9332-9336.	4.6	4
23	Cooperative Gold/Zinc-Catalyzed Cascade Approach to Tryptophan Derivatives from <i>N</i> -arylhydroxylamines and Alkynes. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	1
24	Transition-Metal-Free Cascade Approach for the Synthesis of Functionalized Biaryls by <i>S_NAr</i> of Arylhydroxylamines with Arylsulfonium Salts. <i>Journal of Organic Chemistry</i> , 2022, 87, 10449-10453.	3.2	1
25	Expeditious and Efficient <i>ortho</i> -Selective Trifluoromethane-sulfonylation of Arylhydroxylamines. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
26	[2, 3]-Sigmatropic Rearrangement of Aryl-hydroxylamines: Rapid Access to ortho-Sulfonylated Anilines. <i>Synlett</i> , 0, , .	1.8	0