

Bing Sun

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23
papers

480
citations

10
h-index

21
g-index

24
ext. papers

569
ext. citations

4
avg, IF

4.05
L-index

#	Paper	IF	Citations
23	Diverse ortho-C(sp)-H Functionalization of Benzaldehydes Using Transient Directing Groups. <i>Journal of the American Chemical Society</i> , 2017 , 139, 888-896	16.4	186
22	Assembly of Diverse Spirocyclic Pyrrolidines via Transient Directing Group Enabled Ortho-C(sp)-H Alkylation of Benzaldehydes. <i>Organic Letters</i> , 2018 , 20, 146-149	6.2	52
21	Advances in Development of C-H Activation/Functionalization Using a Catalytic Directing Group. <i>ChemistrySelect</i> , 2018 , 3, 5689-5708	1.8	34
20	NanoRu@hectorite: A heterogeneous catalyst with switchable selectivity for the hydrogenation of quinoline. <i>Applied Catalysis A: General</i> , 2013 , 467, 310-314	5.1	31
19	Synthesis of Polycyclic Aromatic Hydrocarbons (PAHs) via a Transient Directing Group. <i>Organic Letters</i> , 2018 , 20, 7620-7623	6.2	30
18	Palladium-Catalyzed Direct Ortho-C-H Selenylation of Benzaldehydes Using Benzidine as a Transient Directing Group. <i>Organic Letters</i> , 2019 , 21, 6914-6918	6.2	23
17	A Transition-Metal-Free One-Pot Cascade Process for Transformation of Primary Alcohols (RCH ₂ OH) to Nitriles (RCN) Mediated by SO ₂ F ₂ . <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 3190-3194 ¹⁷	3.2	3194
16	Facile one-pot synthesis of sulfonyl fluorides from sulfonates or sulfonic acids.. <i>RSC Advances</i> , 2019 , 9, 13863-13867	3.7	15
15	Monodentate Transient Directing Group Assisted Pd-Catalyzed Direct Dehydrogenative Cross-Coupling of Benzaldehydes with Arenes toward 9-Fluorenones. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13104-13111	4.2	14
14	Selective N-cycle hydrogenation of quinolines with sodium borohydride in aqueous media catalyzed by hectorite-supported ruthenium nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2016 , 821, 197-205 ^{2,3}	2.3	14
13	Cascade reaction for the synthesis of polycyclic aromatic hydrocarbons via transient directing group strategy. <i>Tetrahedron</i> , 2019 , 75, 4031-4041	2.4	9
12	Palladium-catalyzed ortho-C(sp ²) H bromination of benzaldehydes via a monodentate transient directing group strategy. <i>Tetrahedron Letters</i> , 2019 , 60, 151263	2	9
11	Ruthenium-catalyzed hydrogenation of aromatic amino acids in aqueous solution. <i>Journal of Organometallic Chemistry</i> , 2016 , 812, 81-86	2.3	8
10	Synthetic routes and structure-activity relationships (SAR) of anti-HIV agents: A key review. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111566	6.8	8
9	Direct stereoselective construction of cyclopropane amino acid with contiguous quaternary centers via [4 + 2] annulation reaction. <i>RSC Advances</i> , 2017 , 7, 38077-38080	3.7	6
8	DBU-Promoted Intramolecular Crossed Aldol Reaction: A Facile Access to Indane-Fused Pyrrolidine. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 852-856	3.2	6
7	Synthesis of dihydrobenzoxazine pyrrolidone spirocyclic compounds. <i>Tetrahedron Letters</i> , 2018 , 59, 3554-3557 ⁴	4	4

6	SOF mediated cascade dehydrogenative Morita-Baylis-Hillman reaction of the C(sp)-H of primary alcohols with the C(sp)-H of electron-deficient olefins for the assembly of allylic alcohols.. <i>RSC Advances</i> , 2019 , 9, 29784-29787	3-7	4
5	Ruthenium Nanoparticles Intercalated in Montmorillonite (nano-Ru@MMT) Is Highly Efficient Catalyst for the Selective Hydrogenation of 2-Furaldehyde in Benign Aqueous Medium. <i>Catalysts</i> , 2021 , 11, 66	4	4
4	Metal Catalysts Intercalated in Smectite Clays 2017 , 387-441		3
3	One-pot synthesis of benzofluorene fused aromatic hydrocarbons. <i>Tetrahedron Letters</i> , 2019 , 60, 15129-15132		2
2	A three-step sequence strategy for facile construction of donor-acceptor type molecules: triphenylamine-substituted acenes. <i>Canadian Journal of Chemistry</i> , 2020 , 98, 40-48	0-9	1
1	Visible-light-mediated metal-free decarboxylative acylation of electron-deficient quinolines using β -ketoacids under ambient air. <i>Tetrahedron</i> , 2022 , 132749	2-4	