

Roly J Armstrong

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,188
citations

471509

17
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic enantioselective synthesis of atropisomeric biaryls by a cation-directed O-alkylation. <i>Nature Chemistry</i> , 2017, 9, 558-562.	13.6	200
2	50 Years of Zweifel Olefination: A Transition-Metal-Free Coupling. <i>Synthesis</i> , 2017, 49, 3323-3336.	2.3	156
3	Catalytic Enantioselective Synthesis of Atropisomeric Biaryls: A Cation-Directed Nucleophilic Aromatic Substitution Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12822-12826.	13.8	130
4	Synthesis of Functionalized Alkenes by a Transition-Metal-Free Zweifel Coupling. <i>Organic Letters</i> , 2017, 19, 2762-2765.	4.6	77
5	Control of Absolute Stereochemistry in Transition-Metal-Catalysed Hydrogen-Borrowing Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 12912-12926.	3.3	76
6	Stereodivergent Olefination of Enantioenriched Boronic Esters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 786-790.	13.8	68
7	Stereoselective Synthesis of Cyclohexanes via an Iridium Catalyzed (5 + 1) Annulation Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 11916-11920.	13.7	66
8	Catalytic Enantioselective Synthesis of Atropisomeric Biaryls: A Cation-Directed Nucleophilic Aromatic Substitution Reaction. <i>Angewandte Chemie</i> , 2014, 126, 13036-13040.	2.0	57
9	Conjunctive functionalization of vinyl boronate complexes with electrophiles: a diastereoselective three-component coupling. <i>Chemical Communications</i> , 2017, 53, 4922-4925.	4.1	55
10	Catalytic Asymmetric Synthesis of Cyclohexanes by Hydrogen Borrowing Annulations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12558-12562.	13.8	54
11	Enantioconvergent alkylation of ketones with racemic secondary alcohols <i>via</i> hydrogen borrowing catalysis. <i>Chemical Communications</i> , 2020, 56, 3543-3546.	4.1	37
12	Enantiodivergent Synthesis of Allenes by Point-to-Axial Chirality Transfer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8203-8208.	13.8	36
13	Stereodivergent Olefination of Enantioenriched Boronic Esters. <i>Angewandte Chemie</i> , 2017, 129, 804-808.	2.0	31
14	Chemo- and Regioselective Synthesis of Acyl-Cyclohexenes by a Tandem Acceptorless Dehydrogenation-[1,5]-Hydride Shift Cascade. <i>Journal of the American Chemical Society</i> , 2020, 142, 2514-2523.	13.7	30
15	A hydrogen borrowing annulation strategy for the stereocontrolled synthesis of saturated aza-heterocycles. <i>Chemical Communications</i> , 2020, 56, 3563-3566.	4.1	29
16	Catalytic Asymmetric Synthesis of Cyclohexanes by Hydrogen Borrowing Annulations. <i>Angewandte Chemie</i> , 2019, 131, 12688-12692.	2.0	26
17	Stereoselective synthesis of alicyclic ketones: A hydrogen borrowing approach. <i>Tetrahedron</i> , 2019, 75, 130680.	1.9	20
18	Enantiodivergent Synthesis of Allenes by Point-to-Axial Chirality Transfer. <i>Angewandte Chemie</i> , 2018, 130, 8335-8340.	2.0	13

#	ARTICLE	IF	CITATIONS
19	Synthesis of Allenes by 1,2-Elimination. <i>Current Organic Chemistry</i> , 2020, 23, 3027-3039.	1.6	10
20	Pentamethylphenyl (Ph*) ketones: Unique building blocks for organic synthesis. <i>Tetrahedron Letters</i> , 2021, 74, 153151.	1.4	8
21	Cation-Directed Enantioselective N-Functionalization of Pyrroles. <i>Synlett</i> , 2015, 27, 6-10.	1.8	6
22	Furanyl cyclic amines: a diastereoselective synthesis of 2,6-syn-disubstituted piperidines under thermodynamic control. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2392.	2.8	3
23	Frontispiece: Control of Absolute Stereochemistry in Transition-Metal-Catalysed Hydrogen-Borrowing Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0