

ClÃ©ment Mazet

List of Publications by Year in descending order

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59
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3,366
citations

126907

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81
docs citations

81
times ranked

2195
citing authors

#	ARTICLE	IF	CITATIONS
1	Well-defined transition metal hydrides in catalytic isomerizations. <i>Chemical Communications</i> , 2014, 50, 9816.	4.1	272
2	Scope and Mechanism in Palladium-Catalyzed Isomerizations of Highly Substituted Allylic, Homoallylic, and Alkenyl Alcohols. <i>Journal of the American Chemical Society</i> , 2014, 136, 16882-16894.	13.7	182
3	Palladium-Catalyzed Long-Range Deconjugative Isomerization of Highly Substituted $\hat{1},\hat{2}$ -Unsaturated Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2016, 138, 10344-10350.	13.7	169
4	Iridium-Catalyzed Asymmetric Isomerization of Primary Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5143-5147.	13.8	139
5	Transition metal-catalyzed alkene isomerization as an enabling technology in tandem, sequential and domino processes. <i>Chemical Society Reviews</i> , 2021, 50, 1391-1406.	38.1	121
6	Access to High Levels of Molecular Complexity by One-Pot Iridium/Enamine Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2354-2358.	13.8	116
7	Platinum Metals in the Catalytic Asymmetric Isomerization of Allylic Alcohols. <i>Chemistry Letters</i> , 2011, 40, 341-344.	1.3	98
8	Recent trends in Pd-catalyzed remote functionalization of carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 233-241.	2.8	96
9	Iridium-Catalyzed Selective Isomerization of Primary Allylic Alcohols. <i>Accounts of Chemical Research</i> , 2016, 49, 1232-1241.	15.6	94
10	Chiral Boron-Bridged Bisoxazolines: Readily Available Anionic Ligands for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4888-4891.	13.8	89
11	A Combined Experimental and Computational Study of Dihydrido(phosphinooxazoline)iridium Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14176-14181.	13.7	85
12	Highly regio- and enantioselective catalytic asymmetric hydroboration of $\hat{1},\hat{2}$ -substituted styrenyl derivatives. <i>Chemical Communications</i> , 2011, 47, 298-300.	4.1	84
13	Multicatalytic Stereoselective Synthesis of Highly Substituted Alkenes by Sequential Isomerization/Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 4743-4750.	13.7	84
14	Iridium-catalyzed isomerization of primary allylic alcohols under mild reaction conditions. <i>Tetrahedron Letters</i> , 2009, 50, 4141-4144.	1.4	79
15	Isomerization of Terminal Epoxides by a $[Pd^{\eta^5-H}]$ Catalyst: A Combined Experimental and Theoretical Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2013, 135, 6177-6183.	13.7	79
16	Palladium-Catalyzed Enantioselective Intermolecular Carboetherification of Dihydrofurans. <i>Journal of the American Chemical Society</i> , 2016, 138, 4014-4017.	13.7	79
17	Kinetic Resolution of Diols and Pyridyl Alcohols by Cu(II)(borabox)-Catalyzed Acylation. <i>Organic Letters</i> , 2006, 8, 1879-1882.	4.6	76
18	Improved Catalysts for the Iridium-Catalyzed Asymmetric Isomerization of Primary Allylic Alcohols Based on Charton Analysis. <i>Chemistry - A European Journal</i> , 2010, 16, 12736-12745.	3.3	74

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19	Atropoisomeric (P,N)-Ligands for the Highly Enantioselective Pd-Catalyzed Intramolecular Asymmetric α -Arylation of α,β -Branched Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3826-3831.	13.8	74
20	Ni-Catalyzed Enantioselective Intermolecular Hydroamination of Branched 1,3-Dienes Using Primary Aliphatic Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 14814-14822.	13.7	71
21	Expanded scope for the iridium-catalyzed asymmetric isomerization of primary allylic alcohols using readily accessible second-generation catalysts. <i>Chemical Communications</i> , 2010, 46, 445-447.	4.1	70
22	Copper-Catalyzed Asymmetric α,β -Borylation of α,β -Unsaturated Carbonyl Derivatives. <i>ChemCatChem</i> , 2010, 2, 501-504.	3.7	67
23	Direct Access to Chiral Secondary Amides by Copper-Catalyzed Borylative Carboxamidation of Vinylarenes with Isocyanates. <i>Journal of the American Chemical Society</i> , 2020, 142, 623-632.	13.7	63
24	Catalyst-Directed Diastereoselective Isomerization of Allylic Alcohols for the Stereoselective Construction of C(20) in Steroid Side Chains: Scope and Topological Diversification. <i>Journal of the American Chemical Society</i> , 2015, 137, 10720-10727.	13.7	62
25	Ni-Catalyzed Regiodivergent and Stereoselective Hydroalkylation of Acyclic Branched Dienes with Unstabilized C(sp ³) Nucleophiles. <i>Journal of the American Chemical Society</i> , 2020, 142, 16486-16492.	13.7	62
26	Copper-catalyzed enantioselective 1,2-borylation of 1,3-dienes. <i>Chemical Science</i> , 2018, 9, 5284-5288.	7.4	59
27	A General Nickel-Catalyzed Kumada Vinylation for the Preparation of 2-Substituted 1,3-Dienes. <i>ACS Catalysis</i> , 2018, 8, 1392-1398.	11.2	57
28	Remote Functionalization of α,β -Unsaturated Carbonyls by Multimetallic Sequential Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 16983-16990.	13.7	56
29	Ir-Catalyzed Selective Hydroboration of 2-Substituted 1,3-Dienes: A General Method to Access Homoallylic Boronates. <i>ACS Catalysis</i> , 2018, 8, 9382-9387.	11.2	50
30	Steric Parameters in the Ir-Catalyzed Regio- and Diastereoselective Isomerization of Primary Allylic Alcohols. <i>Organic Letters</i> , 2013, 15, 6170-6173.	4.6	48
31	Direct Access to Furoindolines by Palladium-Catalyzed Intermolecular Carboamination. <i>ACS Catalysis</i> , 2016, 6, 7183-7187.	11.2	37
32	Challenges and Achievements in the Transition-Metal-Catalyzed Asymmetric α -Arylation of Aldehydes. <i>Synlett</i> , 2012, 23, 1999-2004.	1.8	35
33	Access to enantioenriched 2,3- and 2,5-dihydrofurans with a fully substituted C2 stereocenter by Pd-catalyzed asymmetric intermolecular Heck reaction. <i>Chemical Science</i> , 2015, 6, 4807-4811.	7.4	32
34	Access to congested quaternary centers by Pd-catalyzed intermolecular β -arylation of unactivated α,β -unsaturated aldehydes. <i>Chemical Science</i> , 2013, 4, 2619.	7.4	29
35	An air-stable cationic iridium hydride as a highly active and general catalyst for the isomerization of terminal epoxides. <i>Chemical Communications</i> , 2014, 50, 10592-10595.	4.1	29
36	Structure-Activity Relationship in the Iridium-Catalyzed Isomerization of Primary Allylic Alcohols. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3320-3330.	2.0	26

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37	Kinetically Controlled Stereoselective Access to Branched 1,3-Dienes by Ru-Catalyzed Remote Conjugative Isomerization. <i>ACS Catalysis</i> , 2021, 11, 7970-7977.	11.2	25
38	Ni-Catalyzed Regioselective Hydroalkoxylation of Branched 1,3-Dienes. <i>Organic Letters</i> , 2019, 21, 9124-9127.	4.6	24
39	Mechanistic Investigation of the Pd-Catalyzed Intermolecular Carboetherification and Carboamination of 2,3-Dihydrofuran: Similarities, Differences, and Evidence for Unusual Reaction Intermediates. <i>Organometallics</i> , 2017, 36, 3553-3563.	2.3	22
40	Bioinspired Ether Cyclizations within a Hydrophobic Capsule Compared to Autocatalysis on Hydrophobic Surfaces and Pnictogen-Bonding Catalysts. <i>Chemistry - A European Journal</i> , 2021, 27, 12215-12223.	3.3	22
41	Highly enantioselective isomerization of primary allylic alcohols catalyzed by (P,N)-iridium complexes. <i>Pure and Applied Chemistry</i> , 2010, 82, 1461-1469.	1.9	18
42	Influence of the dissolution solvent on the cytotoxicity of octahedral cationic Ir(III) hydride complexes. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 15-18.	1.8	16
43	Highly Modular C ₁ -Symmetric Chiral (P,N) Ligands with a Stereolabile Pd-Center: Experimental and Theoretical Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 745-751.	3.3	14
44	Exploring Site Selectivity of Iridium Hydride Insertion into Allylic Alcohols: Serendipitous Discovery and Comparative Study of Organic and Organometallic Catalysts for the Vinylogous Peterson Elimination. <i>ACS Catalysis</i> , 2017, 7, 1554-1562.	11.2	14
45	Iridium-Catalyzed Isomerization of Primary Allylic Alcohols. <i>Chimia</i> , 2009, 63, 35.	0.6	13
46	A general Pd-catalyzed α - and β -benzylation of aldehydes for the formation of quaternary centers. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6338-6343.	2.8	13
47	Access to Optically Active 7-Membered Rings by a 2-Step Synthetic Sequence: Cu-Catalyzed Stereoselective Cyclopropanation of Branched 1,3-Dienes/Rh-Catalyzed Stereoconvergent [5 + 2] Cycloaddition. <i>ACS Catalysis</i> , 2020, 10, 9604-9611.	11.2	13
48	A Catalytic Dual Isomerization/Allylboration Sequence for the Stereoselective Construction of Congested Secondary Homoallylic Alcohols. <i>Journal of Organic Chemistry</i> , 2020, 85, 5638-5650.	3.2	13
49	α -Arylation, α -Arylative Esterification, or Acylation: A Stoichiometry-Dependent Trichotomy in the Pd-Catalyzed Cross-Coupling between Aldehydes and Aryl Bromides. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2579-2583.	3.3	12
50	Chiral monodentate phosphine ligands for the enantioselective α - and β -arylation of aldehydes. <i>Tetrahedron</i> , 2014, 70, 4181-4190.	1.9	8
51	[Dendralenes as a Platform for Selective Catalysis: Ligand-Controlled Cu-Catalyzed Chemo-, Regio-, and Enantioselective Borylations. <i>Organic Letters</i> , 2020, 22, 8181-8187.	4.6	8
52	New Catalytic Asymmetric Strategies to Access Chiral Aldehydes. <i>Chimia</i> , 2011, 65, 802.	0.6	7
53	Transition metal-catalyzed (remote) deconjugative isomerization of α,β -unsaturated carbonyls. <i>Tetrahedron Letters</i> , 2022, 96, 153756.	1.4	6
54	Complementary Catalytic Strategies to Access α -Chiral Aldehydes. <i>Chimia</i> , 2013, 67, 658-662.	0.6	5

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55	Stereoselective Access to Conjugated and Cross-Conjugated Dienoates by Rh- and Ru-Catalyzed Isomerizations of Vinylcyclopropanes. <i>Organic Letters</i> , 2022, 24, 752-756.	4.6	5
56	The diastereoselective synthesis of octahedral cationic iridium hydride complexes with a stereogenic metal centre. <i>Chemical Communications</i> , 2016, 52, 10629-10631.	4.1	4
57	Access to Highly Stereodefined 1,4- <i>cis</i> -Polydienes by a [Ni/Mg] Orthogonal Tandem Catalytic Polymerization. <i>Journal of the American Chemical Society</i> , 2021, 143, 13401-13407.	13.7	4
58	Nickel-Catalyzed Kumada Vinylation of Enol Phosphates: A Comparative Mechanistic Study. <i>ACS Catalysis</i> , 2021, 11, 15041-15050.	11.2	4
59	Teflon Magnetic Stirring Capsules (TMSC) as a Practical and Reusable Delivery System for Sensitive Reagents and Catalysts. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100110.	1.6	2