GÃ¼nter Helmchen

List of Publications by Year
in descending order

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66	7,071	76326	85541
papers	citations	40 h-index	71 g-index

88	88	88	3746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iridium-Catalyzed Asymmetric Allylic Substitution Reactions. Chemical Reviews, 2019, 119, 1855-1969.	47.7	547
2	Applications of Iridium-Catalyzed Asymmetric Allylic Substitution Reactions in Target-Oriented Synthesis. Accounts of Chemical Research, 2017, 50, 2539-2555.	15.6	263
3	Iridiumâ€Catalyzed Asymmetric AllylÂic Substitutions with Bulky ÂAmines/Oxidative Double Bond Cleavage â€“ Entry into the Reetz Synthesis of Amino Alcohols. European Journal of Organic Chemistry, 2016, 2016, 493-501.	2.4	9
4	50 Jahre Spezifikation der molekularen ChiralitÃt durch Cahn, Ingold und Prelog. Angewandte Chemie, 2016, 128, 6910-6911.	2.0	1
5	The 50th Anniversary of the Cahnâ€“Ingoldâ€“Prelog Specification of Molecular Chirality. Angewandte Chemie - International Edition, 2016, 55, 6798-6799.	13.8	12
6	Immobilized Catalysts for Iridiumâ€Catalyzed Allylic Amination: Rate Enhancement by Immobilization. Chemistry - A European Journal, 2015, 21, 7127-7134.	3.3	13
7	Enantioselective Syntheses of Bicyclic Lactams Based on Iridiumâ€Catalyzed Asymmetric Allylic Substitution and Heck Cyclization. European Journal of Organic Chemistry, 2014, 2014, 2242-2252.	2.4	13
8	Enantio- and Regioselective Iridium-Catalyzed Allylic Esterification. Journal of the American Chemical Society, 2014, 136, 1272-1275.	13.7	56
9	Enantioâ€•and Diastereoselective Syntheses of 3â€Hydroxypiperidines through Iridiumâ€Catalyzed Allylic Substitution. European Journal of Organic Chemistry, 2013, 2013, 5149-5159.	2.4	17
10	Addition of Organometallic Reagents to Chiral Nâ€Methoxylactams: Enantioselective Syntheses of Pyrrolidines and Piperidines. Chemistry - A European Journal, 2013, 19, 16746-16755.	3.3	73
11	Synthesis and Biological Properties of Novel Brefeldin A Analogues. Journal of Medicinal Chemistry, 2013, 56, 5872-5884.	6.4	26
12	Syntheses of the Hexahydroindene Cores of Indanomycin and Stawamycin by Combinations of Iridiumâ€Catalyzed Asymmetric Allylic Alkylations and Intramolecular Dielsâ€“Alder Reactions. Chemistry - A European Journal, 2013, 19, 400-405.	3.3	12
13	Iridiumâ€Catalyzed Allylic Substitutions with Cyclometalated Phosphoramidite Complexes Bearing a Dibenzocyclooctatetraene Ligand: Preparation of (Ïâ€Allyl)Ir Complexes and Computational and NMR Spectroscopic Studies. Chemistry - A European Journal, 2012, 18, 14314-14328.	3.3	34
14	Enantioselective Syntheses of the Alkaloids cis-195A (Pumiliotoxin C) and trans-195A Based on Multiple Applications of Asymmetric Catalysis. Journal of Organic Chemistry, 2012, 77, 1186-1190.	3.2	28
15	Enantioselective Total Synthesis and Absolute Configuration of Apiosporic Acid. Journal of Organic Chemistry, 2012, 77, 4491-4495.	3.2	12
16	Iridium-Catalyzed Allylic Vinylation and Asymmetric Allylic Amination Reactions with o-Aminostyrenes. Journal of the American Chemical Society, 2011, 133, 19006-19014.	13.7	178
17	Enantioselective Iridium-Catalyzed Allylic Substitutions with Hydroxamic Acid Derivatives as N-Nucleophiles. Organic Letters, 2011, 13, 2810-2813.	4.6	39
18	Enantio- and Regioselective Iridium-Catalyzed Allylic Hydroxylation. Journal of the American Chemical Society, 2011, 133, 2072-2075.	13.7	107

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19	Bicyclic Cyclopentenones via the Combination of an Iridiumâ€•Catalyzed Allylic Substitution with a Diastereoselective Intramolecular Pausonâ€“Khand Reaction. Advanced Synthesis and Catalysis, 2011, 353, 349-370.	4.3	33
20	Syntheses and Biological Properties of Brefeldin Analogues. European Journal of Organic Chemistry, 2011, 2011, 878-891.	2.4	22
21	Enantioselective Syntheses of Tetrahydroquinolines Based on Iridiumâ€Catalyzed Allylic Substitutions: Total Syntheses of (+)â€Angustureine and (â€“)â€Cuspareine. European Journal of Organic Chemistry, 2011, 2011, 6877-6886.	2.4	35
22	Enantioselective Syntheses of 2,5â€Disubstituted Pyrrolidines Based on Iridiumâ€Catalyzed Allylic Aminationsâ€”Total Syntheses of Alkaloids from Amphibian Skins. Chemistry - A European Journal, 2011, 17, 7605-7622.	3.3	61
23	Differential effects of the brefeldin A analogue (6R)-hydroxy-BFA in tobacco and Arabidopsis. Journal of Experimental Botany, 2011, 62, 2949-2957.	4.8	55
24	Stereoselective Synthesis of Î²â€Proline Derivatives from Allylamines via Domino Hydroformylation/Wittig Olefination and Azaâ€Michael Addition. Advanced Synthesis and Catalysis, 2010, 352, 1023-1032.	4.3	26
25	Irâ€Catalysed Asymmetric Allylic Substitutions with Cyclometalated (Phosphoramidite)Ir Complexesâ€”Resting States, Catalytically Active (Ïâ€Allyl)Ir Complexes and Computational Exploration. Chemistry - A European Journal, 2010, 16, 6601-6615.	3.3	82
26	Enantioselective Modular Synthesis of Cyclohexenones: Total Syntheses of (+)-Crypto- and (+)-Infectocaryone. Organic Letters, 2010, 12, 3886-3889.	4.6	35
27	Platinum(II) Chloride-Catalyzed Stereoselective Domino Enyne Isomerization/Dielsâ€™Alder Reaction. Journal of Organic Chemistry, 2010, 75, 7917-7919.	3.2	20
28	Enantioselective Total Synthesis of (â€™)-Î±-Kainic Acid. Organic Letters, 2010, 12, 1108-1111.	4.6	92
29	Enantioselective Syntheses of 2-Substituted Pyrrolidines from Allylamines by Domino Hydroformylation-Condensation: Short Syntheses of (S)-Nicotine and the Alkaloid 225C. Synlett, 2009, 2009, 1413-1416.	1.8	12
30	Stereoselective Synthesis of 2,6â€Disubstituted Piperidines Using the Iridiumâ€Catalyzed Allylic Cyclization as Configurational Switch: Asymmetric Total Synthesis of (+)â€241â€‰D and Related Piperidine Alkaloids. Chemistry - A European Journal, 2009, 15, 2050-2054.	3.3	62
31	A Configurational Switch Based on Iridiumâ€Catalyzed Allylic Cyclization: Application in Asymmetric Total Syntheses of Prosopis, Dendrobate, and Spruce Alkaloids. Chemistry - A European Journal, 2009, 15, 10514-10532.	3.3	58
32	Goldâ€Catalyzed Intermolecular Addition of Carbonyl Compounds to 1,6â€Enynes: Reactivity, Scope, and Mechanistic Aspects. Chemistry - A European Journal, 2009, 15, 10888-10900.	3.3	53
33	Irâ€Catalyzed Asymmetric Allylic Substitutions with (Phosphoramidite)Ir Complexesâ€”Resting States, Synthesis, and Characterization of Catalytically Active (Ïâ€Allyl)Ir Complexes. Chemistry - A European Journal, 2009, 15, 11087-11090.	3.3	74
34	Preparation of 2,4â€Disubstituted Cyclopentenones by Enantioselective Iridiumâ€Catalyzed Allylic Alkylation: Synthesis of 2â€²â€Methylcarbovir and TEIâ€9826. Chemistry - A European Journal, 2008, 14, 6722-6733.	3.3	50
35	Stereoselective Synthesis of a cisâ€1,2â€Dialkylcyclopentane Building Block and Its Application in Isoprostane Synthesis (5â€entâ€F_{2c}â€IsoP). European Journal of Organic Chemistry, 2008, 2008, 2551-2563.	2.4	9
36	Iridiumâ€Catalyzed Asymmetric Allylic Substitutionsâ€”Very High Regioselectivity and Air Stability with a Catalyst Derived from Dibenzo[a,e]cyclooctatetraene and a Phosphoramidite. Angewandte Chemie - International Edition, 2008, 47, 7652-7655.	13.8	122

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37	Andreas Pfaltz: on the Occasion of his 60th Birthday. Advanced Synthesis and Catalysis, 2008, 350, 951-952.	4.3	0
38	Malononitrile as Acylanion Equivalent. Synlett, 2008, 2008, 2803-2806.	1.8	30
39	Stereoselective Synthesis of a Lactam Analogue of Brefeldin C. Synlett, 2008, 2008, 831-836.	1.8	6
40	Enantioselective Iridium-Catalyzed Allylic Aminations of Allylic Carbonates with Functionalized Side Chains. Asymmetric Total Synthesis of (S)-Vigabatrin. Synthesis, 2008, 2008, 3331-3350.	2.3	12
41	Enantioselective Iridium-Catalyzed Allylic Alkylations - Improvements and Applications Based on Salt-Free Reaction Conditions. Synlett, 2007, 2007, 0790-0794.	1.8	12
42	Synthesis of Î±,Î²-unsaturated Î³-lactams via asymmetric iridium-catalysed allylic substitution. Organic and Biomolecular Chemistry, 2007, 5, 2357-2360.	2.8	46
43	Iridium-catalysed asymmetricallylic substitutions. Chemical Communications, 2007, , 675-691.	4.1	476
44	Gold-Catalyzed Intermolecular Addition of Carbonyl Compounds to 1,6-Enynes. Angewandte Chemie - International Edition, 2007, 46, 5598-5601.	13.8	106
45	Enantioselective Modular Synthesis of 2,4-Disubstituted Cyclopentenones by Iridium-Catalyzed Allylic Alkylation. Angewandte Chemie - International Edition, 2006, 45, 2466-2469.	13.8	69
46	Salt-Free Iridium-Catalyzed Asymmetric Allylic Aminations withN,N-Diacylamines andortho-Nosylamide as Ammonia Equivalents. Angewandte Chemie - International Edition, 2006, 45, 5546-5549.	13.8	154
47	Iridium-Catalyzed Enantioselective Allylic Substitutions with Aliphatic Nitro Compounds as Prenucleophiles. Synlett, 2006, 2006, 0697-0700.	1.8	5
48	Carbocycles via enantioselective inter- and intramolecular iridium-catalysed allylic alkylations. Chemical Communications, 2005, , 2957.	4.1	69
49	Highly enantioselective iridium-catalysed allylic aminations with anionic N-nucleophiles. Chemical Communications, 2005, , 3541.	4.1	79
50	Enantioselective synthesis of (+)(R)- and (â€“)(S)-nicotine based on Ir-catalysed allylic amination. Organic and Biomolecular Chemistry, 2005, 3, 3266.	2.8	73
51	Highly Enantioselective Syntheses of Heterocycles via Intramolecular Ir-Catalyzed Allylic Amination and Etherification. Organic Letters, 2005, 7, 1239-1242.	4.6	160
52	Regio- and Enantioselective Iridium-Catalyzed Allylic Alkylation with In Situ Activated P,C-Chelate Complexes. Angewandte Chemie - International Edition, 2004, 43, 4595-4597.	13.8	144
53	First intramolecular enantioselective iridium-catalysed allylic aminations. Chemical Communications, 2004, , 896.	4.1	103
54	Regio- and enantioselective iridium-catalysed allylic aminations and alkylations of dienyl esters. Chemical Communications, 2004, , 116.	4.1	95

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55	Asymmetric Iridium(I)-Catalyzed Allylic Alkylation of Monosubstituted Allylic Substrates with Phosphinooxazolines as Ligands. Isolation, Characterization, and Reactivity of Chiral (Allyl)iridium(III) Complexes. Organometallics, 2004, 23, 5459-5470.	2.3	71
56	Asymmetric IrI-Catalysed Allylic Alkylation Of Monosubstituted Allylic Acetates With Phosphorus Amidites As Ligands. European Journal of Organic Chemistry, 2003, 2003, 1097-1103.	2.4	93
57	Ein neuer Syntheseweg zu enantiomerenreinen Jasmonoiden. Angewandte Chemie, 2002, 114, 4231-4234.	2.0	7
58	A New Synthesis Route to Enantiomerically Pure Jasmonoids. Angewandte Chemie - International Edition, 2002, 41, 4054-4056.	13.8	38
59	Iridium-Catalysed Allylic Substitution: Stereochemical Aspects and Isolation of IrIII Complexes Related to the Catalytic Cycle. European Journal of Inorganic Chemistry, 2002, 2002, 2569-2586.	2.0	140
60	PhosphinooxazolinesA New Class of Versatile, Modular P,N-Ligands for Asymmetric Catalysis. Accounts of Chemical Research, 2000, 33, 336-345.	15.6	1,256
61	Ir-catalysed allylic substitution: mechanistic aspects and asymmetric synthesis with phosphorus amidites as ligands. Chemical Communications, 1999, , 741-742.	4.1	189
62	First Enantioselective Alkylations of Monosubstituted Allylic Acetates Catalyzed by Chiral Iridium Complexes. Tetrahedron Letters, 1997, 38, 8025-8026.	1.4	264
63	Building Blocks for the Synthesis of Enantiomerically Pure Jasmonoids: Synthesis of(+)-Methyl Epijasmonate. Angewandte Chemie International Edition in English, 1990, 29, 1024-1025.	4.4	34
64	Asymmetric Diels-Alder reactions: EPC-synthesis of a stable sarkomycin precursor (cyclosarkomycin). Tetrahedron Letters, 1989, 30, 5599-5602.	1.4	45
65	Diastereoface-discriminative metal coordination in asymmetric synthesis: D-pantolactone as practical chiral auxiliary for Lewis acid catalyzed Diels-Alder reactions. Tetrahedron Letters, 1985, 26, 3095-3098.	1.4	144
66	Basic Principles of the CIP-System and Proposals for a Revision. Angewandte Chemie International Edition in English, 1982, 21, 567-583.	4.4	555