

David Guijarro

List of Publications by Year in descending order

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67
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201674

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#	ARTICLE	IF	CITATIONS
1	(1 <i>S</i> ,3 <i>R</i> ,4 <i>R</i>)-2-Azanorbornylmethanol, an Efficient Ligand for Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation of Ketones. <i>Journal of Organic Chemistry</i> , 1998, 63, 2749-2751.	3.2	135
2	Preparation and Use of Aziridino Alcohols as Promoters for the Enantioselective Addition of Dialkylzinc Reagents to <i>N</i> -(Diphenylphosphinoyl) Imines. <i>Journal of Organic Chemistry</i> , 1997, 62, 7364-7375.	3.2	101
3	Enantioselective Addition of Dialkylzinc Reagents to <i>N</i> -(Diphenylphosphinoyl) Imines Promoted by 2-Azanorbornylmethanols. <i>Journal of Organic Chemistry</i> , 1998, 63, 2530-2535.	3.2	90
4	Microwave-Assisted Solvent-Free Synthesis of Enantiomerically Pure <i>N</i> -(<i>tert</i> -Butylsulfinyl)imines. <i>Journal of Organic Chemistry</i> , 2012, 77, 5744-5750.	3.2	77
5	Naphthalene-catalysed lithiation of phenone imines in the presence of carbonyl compounds: preparation of 1,2-aminoalcohols. <i>Tetrahedron</i> , 1993, 49, 7761-7768.	1.9	67
6	Naphthalene-catalysed lithiation of allylic and benzylic mesylates: a new method for allyl, methallyl, and benzyl lithium. <i>Tetrahedron</i> , 1992, 48, 4593-4600.	1.9	65
7	Ruthenium-catalysed asymmetric transfer hydrogenation of <i>N</i> -(<i>tert</i> -butanesulfinyl)imines. <i>Tetrahedron Letters</i> , 2009, 50, 5386-5388.	1.4	56
8	Asymmetric Synthesis of Chiral Primary Amines by Transfer Hydrogenation of <i>N</i> -(<i>tert</i> -Butanesulfinyl)ketimines. <i>Journal of Organic Chemistry</i> , 2010, 75, 5265-5270.	3.2	54
9	Synthesis of highly enantiomerically enriched amines by the diastereoselective addition of triorganozincates to <i>N</i> -(<i>tert</i> -butanesulfinyl)imines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2484-2491.	1.8	53
10	A Versatile Ru Catalyst for the Asymmetric Transfer Hydrogenation of Both Aromatic and Aliphatic Sulfinylimines. <i>Chemistry - A European Journal</i> , 2012, 18, 1969-1983.	3.3	53
11	Naphthalene-catalysed lithiation of dialkyl sulfates: A new route for organolithium reagents. <i>Tetrahedron Letters</i> , 1992, 33, 5597-5600.	1.4	52
12	DTBB-Catalysed dilithiation of styrene and its methyl-derivatives: introduction of two electrophilic reagents. <i>Tetrahedron</i> , 2001, 57, 10119-10124.	1.9	49
13	The Favorskii Rearrangement: Synthetic Applications. <i>Current Organic Chemistry</i> , 2005, 9, 1713-1735.	1.6	48
14	Organolithium reagents by reductive decyanation of nitriles with lithium and a catalytic amount of 4,4'-Di- <i>tert</i> -butyl-biphenyl in a Barbier-Type reaction. <i>Tetrahedron</i> , 1994, 50, 3447-3452.	1.9	47
15	Cross-dehydrogenative coupling involving benzylic and allylic C-H bonds. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1717-1742.	4.5	47
16	C,O-Dilithiated Diarylmethanols: Easy and Improved Preparation by Naphthalene-Catalysed Lithiation of Diaryl Ketones and Reactivity Toward Electrophiles. <i>Tetrahedron</i> , 1993, 49, 1327-1334.	1.9	41
17	Aziridino alcohols as catalysts for the enantioselective addition of diethylzinc to aldehydes. <i>Tetrahedron</i> , 1998, 54, 14213-14232.	1.9	41
18	Triorganozincates as efficient nucleophiles for the diastereoselective addition to <i>N</i> -(<i>tert</i> -butanesulfinyl)imines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 603-606.	1.8	41

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19	Direct transformation of trialkyl phosphates into organolithium compounds by a DTBB-catalysed lithiation. <i>Tetrahedron</i> , 1994, 50, 8551-8558.	1.9	40
20	Synthesis of Nitrogenated Heterocycles by Asymmetric Transfer Hydrogenation of N-(tert-Butylsulfinyl)haloimines. <i>Journal of Organic Chemistry</i> , 2013, 78, 9181-9189.	3.2	40
21	Synthesis of $\hat{\gamma}^3$ -, $\hat{\gamma}^2$ -, and $\hat{\gamma}^1$ -Lactams by Asymmetric Transfer Hydrogenation of α -N-(tert-Butylsulfinyl)iminoesters. <i>Journal of Organic Chemistry</i> , 2013, 78, 3647-3654.	3.2	40
22	Simple Aziridino Alcohols as Chiral Ligands. Enantioselective Additions of Diethylzinc to N-Diphenylphosphinoylimines. <i>Synlett</i> , 1996, 1996, 727-728.	1.8	39
23	(1S, 3R, 4R)-2-Azanorbornyl-3-methanol oxazaborolidines in the asymmetric reduction of ketones. <i>Tetrahedron</i> , 1998, 54, 7897-7906.	1.9	38
24	Direct transformation of dialkyl sulfates into alkylolithium reagents by a naphthalene-catalysed lithiation. <i>Tetrahedron</i> , 1994, 50, 3427-3436.	1.9	37
25	Naphthalene-catalysed reductive desulfonylation with lithium: Alkylolithiums from alkyl phenyl sulfones. <i>Tetrahedron Letters</i> , 1994, 35, 2965-2968.	1.4	35
26	Generation of allylic and benzylic organolithium reagents from the corresponding ester, amide, carbonate, carbamate and urea derivatives. <i>Tetrahedron</i> , 1999, 55, 11027-11038.	1.9	34
27	Enantioselective addition of dialkylzinc reagents to N-(diphenylphosphinoyl)imines catalyzed by $\hat{\gamma}^2$ -aminoalcohols with the prolinol skeleton. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2828-2840.	1.8	32
28	Arene-catalysed reductive desulfonylation and desulfinylation reactions: New routes for alkylolithiums. <i>Tetrahedron</i> , 1995, 51, 2699-2708.	1.9	27
29	Achiral $\hat{\gamma}^2$ -amino alcohols as efficient ligands for the ruthenium-catalysed asymmetric transfer hydrogenation of sulfinylimines. <i>Tetrahedron Letters</i> , 2011, 52, 789-791.	1.4	27
30	Direct transformation of allylic and benzylic alcohols or their silylated derivatives into organolithium compounds. <i>Tetrahedron</i> , 1995, 51, 11457-11464.	1.9	25
31	Generation of allylic and benzylic organolithium compounds by fluorine-lithium exchange: reaction with electrophiles. <i>Journal of Organometallic Chemistry</i> , 2001, 624, 53-57.	1.8	24
32	Microwave-Enhanced Asymmetric Transfer Hydrogenation of α -N-(tert-Butylsulfinyl)imines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7034-7038.	2.4	24
33	Application of the addition of triorganozincates to N-(tert-butanesulfinyl)imines to the enantioselective synthesis of $\hat{\gamma}^1$ -amino acids. <i>Tetrahedron Letters</i> , 2009, 50, 4188-4190.	1.4	23
34	An improved procedure for the diastereoselective addition of triorganozincates to N-(tert-butanesulfinyl)imines: use of catalytic dialkylzinc. <i>Tetrahedron Letters</i> , 2009, 50, 3198-3201.	1.4	22
35	Nickel-catalysed addition of dialkylzinc reagents to N-phosphinoyl- and N-sulfonylimines. <i>Tetrahedron</i> , 2007, 63, 1167-1174.	1.9	21
36	Synthesis of substituted cyclopropanes from 1,3-diols through the corresponding cyclic sulfates. <i>Tetrahedron</i> , 1995, 51, 11445-11456.	1.9	20

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37	Arene-Catalysed Lithiation of Fluoroarenes. <i>Tetrahedron</i> , 2000, 56, 1135-1138.	1.9	20
38	Microwave-accelerated enantioselective addition of dialkylzinc reagents to N-(diphenylphosphinoyl)imines catalysed by \hat{I}^2 -aminoalcohols with the prolinol skeleton. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1376-1380.	1.8	20
39	Direct Transformation of Allylic and Benzylic Thiols, Thioethers, and Disulfides into Organolithium Compounds. <i>Synthetic Communications</i> , 2003, 33, 2365-2376.	2.1	19
40	N-Benzyl-l-prolinol: an efficient catalyst for the enantioselective addition of dialkylzinc reagents to N-(diphenylphosphinoyl)imines. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 896-899.	1.8	19
41	Asymmetric synthesis of \hat{I}^\pm - and \hat{I}^2 -amino acids by diastereoselective addition of triorganozincates to N-(tert-butanesulfinyl)imines. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1421-1431.	1.8	19
42	Reductive defluorination of fluoroalkanes. <i>Tetrahedron</i> , 2003, 59, 1237-1244.	1.9	18
43	Deallyloxy- and debenzyloxycarbonylation of protected alcohols, amines and thiols via a naphthalene-catalysed lithiation reaction. <i>Tetrahedron</i> , 2005, 61, 9319-9324.	1.9	17
44	Detritylation Procedure under Non-Acidic Conditions: Naphthalene Catalysed \hat{A} -Reductive Cleavage of Trityl Ethers. <i>Synthesis</i> , 2003, 2003, 2179-2184.	2.3	16
45	Desilylation procedure via a naphthalene-catalysed lithiation reaction. <i>Tetrahedron</i> , 2005, 61, 6908-6915.	1.9	14
46	Electrochemically site-selective alkoxylation of twisted 2-arylbenzoic acids <i>via</i> <i>spiro</i> lactonization. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5130-5138.	4.5	12
47	Synthesis of Allylic Amines by Asymmetric Transfer Hydrogenation of \hat{I}^\pm, \hat{I}^2 -Unsaturated <i>N</i> -(tert-Butylsulfinyl)imines. <i>Journal of Organic Chemistry</i> , 2017, 82, 13693-13699.	3.2	11
48	Non-Deprotonating Methodologies for Organolithium Reagents Starting from Non-Halogenated Materials. Part 1: Carbon \hat{C} -Heteroatom Bond Cleavage. <i>Current Organic Chemistry</i> , 2011, 15, 375-400.	1.6	9
49	Synthesis of Propargylamines by Cross-Dehydrogenative Coupling. <i>Current Green Chemistry</i> , 2019, 6, 105-126.	1.1	9
50	Non-Deprotonating Methodologies for Organolithium Reagents Starting from Non-Halogenated Materials. Part 2: Transmetallation and Addition to Multiple Bonds. <i>Current Organic Chemistry</i> , 2011, 15, 2362-2389.	1.6	8
51	Polymer-supported l-prolinol-based catalysts for the enantioselective addition of dialkylzinc reagents to N-(diphenylphosphinoyl)imines. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 116-120.	1.8	8
52	Reductive Removal of the Pivaloyl Protecting Group from Tetrazoles by a Naphthalene-Catalyzed Lithiation Process. <i>Synthesis</i> , 2015, 47, 507-510.	2.3	8
53	Chiral \hat{I}^2 -Amino Alcohols as Ligands for the Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation of N-Phosphinyl Ketimines. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 1-12.	2.5	7
54	Indium-Mediated Cleavage of the Trityl Group from Protected 1H-Tetrazoles. <i>Synlett</i> , 2015, 26, 2399-2402.	1.8	7

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55	Zn/MeOH-Mediated Practical and Easy Detritylation of Protected 1-Trityltetrazoles. <i>Synthesis</i> , 2016, 48, 2455-2460.	2.3	6
56	Detritylation of Protected Tetrazoles by Naphthalene-Catalyzed Lithiation. <i>Synthesis</i> , 2014, 46, 2065-2070.	2.3	5
57	LiCl-mediated, easy, and low-cost removal of the trityl group from protected alcohols and diols. <i>Tetrahedron Letters</i> , 2016, 57, 3526-3528.	1.4	4
58	Nickel-accelerated addition of dialkylzinc reagents to aldehydes. Application to enantioselective synthesis. <i>Arkivoc</i> , 2006, 2006, 18-28.	0.5	4
59	Deacylation of Esters, Thioesters and Amides by a Naphthalene-Catalysed Lithiation. <i>Synthesis</i> , 2006, 2006, 309-314.	2.3	3
60	Desilylation Procedure via a Naphthalene-Catalyzed Lithiation Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.0	2
61	Indium-mediated cleavage of the trityl group from protected alcohols and diols. <i>Tetrahedron</i> , 2016, 72, 7937-7941.	1.9	2
62	Deallyloxy- and Debenzyloxycarbonylation of Protected Alcohols, Amines and Thiols via a Naphthalene-Catalyzed Lithiation Reaction.. <i>ChemInform</i> , 2006, 37, no.	0.0	1
63	Benzylolithium from methylated benzylamine and its ammonium salt via naphthalene-catalyzed carbon-nitrogen bond reductive cleavage. <i>Arkivoc</i> , 2004, 2004, 5-13.	0.5	1
64	Reductive Defluorination of Fluoroalkanes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
65	Direct Transformation of Allylic and Benzylic Thiols, Thioethers, and Disulfides into Organolithium Compounds.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
66	Detritylation Procedure under Non-Acidic Conditions: Naphthalene Catalyzed Reductive Cleavage of Trityl Ethers.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
67	Reductive removal of the Boc protecting group via a DTBB-catalysed lithiation reaction. <i>Arkivoc</i> , 2007, 2007, 41-50.	0.5	0