

Paul Knochel

List of Publications by Year in descending order

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1606

105
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160
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877
all docs

877
docs citations

877
times ranked

16504
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and reactions of polyfunctional organozinc reagents in organic synthesis. <i>Chemical Reviews</i> , 1993, 93, 2117-2188.	23.0	1,012
2	A LiCl-Mediated Br/Mg Exchange Reaction for the Preparation of Functionalized Aryl- and Heteroarylmagnesium Compounds from Organic Bromides. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3333-3336.	7.2	817
3	Highly Functionalized Organomagnesium Reagents Prepared through Halogen-Metal Exchange. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4302-4320.	7.2	715
4	Synthesis and reactivity toward acyl chlorides and enones of the new highly functionalized copper reagents $\text{RCu}(\text{CN})\text{ZnI}$. <i>Journal of Organic Chemistry</i> , 1988, 53, 2390-2392.	1.7	668
5	Mixed Mg/Li Amides of the Type $\text{R}_2\text{NMgCl}\cdot\text{LiCl}$ as Highly Efficient Bases for the Regioselective Generation of Functionalized Aryl and Heteroaryl Magnesium Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2958-2961.	7.2	469
6	Enantioselective, Copper(I)-Catalyzed Three-Component Reaction for the Preparation of Propargylamines. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5763-5766.	7.2	437
7	Efficient Synthesis of Functionalized Organozinc Compounds by the Direct Insertion of Zinc into Organic Iodides and Bromides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6040-6044.	7.2	402
8	A Photoconductive Thienothiophene-Based Covalent Organic Framework Showing Charge Transfer Towards Included Fullerene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2920-2924.	7.2	385
9	Regio- and Chemoselective Metalation of Arenes and Heteroarenes Using Hindered Metal Amide Bases. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9794-9824.	7.2	357
10	Mild and stereoselective hydroborations of functionalized alkynes and alkenes using pinacolborane. <i>Journal of Organic Chemistry</i> , 1992, 57, 3482-3485.	1.7	329
11	Oriented Films of Conjugated 2D Covalent Organic Frameworks as Photocathodes for Water Splitting. <i>Journal of the American Chemical Society</i> , 2018, 140, 2085-2092.	6.6	320
12	Recent Developments in Negishi Cross-Coupling Reactions. <i>ACS Catalysis</i> , 2016, 6, 1540-1552.	5.5	317
13	Organozinc mediated reactions. <i>Tetrahedron</i> , 1998, 54, 8275-8319.	1.0	309
14	Soluble Lanthanide Salts ($\text{LnCl}_3\cdot 2\text{LiCl}$) for the Improved Addition of Organomagnesium Reagents to Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 497-500.	7.2	288
15	Enantioselective Synthesis of Propargylamines by Copper-Catalyzed Addition of Alkynes to Enamines. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2535-2538.	7.2	287
16	New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4414-4435.	7.2	279
17	$(\text{tmp})_2\text{Zn}\cdot 2\text{MgCl}\cdot 2\text{LiCl}$: A Chemoselective Base for the Directed Zincation of Sensitive Arenes and Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7685-7688.	7.2	266
18	Room Temperature Synthesis of Covalent Organic Framework Films through Vapor-Assisted Conversion. <i>Journal of the American Chemical Society</i> , 2015, 137, 1016-1019.	6.6	257

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19	Preparation of Highly Functionalized Grignard Reagents by an Iodine-Magnesium Exchange Reaction and its Application in Solid-Phase Synthesis. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1701-1703.	7.2	244
20	Synthesis of polyfunctional indoles and related heterocycles mediated by cesium and potassium bases. <i>Tetrahedron</i> , 2003, 59, 1571-1587.	1.0	227
21	Highly Efficient Reagents for Br/Mg Exchange. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 159-162.	7.2	225
22	Convenient Preparation of Polyfunctional Aryl Magnesium Reagents by a Direct Magnesium Insertion in the Presence of LiCl. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6802-6806.	7.2	223
23	Copper-catalyzed aerobic oxidation of alcohols under fluorous biphasic conditions. <i>Tetrahedron Letters</i> , 2000, 41, 4343-4346.	0.7	221
24	Nickel-Catalyzed Cross-Coupling between Functionalized Primary or Secondary Alkylzinc Halides and Primary Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2002, 67, 79-85.	1.7	216
25	An Efficient Nickel-Catalyzed Cross-Coupling Between sp ³ Carbon Centers. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2387-2390.	7.2	212
26	Synthesis of Well-Ordered COF Monolayers: Surface Growth of Nanocrystalline Precursors versus Direct On-Surface Polycondensation. <i>ACS Nano</i> , 2011, 5, 9737-9745.	7.3	211
27	Preparation of functionalized dialkylzinc reagents via an iodine-zinc exchange reaction. Highly enantioselective synthesis of functionalized secondary alcohols. <i>Journal of Organic Chemistry</i> , 1992, 57, 1956-1958.	1.7	207
28	Versatile Indole Synthesis by a 5-endo-dig Cyclization Mediated by Potassium or Cesium Bases. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2488-2490.	7.2	206
29	Synchronized Offset Stacking: A Concept for Growing Large-Domain and Highly Crystalline 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 16703-16710.	6.6	199
30	Direct Magnesiumation of Polyfunctionalized Arenes and Heteroarenes Using (tmp) ₂ Mg·2LiCl. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7681-7684.	7.2	195
31	Isorecticular Two-Dimensional Covalent Organic Frameworks Synthesized by On-Surface Condensation of Diboronic Acids. <i>ACS Nano</i> , 2012, 6, 7234-7242.	7.3	194
32	Oriented Thin Films of a Benzodithiophene Covalent Organic Framework. <i>ACS Nano</i> , 2014, 8, 4042-4052.	7.3	188
33	TMPZnCl·LiCl: A New Active Selective Base for the Directed Zincation of Sensitive Aromatics and Heteroaromatics. <i>Organic Letters</i> , 2009, 11, 1837-1840.	2.4	186
34	A New Nickel-Catalyzed Cross-Coupling Reaction between sp ³ Carbon Centers. <i>Angewandte Chemie International Edition in English</i> , 1996, 34, 2723-2725.	4.4	184
35	Practical Highly Enantioselective Synthesis of Propargylamines through a Copper-Catalyzed One-Pot Three-Component Condensation Reaction. <i>Chemistry - A European Journal</i> , 2006, 12, 4380-4392.	1.7	183
36	New Efficient Nickel-Catalyzed Cross-Coupling Reaction between Two sp ³ Centers. <i>Journal of Organic Chemistry</i> , 1999, 64, 3544-3553.	1.7	179

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37	Enantioselective Preparation of C ₂ -Symmetrical Ferrocenyl Ligands for Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 1998, 4, 950-968.	1.7	176
38	Modern Amination Reactions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4166-4176.	1.2	176
39	Copper-catalysed aerobic oxidation of alcohols using fluororous biphasic catalysis. <i>Tetrahedron</i> , 2002, 58, 3985-3991.	1.0	175
40	Preparation of New Polyfunctional Magnesiated Heterocycles Using a Chlorine ⁺ , Bromine ⁺ , or Iodine ⁺ Magnesium Exchange. <i>Journal of Organic Chemistry</i> , 2000, 65, 4618-4634.	1.7	174
41	A Covalent Organic Framework with 4 nm open pores. <i>Chemical Communications</i> , 2011, 47, 1707.	2.2	168
42	Preparation of Functionalized Dialkylzincs via a Boron ⁺ Zinc Exchange. Reactivity and Catalytic Asymmetric Addition to Aldehydes. <i>Journal of Organic Chemistry</i> , 1996, 61, 8229-8243.	1.7	165
43	Cesium hydroxide catalyzed addition of alcohols and amine derivatives to alkynes and styrene. <i>Tetrahedron Letters</i> , 1999, 40, 6193-6195.	0.7	165
44	Ferrocenyl Ligands with Two Phosphanyl Substituents in the 1,5-positions for the Transition Metal Catalyzed Asymmetric Hydrogenation of Functionalized Double Bonds. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3212-3215.	7.2	163
45	Preparation of Polyfunctional Arylmagnesium, Arylzinc, and Benzylic Zinc Reagents by Using Magnesium in the Presence of LiCl. <i>Chemistry - A European Journal</i> , 2009, 15, 7192-7202.	1.7	163
46	Transition Metal Catalyzed Oxidations in Perfluorinated Solvents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1454-1456.	4.4	160
47	Preparation of highly functionalized magnesium, zinc, and copper aryl and alkenyl organometallics via the corresponding organolithiums. <i>Journal of the American Chemical Society</i> , 1992, 114, 3983-3985.	6.6	158
48	Highly Functionalized Benzene Syntheses by Directed Mono or Multiple Magnesiations with TMPMgCl ⁺ LiCl. <i>Organic Letters</i> , 2006, 8, 5673-5676.	2.4	158
49	Radical Catalysis of Kumada Cross-Coupling Reactions Using Functionalized Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 205-209.	7.2	155
50	Ni(II)-Catalyzed Cross-Coupling between Polyfunctional Arylzinc Derivatives and Primary Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 1998, 120, 11186-11187.	6.6	152
51	An Efficient Synthesis of Diaryl Ketones by Iron-Catalyzed Arylation of Aryl Cyanides. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2968-2970.	7.2	152
52	Synthesis of Bicyclo[1.1.1]pentane Bioisosteres of Internal Alkynes and <i>para</i> -Disubstituted Benzenes from [1.1.1]Propellane. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12774-12777.	7.2	149
53	Preparation of polyfunctional aryl and alkenyl zinc halides from functionalized unsaturated organolithiums and their reactivity in cross-coupling and conjugated addition reactions. <i>Tetrahedron</i> , 1996, 52, 7201-7220.	1.0	148
54	Synthesis of a New Class of Chiral 1,5-Diphosphanylferrocene Ligands and Their Use in Enantioselective Hydrogenation. <i>Chemistry - A European Journal</i> , 2002, 8, 843-852.	1.7	145

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55	LiCl-Mediated Preparation of Highly Functionalized Benzylic Zinc Chlorides. <i>Organic Letters</i> , 2008, 10, 1107-1110.	2.4	145
56	New Cobalt- and Iron-Catalyzed Reactions of Organozinc compounds. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1700-1701.	4.4	144
57	Iron-Catalyzed Aryl-Aryl Cross-Couplings with Magnesium-Derived Copper Reagents. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1654-1658.	7.2	144
58	New P,N Ligands for Asymmetric Ir-Catalyzed Reactions. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3941-3943.	7.2	143
59	Nucleophilic Catalysis of the Iodine-Zinc Exchange Reaction: Preparation of Highly Functionalized Diaryl Zinc Compounds. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1017-1021.	7.2	143
60	MgCl ₂ -Accelerated Addition of Functionalized Organozinc Reagents to Aldehydes, Ketones, and Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4665-4668.	7.2	139
61	Strategies To Prepare and Use Functionalized Organometallic Reagents. <i>Journal of Organic Chemistry</i> , 2014, 79, 4253-4269.	1.7	138
62	Cobalt(II)-Catalyzed Cross-Coupling between Polyfunctional Arylcopper Reagents and Aryl Fluorides or Tosylates. <i>Organic Letters</i> , 2006, 8, 725-728.	2.4	136
63	A new preparation of highly functionalized aromatic and heteroaromatic zinc and copper organometallics. <i>Tetrahedron Letters</i> , 1990, 31, 4413-4416.	0.7	135
64	New Efficient Nickel- and Palladium-Catalyzed Cross-Coupling Reactions Mediated by Tetrabutylammonium Iodide. <i>Organic Letters</i> , 1999, 1, 1323-1326.	2.4	135
65	Bromine-magnesium-exchange as a general tool for the preparation of polyfunctional aryl and heteroaryl magnesium-reagents. <i>Tetrahedron Letters</i> , 1999, 40, 7449-7453.	0.7	134
66	Copper(I)-Catalyzed Enantioselective Substitution of Allyl Chlorides with Diorganozinc Compounds. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 379-381.	7.2	134
67	Highly Stereoselective Anti SN ₂ Substitutions of (Z)-Allylic Pentafluorobenzoates with Polyfunctionalized Zinc-Copper Reagents. <i>Organic Letters</i> , 2003, 5, 2111-2114.	2.4	133
68	Highly Selective Metalations of Pyridines and Related Heterocycles Using New Frustrated Lewis Pairs or tmp ₂ Zn and tmp ₂ Mg with BF ₃ ·OEt ₂ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5451-5455.	7.2	133
69	Highly Diastereoselective Arylations of Substituted Piperidines. <i>Journal of the American Chemical Society</i> , 2011, 133, 4774-4777.	6.6	133
70	A General Method for <i>meta</i> and <i>para</i> Functionalization of Arenes Using TMP ₂ Mg·LiCl. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1503-1507.	7.2	130
71	Lewis Acid-Triggered Selective Zincation of Chromones, Quinolones, and Thiochromones: Application to the Preparation of Natural Flavones and Isoflavones. <i>Journal of the American Chemical Society</i> , 2012, 134, 13584-13587.	6.6	130
72	Highly diastereoselective Csp ³ -Csp ² Negishi cross-coupling with 1,2-, 1,3- and 1,4-substituted cycloalkylzinc compounds. <i>Nature Chemistry</i> , 2010, 2, 125-130.	6.6	129

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73	Preparation of new classes of aliphatic, allylic, and benzylic zinc and copper reagents by the insertion of zinc dust into organic halides, phosphates, and sulfonates. <i>Journal of Organic Chemistry</i> , 1992, 57, 5425-5431.	1.7	128
74	One-Pot Negishi Cross-Coupling Reactions of In Situ Generated Zinc Reagents with Aryl Chlorides, Bromides, and Triflates. <i>Journal of Organic Chemistry</i> , 2008, 73, 7380-7382.	1.7	128
75	New Nickel-Catalyzed Carbozincation of Alkynes: A Short Synthesis of (Z)-Tamoxifen. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 93-95.	4.4	127
76	A New General Preparation of Polyfunctional Diarylamines by the Addition of Functionalized Arylmagnesium Compounds to Nitroarenes. <i>Journal of the American Chemical Society</i> , 2002, 124, 9390-9391.	6.6	125
77	Stereoselective Reactions Mediated by Functionalized Diorganozincs. <i>Synlett</i> , 1995, 1995, 393-403.	1.0	122
78	Palladium-Catalyzed Cross-Coupling of Organozinc Bromides with Aryl Iodides in Perfluorinated Solvents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2623-2624.	4.4	122
79	Functionalized magnesium organometallics as versatile intermediates for the synthesis of polyfunctional heterocycles. <i>Chemical Communications</i> , 2006, , 583-593.	2.2	122
80	Highly Diastereoselective Synthesis of Homoallylic Alcohols Bearing Adjacent Quaternary Centers Using Substituted Allylic Zinc Reagents. <i>Journal of the American Chemical Society</i> , 2007, 129, 5376-5377.	6.6	122
81	Convenient Electrophilic Fluorination of Functionalized Aryl and Heteroaryl Magnesium Reagents. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2215-2218.	7.2	121
82	Synthesis of Enantiomerically Enriched Propargylamines by Copper-Catalyzed Addition of Alkynes to Enamines. <i>Chemistry - A European Journal</i> , 2003, 9, 2797-2811.	1.7	120
83	Palladium-Catalyzed Cross-Coupling Reactions with Aryl Nonaflates: A Practical Alternative to Aryl Triflates. <i>Journal of Organic Chemistry</i> , 1998, 63, 203-208.	1.7	119
84	Fe(III)-Catalyzed Cross-Coupling Between Functionalized Arylmagnesium Compounds and Alkenyl Halides. <i>Synlett</i> , 2001, 2001, 1901-1904.	1.0	119
85	Continuous Preparation of Arylmagnesium Reagents in Flow with Inline IR Monitoring. <i>Organic Process Research and Development</i> , 2012, 16, 1102-1113.	1.3	119
86	Transition-Metal-Free BF ₃ -Mediated Regioselective Direct Alkylation and Arylation of Functionalized Pyridines Using Grignard or Organozinc Reagents. <i>Journal of the American Chemical Society</i> , 2013, 135, 4958-4961.	6.6	119
87	Selective mono- and polymethylene homologations of copper reagents using (iodomethyl)zinc iodide. <i>Journal of Organic Chemistry</i> , 1993, 58, 2694-2713.	1.7	118
88	Stereoselective Preparation of Functionalized Acyclic Alkenylmagnesium Reagents Using i-PrMgCl·LiCl. <i>Organic Letters</i> , 2004, 6, 4215-4217.	2.4	118
89	An Efficient Silane-Promoted Nickel-Catalyzed Amination of Aryl and Heteroaryl Chlorides. <i>Journal of Organic Chemistry</i> , 2008, 73, 1429-1434.	1.7	118
90	Efficient Chromium(II)-Catalyzed Cross-Coupling Reactions between Csp ² Centers. <i>Journal of the American Chemical Society</i> , 2013, 135, 15346-15349.	6.6	118

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91	The reactivity of the highly functionalized copper, zinc reagents RCu(CN)ZnI toward 1-haloalkynes and acetylenic esters. <i>Tetrahedron Letters</i> , 1989, 30, 4799-4802.	0.7	116
92	Catalytic Asymmetric Addition of Polyfunctional Dialkylzincs to .beta.-Stannylated and .beta.-Silylated Unsaturated Aldehydes. <i>Journal of Organic Chemistry</i> , 1994, 59, 4143-4153.	1.7	116
93	Regio- and Chemoselective Multiple Functionalization of Pyrimidine Derivatives by Selective Magnesiations using TMPMgCl \cdot LiCl. <i>Organic Letters</i> , 2008, 10, 2497-2500.	2.4	116
94	Stereoselective Synthesis of Heterocyclic Zinc Reagents via a Nickel-Catalyzed Radical Cyclization. <i>Journal of Organic Chemistry</i> , 1996, 61, 5743-5753.	1.7	115
95	Chemoselective Benzylic C-H Activations for the Preparation of Condensed N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3462-3465.	7.2	115
96	Negishi Cross-Couplings of Unsaturated Halides Bearing Relatively Acidic Hydrogen Atoms with Organozinc Reagents. <i>Organic Letters</i> , 2008, 10, 2765-2768.	2.4	115
97	Sulfoxide-Alkene Hybrids: A New Class of Chiral Ligands for the Hayashi-Miyaura Reaction. <i>Organic Letters</i> , 2011, 13, 3182-3185.	2.4	115
98	Regio- and Chemoselective Metalation of Chloropyrimidine Derivatives with TMPMgCl \cdot LiCl and TMP \cdot Zn \cdot LiCl. <i>Chemistry - A European Journal</i> , 2009, 15, 1468-1477.	2.4	113
99	Palladium-catalyzed iodine-zinc exchange reactions. A new palladium-mediated intramolecular carbocation of alkenes. <i>Journal of the American Chemical Society</i> , 1993, 115, 7027-7028.	6.6	112
100	A new approach to boron-stabilized organometallics. <i>Journal of the American Chemical Society</i> , 1990, 112, 7431-7433.	6.6	111
101	Transition-Metal-Free Homocoupling of Organomagnesium Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5010-5014.	7.2	111
102	A New, One-Step, Effective Protocol for the Iodination of Aromatic and Heterocyclic Compounds via Aprotic Diazotization of Amines. <i>Synthesis</i> , 2007, 2007, 81-84.	1.2	111
103	Practical highly enantioselective synthesis of terminal propargylamines. An expeditious synthesis of (S)-(+)-coniine. <i>Chemical Communications</i> , 2004, , 2324.	2.2	110
104	Stereoselective C-Glycosylation Reactions with Arylzinc Reagents. <i>Organic Letters</i> , 2012, 14, 1480-1483.	2.4	108
105	General approach to highly functionalized benzylic organometallics of zinc and copper. <i>Journal of Organic Chemistry</i> , 1988, 53, 5789-5791.	1.7	107
106	New P,N-Ferrocenyl Ligands for the Asymmetric Ir-Catalyzed Hydrogenation of Imines. <i>Organic Letters</i> , 2007, 9, 3089-3092.	2.4	106
107	Lewis Acid Promoted Benzylic Cross-Couplings of Pyridines with Aryl Bromides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7686-7690.	7.2	106
108	Preparation and reactivity of chiral β^2 -amido-alkylzinc iodides and related configurationally stable zinc organometallics. <i>Tetrahedron</i> , 1994, 50, 2415-2432.	1.0	105

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109	Preparation and reactions of new zincated nitrogen-containing heterocycles. <i>Tetrahedron</i> , 1997, 53, 7237-7254.	1.0	103
110	β^2 -Silyl Diorganozinc Compounds – A New Class of Useful Zinc Reagents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1496-1498.	4.4	103
111	t-BuOK-catalyzed addition phosphines to functionalized alkenes: a convenient synthesis of polyfunctional phosphine derivatives. <i>Tetrahedron Letters</i> , 2002, 43, 5817-5819.	0.7	103
112	Preparation of Polyfunctional Arylmagnesium Reagents Bearing a Triazene Moiety. A New Carbazole Synthesis. <i>Organic Letters</i> , 2005, 7, 2543-2546.	2.4	102
113	Synthesis of Functionalized Diarylmethanes via a Copper-Catalyzed Cross-Coupling of Arylmagnesium Reagents with Benzylic Phosphates. <i>Organic Letters</i> , 2006, 8, 4121-4124.	2.4	102
114	Syntheses of substituted pyridines, quinolines and diazines via palladium-catalyzed cross-coupling of aryl Grignard reagents. <i>Tetrahedron</i> , 2002, 58, 4429-4438.	1.0	101
115	Preparation of Polyfunctional Arynes via 2-Magnesiated Diaryl Sulfonates. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4364-4366.	7.2	101
116	Preparation of Aryl and Heteroaryl Indium(III) Reagents by the Direct Insertion of Indium in the Presence of LiCl. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7648-7651.	7.2	101
117	Copper-Catalyzed Asymmetric Michael Addition of Magnesium, Zinc, and Aluminum Organometallic Reagents: Efficient Synthesis of Chiral Molecules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 645-648.	7.2	101
118	Preparation and reactivity of highly functionalized organometallics at the .alpha. position of oxygen or nitrogen. <i>Journal of Organic Chemistry</i> , 1993, 58, 588-599.	1.7	100
119	New Polyfunctional Magnesium Reagents for Organic Synthesis. <i>Chemistry - A European Journal</i> , 2000, 6, 767-770.	1.7	100
120	Highly enantioselective copper-catalyzed substitution of allylic chlorides with diorganozincs. <i>Tetrahedron Letters</i> , 2000, 41, 9233-9237.	0.7	100
121	Preparation and Reactions of Functionalized Arylmagnesium Reagents. <i>Synthesis</i> , 2002, 2002, 565-569.	1.2	100
122	Palladium- and Nickel-Catalyzed Cross-Couplings of Unsaturated Halides Bearing Relatively Acidic Protons with Organozinc Reagents. <i>Journal of Organic Chemistry</i> , 2008, 73, 8422-8436.	1.7	100
123	Ligand-Accelerated Iron- and Cobalt-Catalyzed Cross-Coupling Reactions between N-Heteroaryl Halides and Aryl Magnesium Reagents. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4945-4949.	7.2	100
124	Preparation and reactions of functionalized benzylic organometallics of zinc and copper. <i>Organometallics</i> , 1990, 9, 3053-3064.	1.1	99
125	New efficient catalysts for enantioselective transfer hydrogenations. <i>Tetrahedron Letters</i> , 1996, 37, 8165-8168.	0.7	99
126	Improved Air-Stable Solid Aromatic and Heterocyclic Zinc Reagents by Highly Selective Metalations for Negishi Cross-Couplings. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9428-9432.	7.2	98

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127	Highly Enantioselective Addition of Mixed Diorganozincs to Aldehydes. <i>Journal of Organic Chemistry</i> , 1997, 62, 7895-7898.	1.7	97
128	Cesium Hydroxide: A Superior Base for the Catalytic Alkynylation of Aldehydes and Ketones and Catalytic Alkenylation of Nitriles. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1463-1465.	7.2	97
129	Preparation of Functionalized Aryl Magnesium Reagents by the Addition of Magnesium Aryl Thiolates and Amides to Alkynes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4258-4261.	7.2	97
130	Preparation of Polyfunctional Aryl Azides from Aryl Triazenes. A New Synthesis of Ellipticine, 9-Methoxyellipticine, Isoellipticine, and 7-Carbethoxyisoellipticine. <i>Journal of Organic Chemistry</i> , 2007, 72, 7106-7115.	1.7	97
131	Preparation of functionalized organoaluminiums by direct insertion of aluminium to unsaturated halides. <i>Nature Chemistry</i> , 2010, 2, 313-318.	6.6	97
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665	Stereoselective Preparation and Reactions of Chiral Secondary Alkylolithiums. <i>Synthesis</i> , 2020, 52, 189-196.	1.2	10
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678	(2-Ethylhexyl)natrium: Ein hexanlösliches Reagenz für Br/Na-Austauschreaktionen und dirigierte Metallierungen im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , 2021, 133, 14416-14421.	1.6	9
679	General stereoretentive preparation of chiral secondary mixed alkylmagnesium reagents and their use for enantioselective electrophilic aminations. <i>Chemical Science</i> , 2021, 13, 44-49.	3.7	9
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681	Direct preparation of copper organometallics bearing an aldehyde function via an iodine-copper exchange. <i>Chemical Communications</i> , 2006, , 2486-2488.	2.2	8
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686	Regioselektive Allyl-Äthyl-Kreuzkupplungen ohne Übergangsmetallkatalysator. <i>Angewandte Chemie</i> , 2016, 128, 10658-10662.	1.6	8
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713	Efficient Cross-Coupling Reactions of (Pivaloyloxymethyl)zinc Chloride. <i>Synthesis</i> , 2014, 46, 1052-1058.	1.2	6
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724	Iron-Catalyzed Cross-Coupling between Alkenyl and Dienyl Sulfonates and Functionalized Arylcopper Reagents. <i>Synlett</i> , 2006, 2006, 0407-0410.	1.0	5
725	Preparation and Reactions of Functionalized Organocopper Reagents. <i>Synthesis</i> , 2006, 2006, 2618-2623.	1.2	5
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737	Stereoselective Preparation of Cyclopropylmagnesium Reagents via a Br-Mg Exchange Using <i>i</i> -PrMgCl-LiCl in the Presence of Dioxane. <i>Synlett</i> , 2009, 2009, 67-70.	1.0	4
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745	Stereoselektive C(sp ³)-C(sp ²)-Kreuzkupplungen von chiralen sekundären Alkylzinkreagenzien mit Alkenyl- und Arylhalogeniden. <i>Angewandte Chemie</i> , 2020, 132, 328-332.	1.6	4
746	Preparation and Reactions of (1H-Tetrazol-5-yl)zinc Pivalates. <i>Synthesis</i> , 2020, 52, 2357-2363.	1.2	4
747	Cobalt-katalysierte Kreuzkupplung funktionalisierter Alkylzinkreagenzien mit (Hetero)Arylhalogeniden. <i>Angewandte Chemie</i> , 2020, 132, 5591-5595.	1.6	4
748	Preparation of Polyfunctionalized Aromatic Nitriles from Aryl Oxazolines. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	4
749	Preparation of Primary and Secondary Dialkylmagnesiums by a Radical I/Mg-Exchange Reaction Using s Bu ₂ Mg in Toluene. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	4
750	Stereoselective Preparation of Functionalized Unsaturated Lactones and Esters via Functionalized Magnesium Carbenoids. <i>Synthesis</i> , 2003, 2003, 1797-1802.	1.2	3
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752	A General Thiolation of Magnesium Organometallics Using Tetramethylthiuram Disulfide. <i>Synlett</i> , 2005, 2005, 2691-2693.	1.0	3
753	Preparation of Highly Functionalized Heterocyclic Zinc Organometallics via a Li(acac)-Catalysis of the I/Zn-Exchange Reaction. <i>Synlett</i> , 2005, 2005, 267-270.	1.0	3
754	Iodine-Magnesium Exchange on Unprotected Imidazoles in the Presence of LiCl. <i>Synlett</i> , 2007, 2007, 0980-0982.	1.0	3
755	Preparation of Polyfunctional Aryl Triazenes via a Direct Insertion Reaction of Zn in the Presence of LiCl. <i>Synlett</i> , 2007, 2007, 2081-2085.	1.0	3
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758	Efficient Preparation of Polyfunctional Indoles via a Zinc Organometallic Variation of the Fischer Indole Synthesis. <i>Synthesis</i> , 2011, 2011, 23-29.	1.2	3
759	Synthesis of (4 <i>R</i>)-Azido-(2 <i>R</i>)-2-Deoxy-2-C-Methyluridine and Its Esters by Direct Iodide Displacement. <i>Synlett</i> , 2013, 24, 1697-1701.	1.0	3
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761	Synthesis and Bioactivity of Novel N-Benzylidene and N-Phenethylidene Ephedrine Derivatives. <i>Synthesis</i> , 2017, 49, 5159-5166.	1.2	3
762	Steric-Hindrance Triggered Remote Lithiations of Bulky Silyl-Substituted Arenes. <i>Synthesis</i> , 2019, 51, 3536-3544.	1.2	3
763	Übergangsmetallfreie Synthese polyfunktioneller Triarylmethane und 1,1-Diaryllalkane durch sequentielle Kreuzkupplungen von Benzaldiacetaten mit Organozinkreagenzien. <i>Angewandte Chemie</i> , 2021, 133, 10499-10505.	1.6	3
764	Cobalt-Catalyzed Preparation of N-Heterocyclic Organozinc Reagents from the Corresponding Heteroaryl Chlorides. <i>Synthesis</i> , 2021, 53, 4068-4074.	1.2	3
765	Regioselective Magnesiations of Fluorinated Arenes and Heteroarenes Using Magnesium-bis-Disopropylamide (MBDA) in Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	3
766	Preparation and Reactions of Highly Functionalized Bis-Arylzinc Reagents Using a Li(acac)-Catalyzed Iodine-Zinc Exchange. <i>Synthesis</i> , 2005, 2005, 2625-2629.	1.2	2
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769	A Novel Palladium-Catalyzed Cross-Coupling of Thiomethylated Alkynes with Functionalized Organozinc Reagents. <i>Synthesis</i> , 2010, 2010, 2085-2091.	1.2	2
770	Continuous Flow Preparation of Benzylidene Sodium Organometallics. <i>Angewandte Chemie</i> , 0, , .	1.6	2
771	Synthesis and Reactivity of Aryl- and Heteroaryl-Magnesium Reagents Bearing Keto Groups. <i>Synlett</i> , 2002, 2002, 1799-1802.	1.0	1
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774	A Convenient Synthesis of 1-(4-Fluorophenyl)-2-(4-pyridyl)cyclopentene from Cyclopentanone. <i>Synthesis</i> , 2008, 2008, 225-228.	1.2	1

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776	Preparation of Diorganomagnesium Reagents by Halogen-Lithium Exchange of Functionalized Heteroaryl Halides and Subsequent in situ Trapping with MgCl ₂ ·LiCl in Continuous Flow. <i>Synthesis</i> , 0, 52, .	1.2	1
777	Preparation of Functionalized Diorganomagnesium Reagents in Toluene via Bromine or Iodine/Magnesium-Exchange Reactions. <i>Synthesis</i> , 0, 53, .	1.2	1
778	Regioselective Iodine/Zinc Exchange for the Selective Functionalization of Polyiodinated Arenes and Heterocycles in Toluene. <i>Synthesis</i> , 0, , .	1.2	1
779	Regioselective magnesiations of functionalized arenes and heteroarenes using TMP ₂ Mg in hydrocarbons. <i>Chemical Communications</i> , 2022, 58, 8774-8777.	2.2	1
780	Expeditious Functionalization of Quinolines in Positions 2 and 8 via Polyfunctional Aryl- and Heteroarylmagnesium Intermediates. <i>ChemInform</i> , 2003, 34, no.	0.1	0
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785	Cluster Preface: Resurgence of Synthetic Aromatic Chemistry. <i>Synlett</i> , 2015, 26, 2782-2783.	1.0	0
786	Front Cover: Zinc-Catalyzed Esterification of N- β -Hydroxyethylamides: Removal of Directing Groups under Mild Conditions (<i>Eur. J. Org. Chem.</i> 34/2017). <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4995-4995.	1.2	0
787	Cobalt-Catalyzed Cross-Couplings and Electrophilic Aminations using Organozinc Pivalates. <i>ChemCatChem</i> , 2019, 11, 5157-5157.	1.8	0
788	Eisenvermittelte elektrophile Aminierung von Organozink-Halogeniden mit organischen Aziden. <i>Angewandte Chemie</i> , 2020, 132, 343-346.	1.6	0
789	Titelbild: Herstellung funktioneller Aryl-, Heteroaryl- und benzyliischer Organokaliumspezies mittels Kaliumdiisopropylamid im kontinuierlichen Durchfluss (<i>Angew. Chem.</i> 30/2020). <i>Angewandte Chemie</i> , 2020, 132, 12321-12321.	1.6	0
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792	Frontispiece: (2-Ethylhexyl)sodium: A Hexane-Soluble Reagent for Br/Na-Exchanges and Directed Metalations in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0

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793	Frontispiz: (2-Ethylhexyl)natrium: Ein hexanlösliches Reagenz für Br/Na-Austauschreaktionen und dirigierte Metallierungen im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
794	Regioselective Amination or Alkoxylation of Halogenated Amino-, Thio- or Alkoxy pyridines via Pyridyne Intermediates. <i>Synthesis</i> , 0, , .	1.2	0
795	Herstellung von primären und sekundären Dialkylmagnesiumverbindungen durch eine radikalische I/Mg-Austauschreaktion mit <i>i</i> -Bu ₂ Mg in Toluol. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
796	Preparation of Functionalized Amides using Dicarbamoylzincs. <i>Angewandte Chemie</i> , 0, , .	1.6	0
797	Regioselective Magnesiations of Fluorinated Arenes and Heteroarenes Using Magnesium-bis- <i>i</i> -Propylamide (MBDA) in Hydrocarbons. <i>Angewandte Chemie</i> , 0, , .	1.6	0