

Paul Knochel

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ext. citations

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L-index

#	Paper	IF	Citations
832	Preparation and reactions of polyfunctional organozinc reagents in organic synthesis. <i>Chemical Reviews</i> , 1993 , 93, 2117-2188	68.1	874
831	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, 3333-6	16.4	705
830	Highly functionalized organomagnesium reagents prepared through halogen-metal exchange. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4302-20	16.4	608
829	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	4.2	568
828	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, 2958-61	16.4	410
827	Enantioselective, copper(I)-catalyzed three-component reaction for the preparation of propargylamines. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5763-6	16.4	402
826	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, 6040-4	16.4	357
825	A photoconductive thienothiophene-based covalent organic framework showing charge transfer towards included fullerene. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2920-4	16.4	332
824	Regio- and chemoselective metalation of arenes and heteroarenes using hindered metal amide bases. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9794-824	16.4	310
823	Mild and stereoselective hydroborations of functionalized alkynes and alkenes using pinacolborane. <i>Journal of Organic Chemistry</i> , 1992 , 57, 3482-3485	4.2	290
822	Eine LiCl-vermittelte Br/Mg-Austauschreaktion zur Herstellung funktionalisierter Aryl- und Heteroarylmagnesium-Verbindungen ausgehend von organischen Bromiden. <i>Angewandte Chemie</i> , 2004 , 116, 3396-3399	3.6	257
821	Recent Developments in Negishi Cross-Coupling Reactions. <i>ACS Catalysis</i> , 2016 , 6, 1540-1552	13.1	253
820	Organozinc mediated reactions. <i>Tetrahedron</i> , 1998 , 54, 8275-8319	2.4	253
819	Enantioselective synthesis of propargylamines by copper-catalyzed addition of alkynes to enamines. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2535-8	16.4	251
818	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	16.4	247
817	(tmp)(2)Zn x 2 MgCl(2) x 2 LiCl: a chemoselective base for the directed zination of sensitive arenes and heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7685-8	16.4	228
816	New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4414-4435	16.4	226

815	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	16.4	217
814	Synthesis of polyfunctional indoles and related heterocycles mediated by cesium and potassium bases. <i>Tetrahedron</i> , 2003 , 59, 1571-1587	2.4	216
813	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	16.4	204
812	Synthese hoch funktionalisierter Organomagnesiumreagentien durch Halogen-Metall-Austausch. <i>Angewandte Chemie</i> , 2003 , 115, 4438-4456	3.6	204
811	Highly efficient reagents for Br/Mg exchange. <i>Angewandte Chemie - International Edition</i> , 2005 , 45, 159-62	16.4	202
810	Room temperature synthesis of covalent-organic framework films through vapor-assisted conversion. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1016-9	16.4	192
809	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	4.2	192
808	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, 6802-6	16.4	188
807	Synthesis of well-ordered COF monolayers: surface growth of nanocrystalline precursors versus direct on-surface polycondensation. <i>ACS Nano</i> , 2011 , 5, 9737-45	16.7	184
806	Isoreticular two-dimensional covalent organic frameworks synthesized by on-surface condensation of diboronic acids. <i>ACS Nano</i> , 2012 , 6, 7234-42	16.7	180
805	Versatile Indole Synthesis by a 5-endo-dig Cyclization Mediated by Potassium or Cesium Bases We thank the DFG (Leibniz-Programm) and the Fonds der Chemischen Industrie for generous financial support. A.L.R. and C. K. thank the Humboldt-Foundation and the BASF AG, respectively, for fellowships. W.D. was supported by the BMBF program (03 D 0056 2). We thank Dr. J. Henkelmann	16.4	179
804	An Efficient Nickel-Catalyzed Cross-Coupling Between sp ² -Carbon Centers. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2387-2390; 2488-2490	16.4	176
803	Copper-catalyzed aerobic oxidation of alcohols under fluorous biphasic conditions. <i>Tetrahedron Letters</i> , 2000 , 41, 4343-4346	2	174
802	Direct magnesiation of polyfunctionalized arenes and heteroarenes using (tmp)(2)Mg x 2LiCl. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7681-4	16.4	169
801	Practical highly enantioselective synthesis of propargylamines through a copper-catalyzed one-pot three-component condensation reaction. <i>Chemistry - A European Journal</i> , 2006 , 12, 4380-92	4.8	166
800	Gemischte Mg/Li-Amide des Typs R ₂ NMgCl?LiCl als hoch effiziente Basen zur regioselektiven Synthese funktionalisierter Aryl- und Heteroarylmagnesium-Verbindungen. <i>Angewandte Chemie</i> , 2006 , 118, 3024-3027	3.6	166
799	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	4.2	166
798	Modern Amination Reactions. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4166-4176	3.2	164

797	TMPZnCl.LiCl: a new active selective base for the directed zincation of sensitive aromatics and heteroaromatics. <i>Organic Letters</i> , 2009 , 11, 1837-40	6.2	158
796	Copper-catalysed aerobic oxidation of alcohols using fluorous biphasic catalysis. <i>Tetrahedron</i> , 2002 , 58, 3985-3991	2.4	156
795	Preparation of new polyfunctional magnesiated heterocycles using a chlorine-, bromine-, or iodine-magnesium exchange. <i>Journal of Organic Chemistry</i> , 2000 , 65, 4618-34	4.2	154
794	A Covalent Organic Framework with 4 nm open pores. <i>Chemical Communications</i> , 2011 , 47, 1707-9	5.8	153
793	New Efficient Nickel-Catalyzed Cross-Coupling Reaction between Two Csp(3) Centers. <i>Journal of Organic Chemistry</i> , 1999 , 64, 3544-3553	4.2	150
792	Oriented thin films of a benzodithiophene covalent organic framework. <i>ACS Nano</i> , 2014 , 8, 4042-52	16.7	149
791	Effiziente Synthese funktionalisierter zinkorganischer Verbindungen durch direkte Insertion von Zink in organische Bromide und Iodide. <i>Angewandte Chemie</i> , 2006 , 118, 6186-6190	3.6	148
790	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, 7192-202	4.8	145
789	Enantioselective Preparation of C2-Symmetrical Ferrocenyl Ligands for Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 1998 , 4, 950-968	4.8	145
788	Highly functionalized benzene syntheses by directed mono or multiple magnesiations with TMPMgCl.LiCl. <i>Organic Letters</i> , 2006 , 8, 5673-6	6.2	144
787	Radical catalysis of Kumada cross-coupling reactions using functionalized Grignard reagents. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 205-9	16.4	142
786	Cesium hydroxide catalyzed addition of alcohols and amine derivatives to alkynes and styrene. <i>Tetrahedron Letters</i> , 1999 , 40, 6193-6195	2	140
785	An efficient synthesis of diaryl ketones by iron-catalyzed arylation of aroyl cyanides. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2968-70	16.4	139
784	Ferrocenyl Ligands with Two Phosphanyl Substituents in the π -positions for the Transition Metal Catalyzed Asymmetric Hydrogenation of Functionalized Double Bonds. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3212-3215	16.4	138
783	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	4.2	138
782	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	16.4	135
781	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	16.4	132
780	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	16.4	131

779	A New Nickel-Catalyzed Cross-Coupling Reaction between sp ³ Carbon Centers. <i>Angewandte Chemie International Edition in English</i> , 1996 , 34, 2723-2725	129
778	LiCl-mediated preparation of highly functionalized benzylic zinc chlorides. <i>Organic Letters</i> , 2008 , 10, 1107-1110	128
777	Iron-catalyzed aryl-aryl cross-couplings with magnesium-derived copper reagents. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1654-8	16.4 128
776	New Cobalt- and Iron-Catalyzed Reactions of Organozinc compounds. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1700-1701	127
775	Nucleophilic catalysis of the iodine-zinc exchange reaction: preparation of highly functionalized diaryl zinc compounds. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1017-21	16.4 125
774	MgCl ₂ -accelerated addition of functionalized organozinc reagents to aldehydes, ketones, and carbon dioxide. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4665-8	16.4 123
773	Cobalt(II)-catalyzed cross-coupling between polyfunctional arylcopper reagents and aryl fluorides or tosylates. <i>Organic Letters</i> , 2006 , 8, 725-8	6.2 123
772	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, 843-52	4.8 123
771	Highly stereoselective anti SN ₂ P substitutions of (Z)-allylic pentafluorobenzoates with polyfunctionalized zinc-copper reagents. <i>Organic Letters</i> , 2003 , 5, 2111-4	6.2 123
770 ^o	Strategies to prepare and use functionalized organometallic reagents. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4253-69	4.2 121
769	Transition Metal Catalyzed Oxidations in Perfluorinated Solvents. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1454-1456	121
768	New P,N ligands for asymmetric Ir-catalyzed reactions. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3941-3	16.4 121
767	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, 7380-2	4.2 119
766	A general method for meta and para functionalization of arenes using TMP ₂ Mg ₂ LiCl. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1503-7	16.4 119
765	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, 125-30	17.6 118
764	Regio- und chemoselektive Metallierung von Arenen und Heteroarenen mit gehinderten Metallamidbasen. <i>Angewandte Chemie</i> , 2011 , 123, 9968-9999	3.6 117
763	Synthesis of enantiomerically enriched propargylamines by copper-catalyzed addition of alkynes to enamines. <i>Chemistry - A European Journal</i> , 2003 , 9, 2797-2811	4.8 114
762	Highly diastereoselective arylations of substituted piperidines. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4774-7	16.4 113

761	New Nickel-Catalyzed Carbozincation of Alkynes: A Short Synthesis of (Z)-Tamoxifen. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 93-95	113
760	Stereoselective preparation of functionalized acyclic alkenylmagnesium reagents using i-PrMgCl.LiCl. <i>Organic Letters</i> , 2004 , 6, 4215-7	6.2 112
759	Highly selective metalations of pyridines and related heterocycles using new frustrated Lewis pairs or tmp-zinc and tmp-magnesium bases with BF3.OEt2. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5451-5	16.4 111
758	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	2 111
757	Convenient electrophilic fluorination of functionalized aryl and heteroaryl magnesium reagents. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2215-8	16.4 110
756	New Efficient Nickel- and Palladium-Catalyzed Cross-Coupling Reactions Mediated by Tetrabutylammonium Iodide. <i>Organic Letters</i> , 1999 , 1, 1323-1326	6.2 110
755	Palladium-Catalyzed Cross-Coupling Reactions with Aryl Nonaflates: A Practical Alternative to Aryl Triflates. <i>Journal of Organic Chemistry</i> , 1998 , 63, 203-208	4.2 109
754	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, 5376-7	16.4 108
753	Chemoselective benzylic C-H activations for the preparation of condensed N-heterocycles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3462-5	16.4 108
752	Functionalized magnesium organometallics as versatile intermediates for the synthesis of polyfunctional heterocycles. <i>Chemical Communications</i> , 2006 , 583-93	5.8 107
751	An efficient silane-promoted nickel-catalyzed amination of aryl and heteroaryl chlorides. <i>Journal of Organic Chemistry</i> , 2008 , 73, 1429-34	4.2 106
750	A new preparation of highly functionalized aromatic and heteroaromatic zinc and copper organometallics. <i>Tetrahedron Letters</i> , 1990 , 31, 4413-4416	2 106
749	Sulfoxide-alkene hybrids: a new class of chiral ligands for the Hayashi-Miyaura reaction. <i>Organic Letters</i> , 2011 , 13, 3182-5	6.2 105
748	Regio- and chemoselective multiple functionalization of pyrimidine derivatives by selective magnesiations using TMPPMgCl.LiCl. <i>Organic Letters</i> , 2008 , 10, 2497-500	6.2 105
747	Lewis acid-triggered selective zirconation of chromones, quinolones, and thiochromones: application to the preparation of natural flavones and isoflavones. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13584-7	16.4 104
746	Copper(I)-Catalyzed Enantioselective Substitution of Allyl Chlorides with Diorganozinc Compounds. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 379-381	16.4 104
745	Continuous Preparation of Arylmagnesium Reagents in Flow with Inline IR Monitoring. <i>Organic Process Research and Development</i> , 2012 , 16, 1102-1113	3.9 103
744	Negishi cross-couplings of unsaturated halides bearing relatively acidic hydrogen atoms with organozinc reagents. <i>Organic Letters</i> , 2008 , 10, 2765-8	6.2 103

743	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	101
742	Transition-metal-free homocoupling of organomagnesium compounds. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5010-4	16.4 101
741	The reactivity of the highly functionalized copper, zinc reagents $\text{RCu}(\text{CN})\text{ZnI}$ toward 1-haloalkynes and acetylenic esters. <i>Tetrahedron Letters</i> , 1989 , 30, 4799-4802	2 101
740	L ₃ Be-Lanthanoid-Salze ($\text{LnCl}_3 \cdot 2 \text{LiCl}$) f _{ür} die verbesserte Addition magnesiumorganischer Reagentien an Carbonylverbindungen. <i>Angewandte Chemie</i> , 2006 , 118, 511-515	3.6 100
739	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	2.9 100
738	Practical highly enantioselective synthesis of terminal propargylamines. An expeditious synthesis of (S)-(+)-coniine. <i>Chemical Communications</i> , 2004 , 2324-5	5.8 99
737	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, 9390-1	16.4 99
736	Stereoselective Reactions Mediated by Functionalized Diorganozincs. <i>Synlett</i> , 1995 , 1995, 393-403	2.2 99
735	New P,N-ferrocenyl ligands for the asymmetric Ir-catalyzed hydrogenation of imines. <i>Organic Letters</i> , 2007 , 9, 3089-92	6.2 98
734	Fe(III)-Catalyzed Cross-Coupling Between Functionalized Arylmagnesium Compounds and Alkenyl Halides. <i>Synlett</i> , 2001 , 2001, 1901-1904	2.2 98
733	Regio- and chemoselective metalation of chloropyrimidine derivatives with $\text{TMPPMgCl} \times \text{LiCl}$ and $\text{TMP}(2)\text{Zn} \times 2 \text{MgCl}(2) \times 2 \text{LiCl}$. <i>Chemistry - A European Journal</i> , 2009 , 15, 1468-77	4.8 97
732	Stereoselective Synthesis of Heterocyclic Zinc Reagents via a Nickel-Catalyzed Radical Cyclization. <i>Journal of Organic Chemistry</i> , 1996 , 61, 5743-5753	4.2 96
731	(tmp) ₂ Zn ₂ MgCl ₂ LiCl: eine chemoselektive Base f _{ür} die gezielte Zinkierung von empfindlichen Arenen und Heteroarenen. <i>Angewandte Chemie</i> , 2007 , 119, 7829-7832	3.6 95
730	Preparation of polyfunctional arylmagnesium reagents bearing a triazene moiety. A new carbazole synthesis. <i>Organic Letters</i> , 2005 , 7, 2543-6	6.2 95
729	Catalytic Asymmetric Addition of Polyfunctional Dialkylzincs to .beta.-Stannylated and .beta.-Silylated Unsaturated Aldehydes. <i>Journal of Organic Chemistry</i> , 1994 , 59, 4143-4153	4.2 94
728	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	4.2 94
727	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, 645-8	16.4 93
726	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, 7648-51	16.4 93

725	Synthesis of Bicyclo[1.1.1]pentane Bioisosteres of Internal Alkynes and para-Disubstituted Benzenes from [1.1.1]Propellane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12774-12777	16.4	92
724	Efficient chromium(II)-catalyzed cross-coupling reactions between Csp ² centers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15346-9	16.4	91
723	Lewis acid promoted benzylic cross-couplings of pyridines with aryl bromides. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7686-90	16.4	91
722	Palladium- and nickel-catalyzed cross-couplings of unsaturated halides bearing relatively acidic protons with organozinc reagents. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8422-36	4.2	91
721	Hocheffiziente Reagentien für den Brom-Magnesium-Austausch. <i>Angewandte Chemie</i> , 2006 , 118, 165-169	3.6	91
720	Neue Anwendungen für polyfunktionalisierte Organometallverbindungen in der organischen Synthese. <i>Angewandte Chemie</i> , 2000 , 112, 4584-4606	3.6	91
719	Selective mono- and polymethylene homologations of copper reagents using (iodomethyl)zinc iodide. <i>Journal of Organic Chemistry</i> , 1993 , 58, 2694-2713	4.2	91
718	Synthesis of functionalized diarylmethanes via a copper-catalyzed cross-coupling of arylmagnesium reagents with benzylic phosphates. <i>Organic Letters</i> , 2006 , 8, 4121-4	6.2	90
717	Stereoselective C-glycosylation reactions with arylzinc reagents. <i>Organic Letters</i> , 2012 , 14, 1480-3	6.2	89
716	Syntheses of substituted pyridines, quinolines and diazines via palladium-catalyzed cross-coupling of aryl Grignard reagents. <i>Tetrahedron</i> , 2002 , 58, 4429-4438	2.4	89
715	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, 4958-61	16.4	88
714	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, 4945-9	16.4	87
713	Preparation and reactions of new zinkated nitrogen-containing heterocycles. <i>Tetrahedron</i> , 1997 , 53, 7237-725487		
712	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, 7106-15	4.2	87
711	New polyfunctional magnesium reagents for organic synthesis. <i>Chemistry - A European Journal</i> , 2000 , 6, 767-70	4.8	87
710	Bisilyl Diorganozinc Compounds: A New Class of Useful Zinc Reagents. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1496-1498		86
709	t-BuOK-catalyzed addition phosphines to functionalized alkenes: a convenient synthesis of polyfunctional phosphine derivatives. <i>Tetrahedron Letters</i> , 2002 , 43, 5817-5819	2	86
708	Palladium-catalyzed iodine-zinc exchange reactions. A new palladium-mediated intramolecular carbozincation of alkenes. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7027-7028	16.4	86

707	A new approach to boron-stabilized organometallics. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7431-7433	16.4	86
706	Preparation and reactions of functionalized benzylic organometallics of zinc and copper. <i>Organometallics</i> , 1990 , 9, 3053-3064	3.8	86
705	Highly Enantioselective Addition of Mixed Diorganozincs to Aldehydes. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7895-7898	4.2	84
704	Darstellung hochfunktionalisierter Grignard-Reagentien durch eine Iod-Magnesium-Austauschreaktion und ihre Anwendung in der Festphasensynthese. <i>Angewandte Chemie</i> , 1998 , 110, 1801-1803	3.6	84
703	Preparation of polyfunctional arynes via 2-magnesiated diaryl sulfonates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4364-6	16.4	84
702	Highly enantioselective copper-catalyzed substitution of allylic chlorides with diorganozincs. <i>Tetrahedron Letters</i> , 2000 , 41, 9233-9237	2	83
701	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	2.4	83
700	Iron-catalyzed cross-coupling of N-heterocyclic chlorides and bromides with arylmagnesium reagents. <i>Organic Letters</i> , 2012 , 14, 4818-21	6.2	82
699	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	16.4	82
698	Preparation of functionalized organoaluminiums by direct insertion of aluminium to unsaturated halides. <i>Nature Chemistry</i> , 2010 , 2, 313-8	17.6	81
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144	LaCl ₃ •LiCl-Catalyzed Addition of Grignard Reagents to Ketones. <i>Synlett</i> , 2009 , 2009, 1433-1436	2.2	8
143	Manganese Organometallics for the Chemoselective Synthesis of Polyfunctional Compounds 2005 , 541-567		8
142	Enantioselective Synthesis of Chiral α -Aminoalkyl-1,2,3-triazoles Using a Three-Component Reaction. <i>Synlett</i> , 2005 , 2005, 2796-2798	2.2	8
141	Functionalized main-group organometallics for organic synthesis. <i>Pure and Applied Chemistry</i> , 2002 , 74, 11-17	2.1	8
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139	Continuous Flow Preparation of (Hetero)benzylic Lithiums via Iodine-Lithium Exchange Reaction under Barbier Conditions. <i>Organic Letters</i> , 2020 , 22, 5895-5899	6.2	8
138	Transition-Metal-Free Synthesis of Polyfunctional Triarylmethanes and 1,1-Diarylalkanes by Sequential Cross-Coupling of Benzal Diacetates with Organozinc Reagents. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10409-10414	16.4	8
137	(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, 14296-14301	16.4	8
136	Milde Cobalt-katalysierte Negishi-Kreuzkupplungen von (Hetero-)Arylzinkreagentien mit (Hetero-)Arylhalogeniden. <i>Angewandte Chemie</i> , 2016 , 128, 3873-3877	3.6	8
135	Selective Zincation of 1,2-Dicyanobenzene and Related Benzonitriles in Continuous Flow Using In Situ Trapping Metalations. <i>Synlett</i> , 2017 , 28, 2817-2822	2.2	7
134	Die Halogen-Samarium-Austauschreaktion: Synthetische Anwendungen und Kinetik. <i>Angewandte Chemie</i> , 2019 , 131, 4086-4090	3.6	7
133	Lewis-Säure-dirigierte regioselektive Metallierungen an Pyridazin. <i>Angewandte Chemie</i> , 2019 , 131, 9344-9348		7
132	Copper- and Cobalt-Catalyzed Syntheses of Thiophene-Based Tertiary Amines. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 3244-3258	3.2	7

131	New Preparation of Benzylic Manganese Chlorides by the Direct Insertion of Magnesium into Benzylic Chlorides in the Presence of MnCl ₂ ·2LiCl. <i>Synlett</i> , 2015 , 26, 514-518	2.2	7
130	Expedient Preparation of Aryllithium and Arylzinc Reagents from Aryl Chlorides Using Lithium 4,4'-Di-tert-Butylbiphenylide and Zinc(II) Chloride. <i>Synthesis</i> , 2015 , 47, 2617-2630	2.9	7
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128	Synthesis and Reactivity of Triazaphenanthrenes. <i>Organic Letters</i> , 2016 , 18, 3158-61	6.2	7
127	Sc(OTf) ₃ -Catalyzed Addition of Bromomagnesium 2-Vinyloxy Ethoxide to Various Aldehydes Leading to Protected Aldol Products. <i>Synlett</i> , 2016 , 27, 1715-1719	2.2	7
126	Cobalt-katalysierte Kreuzkupplung zwischen Alkenylacetaten und Aryl- oder Alkenylzinkpivalaten. <i>Angewandte Chemie</i> , 2018 , 130, 11607-11611	3.6	7
125	Directed Zincation or Magnesiation of 2- and 4-Pyrone and Their Derivatives. <i>Synthesis</i> , 2018 , 50, 4383-4394	7	
124	Iron-Catalyzed Cross-Coupling of Functionalized Benzmanganese Halides with Alkenyl Iodides, Bromides, and Triflates. <i>Organic Letters</i> , 2019 , 21, 8684-8688	6.2	7
123	Preparation of Organoalanes for Organic Synthesis. <i>Topics in Organometallic Chemistry</i> , 2012 , 173-186	0.6	7
122	Directed ortho- and meta-Magnesiation or Zincation of Polyfunctional Aryl Nonaflates. <i>Synlett</i> , 2010 , 2010, 304-308	2.2	7
121	New Preparation and Reactions of Arylaluminum Reagents Using Barbier Conditions. <i>Synlett</i> , 2009 , 2009, 1321-1325	2.2	7
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115	Herstellung von polyfunktionellen Arylzinkreagenzien in Toluol mittels Halogen/Zink-Austauschreaktionen. <i>Angewandte Chemie</i> , 2019 , 131, 13030-13034	3.6	7
114	Milde Chlorhomologisierung von Estern durch Chloracetat-Claisen-Reaktion unter kontinuierlichen Durchflussbedingungen. <i>Angewandte Chemie</i> , 2018 , 130, 17496-17500	3.6	7

113	A Predictive Model Towards Site-Selective Metalations of Functionalized Heterocycles, Arenes, Olefins, and Alkanes using TMPZnCl?LiCl. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14992-14999	164	6
112	Selective Metalation of 1,3-Dithiole-2-thiones: An Effective Preparation of New Symmetrically and Nonsymmetrically Tetraarylated Tetraphiafulvalenes. <i>Synthesis</i> , 2015 , 48, 103-114	2.9	6
111	Regioselective Functionalization of Purine Derivatives at Positions 8 and 6 Using Hindered TMP-Amide Bases of Zn and Mg. <i>Synthesis</i> , 2013 , 45, 3029-3037	2.9	6
110	Efficient Preparation of Polyfunctional Organometallics via Directed ortho-Metalation. <i>Synthesis</i> , 2010 , 2010, 2670-2678	2.9	6
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107	Direct preparation of copper organometallics bearing an aldehyde function via an iodine-copper exchange. <i>Chemical Communications</i> , 2006 , 2486-8	5.8	6
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103	Continuous-Flow Reactions Mediated by Main Group Organometallics. <i>Synlett</i> , 2020 , 31, 1880-1887	2.2	5
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93	Highly Stereoselective Access to Sulfur Derivatives Starting from Zinc I -Organometallics. <i>Synlett</i> , 2006 , 2006, 0792-0794	2.2	5
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91	Highly Stereoselective Cobalt-Catalyzed Allylation of Functionalized Diarylzinc Reagents. <i>Synlett</i> , 2007 , 2007, 1383-1386	2.2	5
90	Preparation of Polyfunctionalized 2,6-Dimethoxypyrimidine Derivatives via Chemo- and Regioselective Direct Zinc Insertion. <i>Synthesis</i> , 2007 , 2007, 3915-3922	2.9	5
89	Stereoselective migration of sterically hindered organoboranes in cyclic and acyclic systems. A stereoselective allylic CH activation reaction. <i>Tetrahedron</i> , 2003 , 59, 9187-9198	2.4	5
88	Selective transformations mediated by main-group organometallics. <i>Pure and Applied Chemistry</i> , 2000 , 72, 1699-1703	2.1	5
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85	Natriierung von Substituierten Acrylonitrilen, Alkenylsulfiden und Acrylaten im Kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , 2021 , 133, 742-746	3.6	5
84	Preparation and reactions of polyfunctional magnesium and zinc organometallics in organic synthesis. <i>Chemical Science</i> , 2021 , 12, 6011-6019	9.4	5
83	Magnesium Aldimines Prepared by Addition of Organomagnesium Halides to 2,4,6-Trichlorophenyl Isocyanide: Synthesis of 1,2-Dicarbonyl Derivatives. <i>Chemistry - A European Journal</i> , 2019 , 25, 9415-9418	4.8	4
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81	Palladium-Catalyzed Cross-Coupling between 7-Azaindoles and Reformatsky Reagents. <i>Synthesis</i> , 2015 , 47, 692-700	2.9	4
80	Regio- and diastereoselective reactions of chiral secondary alkylcopper reagents with propargylic phosphates: preparation of chiral allenes. <i>Chemical Science</i> , 2020 , 11, 5328-5332	9.4	4
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70	Synthesis of Chiral α -Aminoalkylpyrimidines Using an Enantioselective Three-Component Reaction. <i>Synthesis</i> , 2004 , 2004, 2015-2025	2.9	4
69	Highly Enantioselective Synthesis of Propargylamines Using (Mesitylmethyl)Benzylamine. <i>Synlett</i> , 2005 , 2005, 2799-2801	2.2	4
68	Stereoselective anti-SN2?-Substitutions of Secondary Alkylcopper-Zinc Reagents with Allylic Epoxides: Total Synthesis of (3S,6R,7S)-Zingiberenol. <i>Synthesis</i> , 2020 , 52, 873-881	2.9	4
67	Hoch regioselektive Fernlithierung von funktionalisierten 1,3-bissilylierten Arenen. <i>Angewandte Chemie</i> , 2019 , 131, 1852-1856	3.6	4
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63	Preparation of 2PDeoxy-2Pspirocyclopropylcytidine via an Alternative Cyclopropanation Reaction. <i>Journal of Organic Chemistry</i> , 2019 , 84, 4910-4914	4.2	3
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56	Preparation of Polyfunctional Aryl Triazenes via a Direct Insertion Reaction of Zn in the Presence of LiCl. <i>Synlett</i> , 2007 , 2007, 2081-2085	2.2	3
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52	Functionalized Organoborane Derivatives in Organic Synthesis 2005 , 45-108		3
51	Polyfunctional Tin Organometallics for Organic Synthesis 2005 , 203-249		3
50	A General Thiolation of Magnesium Organometallics Using Tetramethylthiuram Disulfide. <i>Synlett</i> , 2005 , 2005, 2691-2693	2.2	3
49	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	2.2	3
48	Iron-Catalyzed Cross-Coupling of -(aryl)manganese Nucleophiles with Alkenyl Halides: Optimization and Mechanistic Investigations. <i>Molecules</i> , 2020 , 25,	4.8	3
47	Directed regioselective <i>P</i> magnesiations of aromatics and heterocycles using BuMg in toluene. <i>Chemical Science</i> , 2021 , 12, 8424-8429	9.4	3
46	Recent Advances in Cross-Couplings of Functionalized Organozinc Reagents. <i>Synthesis</i> ,	2.9	3
45	Regioselective difunctionalization of pyridines 3,4-pyridynes. <i>Chemical Science</i> , 2021 , 12, 6143-6147	9.4	3
44	Sp ³ -Phasenfunktionalisierung von Peptiden und Cyclopeptiden mithilfe von Organozinkreagenzien. <i>Angewandte Chemie</i> , 2019 , 131, 8316-8320	3.6	2
43	Diastereo- and Enantioselective Cross-Couplings of Secondary Alkylcopper Reagents with 3-Halogeno-Unsaturated Carbonyl Derivatives. <i>Chemistry - A European Journal</i> , 2020 , 26, 11971-11973	4.8	2
42	Iron-Catalyzed C(sp ²) \square (sp ³) Cross-Coupling Reactions of Di(hetero)arylmanganese Reagents and Primary and Secondary Alkyl Halides. <i>Synlett</i> , 2018 , 29, 65-70	2.2	2

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40	Preparation of Functionalized 2,7-Naphthyridines by Directed Lithiation with (2,2,6,6-Tetramethylpiperidyl)lithium and Their Regioselective Iron-Catalyzed Cross Couplings. <i>Synlett</i> , 2016 , 27, 231-236	2.2	2
39	Steric-Hindrance Triggered Remote Lithiations of Bulky Silyl-Substituted Arenes. <i>Synthesis</i> , 2019 , 51, 3536-3544	2.9	2
38	Synthesis and Bioactivity of Novel N-Benzylid and N-Phenethylid Ephedrine Derivatives. <i>Synthesis</i> , 2017 , 49, 5159-5166	2.9	2
37	A Novel Palladium-Catalyzed Cross-Coupling of Thiomethylated Alkynes with Functionalized Organozinc Reagents. <i>Synthesis</i> , 2010 , 2010, 2085-2091	2.9	2
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33	Iodine-Magnesium Exchange on Unprotected Imidazoles in the Presence of LiCl. <i>Synlett</i> , 2007 , 2007, 0980-0982	2.2	2
32	Stereoselective Preparation of Functionalized Unsaturated Lactones and Esters via Functionalized Magnesium Carbenoids. <i>Synthesis</i> , 2003 , 2003, 1797-1802	2.9	2
31	Aerobic Ru-Catalyzed Epoxidations in Fluorous Biphasic System Using New Fluorous Benzimidazolic Ligands. <i>Synlett</i> , 2004 , 2004, 951-954	2.2	2
30	Polyfunctional 1,1-Organodimetallic for Organic Synthesis 2005 , 347-377	2	
29	Preparation and Reactions of Highly Functionalized Bis-Arylzinc Reagents Using a Li(acac)-Catalyzed Iodine-Zinc Exchange. <i>Synthesis</i> , 2005 , 2005, 2625-2629	2.9	2
28	Polyfunctional Silicon Organometallics for Organic Synthesis 2005 , 173-202	2	
27	General stereoretentive preparation of chiral secondary mixed alkylmagnesium reagents and their use for enantioselective electrophilic aminations. <i>Chemical Science</i> , 2021 , 13, 44-49	9.4	2
26	Stereoselektive C(sp ³)-C(sp ²)-Kreuzkupplungen von chiralen sekundären Alkylzinkreagenzien mit Alkenyl- und Arylhalogeniden. <i>Angewandte Chemie</i> , 2020 , 132, 328-332	3.6	2
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21	Cobalt-katalysierte Kreuzkupplung funktionalisierter Alkylzinkreagenzien mit (Hetero-)Arylhalogeniden. <i>Angewandte Chemie</i> , 2020 , 132, 5591-5595	3.6	1
20	Generation and Trapping of Functionalized Aryl- and Heteroarylmagnesium and -Zinc Compounds 2019 , 63-120		1
19	Synthesis of (4?R)-Azido-(2?R)-2?-Deoxy-2?-C-Methyluridine and Its Esters by Direct Iodide Displacement. <i>Synlett</i> , 2013 , 24, 1697-1701	2.2	1
18	Functionalized Organozirconium and Titanium in Organic Synthesis 2005 , 503-540		1
17	Polyfunctional Metal Carbenes for Organic Synthesis 2005 , 451-502		1
16	Functional Organonickel Reagents 2005 , 397-449		1
15	Bergangsmetallfreie Synthese polyfunktioneller Triarylmethane und 1,1-Diarylalkane durch sequentielle Kreuzkupplungen von Benzalacetaten mit Organozinkreagenzien. <i>Angewandte Chemie</i> , 2021 , 133, 10499-10505	3.6	1
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