

# Paul Knochel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

832  
papers

40,564  
citations

98  
h-index

148  
g-index

877  
ext. papers

44,994  
ext. citations

6.4  
avg, IF

7.75  
L-index

#	Paper	IF	Citations
832	General stereoretentive preparation of chiral secondary mixed alkylmagnesium reagents and their use for enantioselective electrophilic aminations.. <i>Chemical Science</i> , <b>2021</b> , 13, 44-49	9.4	2
831	Bergangsmetallfreie Synthese polyfunktioneller Triarylmethane und 1,1-Diarylalkane durch sequentielle Kreuzkupplungen von Benzalacetaten mit Organozinkreagenzien. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10499-10505	3.6	1
830	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> , <b>2021</b> , 60, 10409-10414	16.4	8
829	(2-Ethylhexyl)sodium: A Hexane-Soluble Reagent for Br/Na-Exchanges and Directed Metalations in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14296-14301	16.4	8
828	(2-Ethylhexyl)natrum: Ein hexanlösliches Reagenz für Br/Na-Austauschreaktionen und dirigierte Metallierungen im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14416-14421	3.6	1
827	Continuous Flow Sodiation of Substituted Acrylonitriles, Alkenyl Sulfides and Acrylates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 731-735	16.4	10
826	Regioselective Bromine/Magnesium Exchange for the Selective Functionalization of Polyhalogenated Arenes and Heterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1513-1518	16.4	9
825	Regioselektiver Brom/Magnesium-Austausch für die selektive Funktionalisierung von polyhalogenierten Arenen und Heterozyklen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 1536-1541	3.6	4
824	Natriierung von Substituierten Acrylonitrilen, Alkenylsulfiden und Acrylaten im Kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 742-746	3.6	5
823	Halogen/Lithium Exchange of Sensitive (Hetero)aromatic Halides under Barbier Conditions in a Continuous Flow Set-Up. <i>Synthesis</i> , <b>2021</b> , 53, 557-568	2.9	1
822	Preparation and reactions of polyfunctional magnesium and zinc organometallics in organic synthesis. <i>Chemical Science</i> , <b>2021</b> , 12, 6011-6019	9.4	5
821	Directed regioselective $\text{P}(\text{Mg})_2$ -magnesiations of aromatics and heterocycles using $\text{BuMg}$ in toluene. <i>Chemical Science</i> , <b>2021</b> , 12, 8424-8429	9.4	3
820	Continuous Flow Acylation of (Hetero)aryllithiums with Polyfunctional N,N-Dimethylamides and Tetramethylurea in Toluene. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13977-13981	4.8	2
819	Regioselective difunctionalization of pyridines 3,4-pyridynes. <i>Chemical Science</i> , <b>2021</b> , 12, 6143-6147	9.4	3
818	Selective functionalization of the 1-imidazo[1,2-]pyrazole scaffold. A new potential non-classical isostere of indole and a precursor of push-pull dyes. <i>Chemical Science</i> , <b>2021</b> , 12, 12993-13000	9.4	2
817	Continuous-Flow Reactions Mediated by Main Group Organometallics. <i>Synlett</i> , <b>2020</b> , 31, 1880-1887	2.2	5
816	A Predictive Model Towards Site-Selective Metalations of Functionalized Heterocycles, Arenes, Olefins, and Alkanes using $\text{TMPZnCl}_2\text{LiCl}$ . <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14992-14999	16.4	6

815	Regio- and diastereoselective reactions of chiral secondary alkylcopper reagents with propargylic phosphates: preparation of chiral allenes. <i>Chemical Science</i> , <b>2020</b> , 11, 5328-5332	9.4	4
814	Diastereo- and Enantioselective Cross-Couplings of Secondary Alkylcopper Reagents with 3-Halogeno-Unsaturated Carbonyl Derivatives. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11971-11973	4.8	2
813	Pyrrole-Protected Aminoalkylzinc Reagents for the Enantioselective Synthesis of Amino-Derivatives. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8951-8957	4.8	4
812	Preparation of Functionalized Aryl, Heteroaryl, and Benzylic Potassium Organometallics Using Potassium Diisopropylamide in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12321-12325	16.4	8
811	Herstellung funktioneller Aryl-, Heteroaryl- und benzylierlicher Organokalium-Spezies mittels Kaliumdiisopropylamid im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12419-12424	3.6	5
810	Cobalt-Catalyzed Csp-Csp Cross-Coupling of Functionalized Alkylzinc Reagents with Alkyl Iodides. <i>Organic Letters</i> , <b>2020</b> , 22, 3028-3032	6.2	9
809	Preparation of Diorganomagnesium Reagents by Halogen-Lithium Exchange of Functionalized Heteroaryl Halides and Subsequent in situ Trapping with MgCl <sub>2</sub> -LiCl in Continuous Flow. <i>Synthesis</i> , <b>2020</b> , 52,	2.9	1
808	Preparation and Reactions of (1H-Tetrazol-5-yl)zinc Pivalates. <i>Synthesis</i> , <b>2020</b> , 52, 2357-2363	2.9	0
807	Preparation of Tertiary Amines from Tris(2-cyanoethyl)amine Using Three Successive Cobalt-Catalyzed Electrophilic Aminations with Organozinc Halides. <i>Organic Letters</i> , <b>2020</b> , 22, 1947-1950	6.2	4
806	Cobalt-katalysierte Kreuzkupplung funktionalisierter Alkylzinkreagenzien mit (Hetero-)Arylhalogeniden. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5591-5595	3.6	1
805	Stereoselective Cobalt-Catalyzed Cross-Coupling Reactions of Arylzinc Chlorides with Bromolactones and Related Derivatives. <i>Organic Letters</i> , <b>2020</b> , 22, 1286-1289	6.2	10
804	Iron-Catalyzed Cross-Coupling of -(aryl)manganese Nucleophiles with Alkenyl Halides: Optimization and Mechanistic Investigations. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
803	Functionalization of 1,3,4-Oxadiazoles and 1,2,4-Triazoles via Selective Zincation or Magnesiation Using 2,2,6,6-Tetramethylpiperidyl Bases. <i>Organic Letters</i> , <b>2020</b> , 22, 1899-1902	6.2	11
802	Eisenvermittelte elektrophile Aminierung von Organozink-Halogeniden mit organischen Aziden. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 343-346	3.6	
801	Cobalt-Catalyzed Cross-Coupling of Functionalized Alkylzinc Reagents with (Hetero)Aryl Halides. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5546-5550	16.4	13
800	Selective Acylation of Aryl- and Heteroarylmagnesium Reagents with Esters in Continuous Flow. <i>Organic Letters</i> , <b>2020</b> , 22, 493-496	6.2	9
799	Recent Advances of the Halogen-Zinc Exchange Reaction. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3688-3697	14	
798	Stereoselektive C(sp <sup>3</sup> )-C(sp <sup>2</sup> )-Kreuzkupplungen von chiralen sekundären Alkylzinkreagenzien mit Alkenyl- und Arylhalogeniden. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 328-332	3.6	2

797	Stereoselective anti-SN2?-Substitutions of Secondary Alkylcopper-Zinc Reagents with Allylic Epoxides: Total Synthesis of (3S,6R,7S)-Zingiberenol. <i>Synthesis</i> , <b>2020</b> , 52, 873-881	2.9	4
796	A Predictive Model Towards Site-Selective Metalations of Functionalized Heterocycles, Arenes, Olefins, and Alkanes using TMPZnCl?LiCl. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15102-15109	3.6	2
795	Continuous Flow Preparation of (Hetero)benzylic Lithiums via Iodine-Lithium Exchange Reaction under Barbier Conditions. <i>Organic Letters</i> , <b>2020</b> , 22, 5895-5899	6.2	8
794	Highly Regioselective Addition of Allylic Zinc Halides and Various Zinc Enolates to [1.1.1]Propellane. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20235-20241	16.4	11
793	Hoch regioselektive Addition von allylischen Zinkhalogeniden und verschiedenen Zinkenolaten an [1.1.1]Propellan. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20412-20418	3.6	5
792	Titelbild: Herstellung funktioneller Aryl-, Heteroaryl- und benzylischer Organokalium-Spezies mittels Kaliumdiisopropylamid im kontinuierlichen Durchfluss (Angew. Chem. 30/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12321-12321	3.6	
791	Regioselective functionalization of aryl azoles as powerful tool for the synthesis of pharmaceutically relevant targets. <i>Nature Communications</i> , <b>2020</b> , 11, 4443	17.4	11
790	Iron-Mediated Electrophilic Amination of Organozinc Halides using Organic Azides. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 335-338	16.4	9
789	Stereoselective Csp -Csp Cross-Couplings of Chiral Secondary Alkylzinc Reagents with Alkenyl and Aryl Halides. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 320-324	16.4	9
788	Stereoselective Preparation and Reactions of Chiral Secondary Alkyllithiums. <i>Synthesis</i> , <b>2020</b> , 52, 189-196	9	5
787	Preparation of Polyfunctional Biaryl Derivatives by Cyclolanthanation of 2-Bromobiaryls and Heterocyclic Analogues Using nBu LaCl?4 LiCl. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15631 <sup>16</sup> -15635 <sup>16</sup>	16.4	
786	Thiolation of Pyridine-2-sulfonamides using Magnesium Thiolates. <i>Synthesis</i> , <b>2019</b> , 51, 4452-4462	2.9	3
785	The Halogen-Samarium Exchange Reaction: Synthetic Applications and Kinetics. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4046-4050	16.4	14
784	Die Halogen-Samarium-Austauschreaktion: Synthetische Anwendungen und Kinetik. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4086-4090	3.6	7
783	Preparation of 2PDeoxy-2Pspirocyclopropylcytidine via an Alternative Cyclopropanation Reaction. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 4910-4914	4.2	3
782	Lewis-S?re-dirigierte regioselektive Metallierungen an Pyridazin. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9344-9348	7	7
781	Copper- and Cobalt-Catalyzed Syntheses of Thiophene-Based Tertiary Amines. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3244-3258	3.2	7
780	Lewis Acid Directed Regioselective Metalations of Pyridazine. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9244-9247	16.4	12

779	Chromium-Catalyzed Cross-Couplings and Related Reactions. <i>Synthesis</i> , <b>2019</b> , 51, 2100-2106	2.9	13
778	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> , <b>2019</b> , 25, 9415-9418	4.8	4
777	Spitzenfunktionalisierung von Peptiden und Cyclopeptiden mithilfe von Organozinkreagenzien. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8316-8320	3.6	2
776	Late-Stage Functionalization of Peptides and Cyclopeptides Using Organozinc Reagents. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8231-8234	16.4	14
775	Cobalt-Catalyzed Cross-Couplings and Electrophilic Aminations using Organozinc Pivalates. <i>ChemCatChem</i> , <b>2019</b> , 11, 5188-5197	5.2	13
774	Amination of 2-Pyridinesulfonic and 8-Quinolinesulfonic Acids with Magnesium Amides. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 5165-5168	3.2	4
773	Preparation of Polyfunctional Arylzinc Organometallics in Toluene by Halogen/Zinc Exchange Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12898-12902	16.4	17
772	Cobalt-catalyzed acylation-reactions of (hetero)arylzinc pivalates with thiopyridyl ester derivatives. <i>Chemical Science</i> , <b>2019</b> , 10, 8241-8245	9.4	19
771	Steric-Hindrance Triggered Remote Lithiations of Bulky Silyl-Substituted Arenes. <i>Synthesis</i> , <b>2019</b> , 51, 3536-3544	2.9	2
770	Iron-Catalyzed Cross-Coupling of Functionalized Benzylmanganese Halides with Alkenyl Iodides, Bromides, and Triflates. <i>Organic Letters</i> , <b>2019</b> , 21, 8684-8688	6.2	7
769	Chromium(II)-Catalyzed Diastereoselective and Chemoselective Csp-Csp Cross-Couplings Using Organomagnesium Reagents. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18127-18135	16.4	28
768	Generation and Trapping of Functionalized Aryl- and Heteroaryl magnesium and -Zinc Compounds <b>2019</b> , 63-120	1	
767	Herstellung von polyfunktionellen Biaryl derivaten durch Cyclanthanierung von 2-Bromobiarylen und heterocyclischen Analoga unter Verwendung von nBu2LaCl?4 LiCl. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15777-15782	3.6	5
766	Cobalt-Catalyzed Cross-Couplings and Electrophilic Aminations using Organozinc Pivalates. <i>ChemCatChem</i> , <b>2019</b> , 11, 5157-5157	5.2	
765	Herstellung von polyfunktionellen Arylzinkreagenzien in Toluol mittels Halogen/Zink-Austauschreaktionen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13030-13034	3.6	7
764	Improving the Halogen-Magnesium Exchange by using New Turbo-Grignard Reagents. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2695-2703	4.8	53
763	Late Stage Functionalization of Secondary Amines via a Cobalt-Catalyzed Electrophilic Amination of Organozinc Reagents. <i>Organic Letters</i> , <b>2019</b> , 21, 494-497	6.2	24
762	Practical Ni-Catalyzed Cross-Coupling of Unsaturated Zinc Pivalates with Unsaturated Nonaflates and Triflates. <i>Organic Letters</i> , <b>2019</b> , 21, 36-39	6.2	14

761	Cobalt-Catalyzed Electrophilic Aminations with Anthranils: An Expedient Route to Condensed Quinolines. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 98-103	16.4	52
760	Hoch regioselektive Fernlithiierung von funktionalisierten 1,3-bissilylierten Arenen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1852-1856	3.6	4
759	Copper-Catalyzed Electrophilic Thiolation of Organozinc Halides by Using N-Thiophthalimides Leading to Polyfunctional Thioethers. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3752-3755	4.8	15
758	Regio- and Stereoselective Allylic Substitutions of Chiral Secondary Alkylcopper Reagents: Total Synthesis of (+)-Lasiol, (+)-13-Norfaranal, and (+)-Faranal. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1509-1514	16.4	10
757	Regio- und stereoselektive allylische Substitutionen chiraler sekundärer Alkylkupferverbindungen: Totalsynthese von (+)-Lasiol, (+)-13-Norfaranal und (+)-Faranal. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1523-1527	3.6	4
756	Highly Regioselective Remote Lithiation of Functionalized 1,3-bis-Silylated Arenes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1838-1841	16.4	9
755	Preparation of Optically Enriched Secondary Alkyllithium and Alkylcopper Reagents-Synthesis of (-)-Lardolure and Siphonarienal. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5516-5519	16.4	18
754	Generation of Aryl and Heteroaryl Magnesium Reagents in Toluene by Br/Mg or Cl/Mg Exchange. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6701-6704	16.4	29
753	Diastereoselective Copper-Mediated Cross-Couplings between Stereodefined Secondary Alkylcoppers with Bromoalkynes. <i>Organic Letters</i> , <b>2018</b> , 20, 2365-2368	6.2	12
752	Cobalt-Catalyzed Diastereoselective Cross-Couplings between Alkynylzinc Pivalates and Functionalized Cyclic Iodides or Bromides. <i>Organic Letters</i> , <b>2018</b> , 20, 2441-2444	6.2	23
751	Cobalt-katalysierte elektrophile Aminierung von Aryl- und Heteroarylzinkpivalaten mit N-Hydroxylaminbenzoaten. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1120-1124	3.6	24
750	Herstellung enantiomerenangreicherter sekundärer Alkyllithium- und Alkylkupferverbindungen – Synthese von (-)-Lardolure und Siphonarienal. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5614-5617	3.6	10
749	Regioselective CH Activation of Substituted Pyridines and other Azines using Mg- and Zn-TMP-Bases. <i>SynOpen</i> , <b>2018</b> , 02, 0078-0095	0.7	28
748	Zincation and Magnesiation of Functionalized Silylated CyanoHydrins Using TMP-Bases. <i>Synthesis</i> , <b>2018</b> , 50, 155-169	2.9	8
747	Iron-Catalyzed C(sp <sub>2</sub> )I(sp <sub>3</sub> ) Cross-Coupling Reactions of Di(hetero)arylmanganese Reagents and Primary and Secondary Alkyl Halides. <i>Synlett</i> , <b>2018</b> , 29, 65-70	2.2	2
746	Cobalt-katalysierte Kreuzkupplung zwischen Alkenylacetaten und Aryl- oder Alkenylzinkpivalaten. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11607-11611	3.6	7
745	Preparation and Reactions of Mono- and Bis-Pivaloyloxyzinc Acetylides. <i>Organic Letters</i> , <b>2018</b> , 20, 4601-4605	13	13
744	Regioselective Metalation and Functionalization of the Pyrazolo[1,5- a]pyridine Scaffold Using Mg- and Zn-TMP Bases. <i>Organic Letters</i> , <b>2018</b> , 20, 3114-3118	6.2	17

743	Generierung von Aryl- und Heteroaryl-magnesium-Reagenzien in Toluol mittels Br/Mg- oder Cl/Mg-Austausch. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6811-6815	3.6	14
742	Synthesis of Polyfunctionalized Triaryllanthanum Reagents by Using Ph La and Related Species as Exchange Reagents. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11103-11109	4.8	16
741	Directed Zincation or Magnesiation of 2- and 4-Pyrones and Their Derivatives. <i>Synthesis</i> , <b>2018</b> , 50, 4383-4394	7	
740	Diastereoselective Intramolecular Carbolithiations of Stereodefined Secondary Alkylolithiums Bearing a Remote Alkynylsilane. <i>Organic Letters</i> , <b>2018</b> , 20, 3518-3521	6.2	4
739	Sodiation of Arenes and Heteroarenes in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10748-10751	16.4	26
738	Natriierung von Aromaten und Heteroaromaten im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10908-10911	3.6	11
737	Oriented Films of Conjugated 2D Covalent Organic Frameworks as Photocathodes for Water Splitting. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2085-2092	16.4	217
736	Cobalt-Catalyzed Electrophilic Amination of Aryl- and Heteroaryl-zinc Pivalates with N-Hydroxylamine Benzoates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1108-1111	16.4	61
735	Synthesis of Functionalized Diaryl Sulfides by Cobalt-Catalyzed Coupling between Arylzinc Pivalates and Diaryl Disulfides. <i>Organic Letters</i> , <b>2018</b> , 20, 7581-7584	6.2	26
734	Amination of Phosphorodiamide-Substituted Pyridines and Related N-Heterocycles with Magnesium Amides. <i>Organic Letters</i> , <b>2018</b> , 20, 8057-8060	6.2	10
733	Mild Homologation of Esters through Continuous Flow Chloroacetate Claisen Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 17249-17253	16.4	18
732	Milde Chlorhomologisierung von Estern durch Chloracetat-Claisen-Reaktion unter kontinuierlichen Durchflussbedingungen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 17496-17500	3.6	7
731	Cobalt-Catalyzed Cross-Couplings between Alkenyl Acetates and Aryl or Alkenyl Zinc Pivalates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11436-11440	16.4	28
730	Transition-Metal-Free Amination of Pyridine-2-sulfonyl Chloride and Related N-Heterocycles Using Magnesium Amides. <i>Organic Letters</i> , <b>2017</b> , 19, 536-539	6.2	24
729	Large-Scale Cobalt-Catalyzed Cross-Couplings of Functionalized Bench-Stable Arylzinc Pivalates with (Hetero)Aryl and Alkenyl Halides. <i>Synthesis</i> , <b>2017</b> , 49, 3925-3930	2.9	10
728	Barbier Continuous Flow Preparation and Reactions of Carbamoyllithiums for Nucleophilic Amidation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10280-10284	4.8	21
727	Selective Zincation of 1,2-Dicyanobenzene and Related Benzonitriles in Continuous Flow Using In Situ Trapping Metalations. <i>Synlett</i> , <b>2017</b> , 28, 2817-2822	2.2	7
726	Pore wall fluorescence labeling of covalent organic frameworks. <i>CrystEngComm</i> , <b>2017</b> , 19, 4886-4891	3.3	27

725	Recent Advances in Cobalt-Catalyzed Csp2 and Csp3 Cross-Couplings. <i>Synthesis</i> , <b>2017</b> , 49, 3887-3894	2.9	29
724	Solid Organozinc Pivalates: A New Class of Zinc Organometallics with Greatly Enhanced Air- and Moisture-Stability. <i>Synthesis</i> , <b>2017</b> , 49, 3215-3223	2.9	29
723	Zinc-Catalyzed Esterification of N- $\beta$ -Hydroxyethylamides: Removal of Directing Groups under Mild Conditions. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 5010-5014	3.2	18
722	Herstellung und Anwendung von festen, salzstabilisierten Zinkamidenolaten mit verbesserter Luftstabilität. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4683-4687	3.6	24
721	Practical Large-Scale Regioselective Zincation of Chromone Using TMPZnCl <sub>4</sub> LiCl Triggered by the Presence or Absence of MgCl <sub>2</sub> . <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 660-663	3.9	19
720	Selective Lithiation, Magnesiation, and Zincation of Unsymmetrical Azobenzenes Using Continuous Flow. <i>Organic Letters</i> , <b>2017</b> , 19, 1666-1669	6.2	13
719	Preparation and Application of Solid, Salt-Stabilized Zinc Amide Enolates with Enhanced Air and Moisture Stability. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4612-4616	16.4	32
718	Selective Metalations of 1,4-Dithiins and Condensed Analogues Using TMP-Magnesium and -Zinc Bases. <i>Organic Letters</i> , <b>2017</b> , 19, 360-363	6.2	14
717	A Robust and Broadly Applicable Cobalt-Catalyzed Cross-Coupling of Functionalized Bench-Stable Organozinc Pivalates with Unsaturated Halides. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1102-1106	3.6	16
716	A Robust and Broadly Applicable Cobalt-Catalyzed Cross-Coupling of Functionalized Bench-Stable Organozinc Pivalates with Unsaturated Halides. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1082-1086	16.4	29
715	Synthese von Bicyclo[1.1.1]pentan-Bioisosteren von internen Alkinen und para-disubstituierten Benzolen unter Verwendung von [1.1.1]Propellan. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12949-12953	3.6	28
714	Directed Zincation or Magnesiation of the 2-Pyridone and 2,7-Naphthyridone Scaffold Using TMP Bases. <i>Organic Letters</i> , <b>2017</b> , 19, 5760-5763	6.2	22
713	Preparation of Functionalized Diaryl- and Diheteroaryllanthanum Reagents by Fast Halogen-Lanthanum Exchange. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16390-16394	16.4	18
712	Synthesis and Bioactivity of Novel N-Benzylid and N-Phenethylid Ephedrine Derivatives. <i>Synthesis</i> , <b>2017</b> , 49, 5159-5166	2.9	2
711	Nickel-Catalyzed Cross-Coupling of Functionalized OrganoManganese Reagents with Aryl and Heteroaryl Halides Promoted by 4-Fluorostyrene. <i>Synthesis</i> , <b>2017</b> , 49, 5396-5412	2.9	5
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709	Synthesis of Polyfunctional Diorganomagnesium and Diorganozinc Reagents through In Situ Trapping Halogen-Lithium Exchange of Highly Functionalized (Hetero)aryl Halides in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12770-12773	16.4	24
708	Herstellung fester polyfunktioneller Alkinylzinkpivalate mit verbesselter Luft- und Feuchtigkeitsstabilität. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9364-9368	3.6	8

707	Synthese von Diorganomagnesium- und Diorganozinkverbindungen durch In-Situ-Abfang-Halogen-Lithium-Austausch an hochfunktionalisierten (Hetero)Arylhalogeniden im kontinuierlichen Durchfluss. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12944-12948	3.6	12
706	Zn-, Mg-, and Li-TMP Bases for the Successive Regioselective Metalations of the 1,5-Naphthyridine Scaffold (TMP=2,2,6,6-Tetramethylpiperidyl). <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13046-13050	4.8	25
705	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> , <b>2017</b> , 56, 12774-12777	16.4	92
704	Preparation of Polyfunctional Naphthyridines by Cobalt-Catalyzed Cross-Couplings of Halogenated Naphthyridines with Magnesium and Zinc Organometallics. <i>Organic Letters</i> , <b>2017</b> , 19, 6384-6387	6.2	17
703	Herstellung von funktionalisierten Diaryl- und Diheteroaryl-Lanthanreagenzien mittels eines schnellen Halogen-Lanthan-Austausches. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16608-16612	3.6	15
702	Cobalt-Catalyzed Cross-Couplings of Bench-Stable Alkynylzinc Pivalates with (Hetero)Aryl and Alkenyl Halides. <i>Organic Letters</i> , <b>2017</b> , 19, 3847-3850	6.2	21
701	Preparation of Solid Polyfunctional Alkynylzinc Pivalates with Enhanced Air and Moisture Stability for Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9236-9239	16.4	20
700	Cobalt-Catalyzed Reductive Cross-Coupling Between Styryl and Benzyl Halides. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 250-253	4.8	26
699	Preparation of Polyfunctional Organozinc Halides by an InX - and LiCl-Catalyzed Zinc Insertion to Aryl and Heteroaryl Iodides and Bromides. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 778-782	4.8	8
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696	Iron-Catalyzed Acylation of Polyfunctionalized Aryl- and Benzylzinc Halides with Acid Chlorides. <i>Organic Letters</i> , <b>2016</b> , 18, 3626-9	6.2	15
695	The Preparation and Cross-Coupling Reactions of Organoaluminum Compounds <b>2016</b> , 1-38		
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681	Iron-Catalyzed Cross-Coupling of Benzylic Manganese Chlorides with Aryl and Heteroaryl Halides. <i>Synlett</i> , <b>2016</b> , 27, 471-476	2.2	9
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607	Vollständige Funktionalisierung des Imidazolgerüsts durch selektive Metallierung und Sulfoxid-Magnesium-Austausch. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1454-1458	3.6	5
606	Diastereoselektive Synthese von offenkettigen sekundären Alkyllithiumverbindungen und Abfangreaktionen mit Elektrophilen. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1449-1453	3.6	17
605	Modulable and Highly Diastereoselective Carbometalations of Cyclopropenes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 912-912	4.8	
604	Preparation of Functionalized Lithium, Magnesium, Aluminum, Zinc, Manganese <sup>II</sup> and Indium Organometallics from Functionalized Organic Halides. <i>Synthesis</i> , <b>2014</b> , 46, 3133-3171	2.9	30
603	Synthesis of 1,2-Dimetallic Compounds via Direct Insertion of Zinc Powder in the Presence of InCl <sub>3</sub> : Synthesis of ortho-Bis-functionalized Aromatics. <i>Synthesis</i> , <b>2014</b> , 46, 290-294	2.9	3
602	BF <sub>3</sub> -Mediated Oxidative Cross-Coupling of Pyridines with Alkynyllithium Reagents and Further Reductive Functionalizations of the Pyridine Scaffold. <i>Synthesis</i> , <b>2014</b> , 46, 1374-1379	2.9	5
601	In-situ-Abfangmethode zur Metallierung funktionalisierter Arene und Heteroarene mit TMPLi in Gegenwart von ZnCl <sub>2</sub> und anderen Metallsalzen. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8062-8066	3.6	16
600	Cobalt-mediated diastereoselective cross-coupling reactions between cyclic halohydrins and arylmagnesium reagents. <i>Organic Letters</i> , <b>2014</b> , 16, 6500-3	6.2	34

599	Accelerated Zincations for an Efficient and Mild Functionalization of Aromatics and Heterocycles. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 989-995	5.6	18
598	Generation of functionalized aryl and heteroaryl aluminum reagents by halogen-lithium exchange. <i>Chemical Communications</i> , <b>2013</b> , 49, 6953-5	5.8	15
597	Preparation of functionalized indoles and azaindoles by the intramolecular copper-mediated carbomagnesiation of ynamides. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10084-8	16.4	43
596	Synthesis of solid 2-pyridylzinc reagents and their application in Negishi reactions. <i>Organic Letters</i> , <b>2013</b> , 15, 5754-7	6.2	64
595	Metalated Indoles, Indazoles, Benzimidazoles, and Azaindoles and Their Synthetic Applications. <i>Synthesis</i> , <b>2013</b> , 45, 2343-2371	2.9	16
594	Full functionalization of the 7-azaindole scaffold by selective metalation and sulfoxide/magnesium exchange. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10093-6	16.4	43
593	A convenient alummation of functionalized aromatics by using the frustrated Lewis pair Et <sub>3</sub> Al and TMPMgCl <sup>+</sup> LiCl. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14687-96	4.8	15
592	Efficient chromium(II)-catalyzed cross-coupling reactions between Csp <sup>2</sup> centers. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15346-9	16.4	91
591	Facile synthesis of a mesoporous benzothiadiazole-COF based on a transesterification process. <i>CrystEngComm</i> , <b>2013</b> , 15, 1500	3.3	33
590	Preparation of functionalized organoindium reagents by means of magnesium insertion into organic halides in the presence of InCl <sub>3</sub> at room temperature. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 828-33	4.8	30
589	New preparation of TMPZnCl <sup>+</sup> LiCl by Zn insertion into TMPCl. Application to the functionalization of dibromodiazines. <i>Organic Letters</i> , <b>2013</b> , 15, 1128-31	6.2	45
588	Metalated N-heterocyclic reagents prepared by the frustrated Lewis pair TMPMgCl <sup>+</sup> BF <sub>3</sub> and their addition to aromatic aldehydes and activated ketones. <i>Chemical Communications</i> , <b>2013</b> , 49, 2124-6	5.8	25
587	TMPZnOPiv <sup>+</sup> LiCl: a new base for the preparation of air-stable solid zinc pivalates of sensitive aromatics and heteroaromatics. <i>Organic Letters</i> , <b>2013</b> , 15, 1302-5	6.2	56
586	Ligand-accelerated iron- and cobalt-catalyzed cross-coupling reactions between N-heteroaryl halides and aryl magnesium reagents. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4945-9	16.4	87
585	Transition-metal-free BF <sub>3</sub> -mediated regioselective direct alkylation and arylation of functionalized pyridines using Grignard or organozinc reagents. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4958-61	16.4	88
584	Electrophilic aromatic substitutions of aryltrifluoroborates with retention of the BF <sub>3</sub> - group: quantification of the activating and directing effects of the trifluoroborate group. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6317-24	16.4	44
583	Selective C-H activations using frustrated Lewis pairs. Applications in organic synthesis. <i>Topics in Current Chemistry</i> , <b>2013</b> , 334, 171-90	4	
582	Preparation of stereodefined secondary alkyllithium compounds. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4614-22	4.8	30

581	A photoconductive thienothiophene-based covalent organic framework showing charge transfer towards included fullerene. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2920-4	16.4	332
580	Regioselective metalations of pyrimidines and pyrazines by using frustrated Lewis pairs of $\text{BF}_3\text{:OEt}_2$ and hindered magnesium- and zinc-amide bases. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6776-80	16.4	52
579	Functionalized alkenylzinc reagents bearing carbonyl groups: preparation by direct metal insertion and reaction with electrophiles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9495-9	16.4	24
578	Regioselective functionalization of the oxazole scaffold using TMP-bases of Mg and Zn. <i>Organic Letters</i> , <b>2013</b> , 15, 6162-5	6.2	38
577	Directed Magnesiation of Polyhaloaromatics using the Tetramethylpiperidylmagnesium Reagents $\text{TMP}_2\text{Mg}\text{:}2\text{LiCl}$ and $\text{TMPPMgCl}\text{:LiCl}$ . <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 1553-1560	5.6	17
576	A Convenient Synthesis of $\alpha$ -Substituted $\beta$ -Unsaturated Ketones and Esters via the Direct Addition of Substituted Allylic Zinc Reagents Prepared by Direct Insertion. <i>Synthesis</i> , <b>2013</b> , 45, 1870-1876	2.9	13
575	Review. Regioselective Functionalization of Pyridines using a Directed Metalation or a Halogen/Metal Exchange. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 411-422	1	18
574	Regioselective Functionalization of Purine Derivatives at Positions 8 and 6 Using Hindered TMP-Amide Bases of Zn and Mg. <i>Synthesis</i> , <b>2013</b> , 45, 3029-3037	2.9	6
573	Synthesis of (4?R)-Azido-(2?R)-2?-Deoxy-2?-C-Methyluridine and Its Esters by Direct Iodide Displacement. <i>Synlett</i> , <b>2013</b> , 24, 1697-1701	2.2	1
572	Ligandenbeschleunigte Eisen- und Cobalt-katalysierte Kreuzkupplung zwischen N-Heteroarylhalogeniden und Arylmagnesiumreagentien. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5045-5049	3.6	26
571	Vollfunktionalisierung des 7-Azaindol-Gerüsts durch selektive Metallierung und Sulfoxid-Magnesium-Austausch. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 10278-10281	3.6	12
570	Regioselektive Metallierungen von Pyrimidinen und Pyrazinen mit frustrierten Lewis-Paaren aus $\text{BF}_3\text{:OEt}_2$ und sterisch gehinderten Mg- und Zn-Amidbasen. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6909-6913	3.6	14
569	Synthesis of functionalized benzo[b]thiophenes by the intramolecular copper-catalyzed carbomagnesiation of alkynyl(aryl)thioethers. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1958-1964	16.4	55
568	Cyclohexylcarbonitriles: diastereoselective arylations with $\text{TMPZnCl}\text{:LiCl}$ . <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 7671-6	4.2	8
567	Continuous Preparation of Arylmagnesium Reagents in Flow with Inline IR Monitoring. <i>Organic Process Research and Development</i> , <b>2012</b> , 16, 1102-1113	3.9	103
566	Iron-catalyzed cross-coupling of N-heterocyclic chlorides and bromides with arylmagnesium reagents. <i>Organic Letters</i> , <b>2012</b> , 14, 4818-21	6.2	82
565	Nucleophilicity parameters for designing transition metal-free C-I bond forming reactions of organoboron compounds. <i>Chemical Science</i> , <b>2012</b> , 3, 878-882	9.4	62
564	Direct Pd-catalyzed cross-coupling of functionalized organoaluminum reagents. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11157-61	16.4	33

563	Highly regioselective preparation of heteroaryl-magnesium reagents by using a Br/Mg exchange. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16145-52	4.8	22
562	Benzylic arylation of 2-methyl-5-membered heterocycles using TMP-bases. <i>Organic Letters</i> , <b>2012</b> , 14, 1951-3	6.2	18
561	Synthesis and biological evaluation of novel anticancer bivalent colchicine-tubulizine hybrids. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 4271-8	3.4	21
560	Luftstabile feste aromatische und heterocyclische Zinkreagentien durch hochselektive Metallierungen fü Negishi-Kreuzkupplungen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9563-9567	3.6	39
559	Improved air-stable solid aromatic and heterocyclic zinc reagents by highly selective metalations for Negishi cross-couplings. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9428-32	16.4	78
558	InCl <sub>3</sub> -catalyzed synthesis of 1,2-dimetallic compounds by direct insertion of aluminum or zinc powder. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9926-30	16.4	25
557	The ortho and meta magnesiation of functionalized anilines and amino-substituted pyridines and pyrazines at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10624-7	16.4	13
556	Isoreticular two-dimensional covalent organic frameworks synthesized by on-surface condensation of diboronic acids. <i>ACS Nano</i> , <b>2012</b> , 6, 7234-42	16.7	180
555	Preparation of Organoalanes for Organic Synthesis. <i>Topics in Organometallic Chemistry</i> , <b>2012</b> , 173-186	0.6	7
554	Stereoselective C-glycosylation reactions with arylzinc reagents. <i>Organic Letters</i> , <b>2012</b> , 14, 1480-3	6.2	89
553	Regioselective zination of indazoles using TMP2Zn and Negishi cross-coupling with aryl and heteroaryl iodides. <i>Chemical Communications</i> , <b>2012</b> , 48, 2680-2	5.8	37
552	Stereoselective synthesis of tetrasubstituted alkenes via a sequential carbocupration and a new sulfur-lithium exchange. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 2202-6	2.5	11
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550	Leaving group dependence of the rates of halogen-magnesium exchange reactions. <i>Organic Letters</i> , <b>2012</b> , 14, 2602-5	6.2	21
549	Synthese von funktionalisierten Benzo[b]thiophenen durch intramolekulare Kupfer-katalysierte Carbomagnesierung von Alkinyl(aryl)thioethern. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1994-1997	3.6	23
548	Preparations and reactions of SF <sub>5</sub> -substituted aryl and heteroaryl derivatives via Mg and Zn organometallics. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 10234-8	4.8	35
547	New Method of Synthesis and Biological Evaluation of Some Combretastatin A-4 Analogues. <i>Synlett</i> , <b>2012</b> , 23, 1205-1208	2.2	10
546	Benzothiadiazoloperylenes and Benzoxadiazoloperylenes: Amorphous Functional Materials. <i>Synthesis</i> , <b>2012</b> , 44, 3465-3476	2.9	9

545	Synthesis of well-ordered COF monolayers: surface growth of nanocrystalline precursors versus direct on-surface polycondensation. <i>ACS Nano</i> , <b>2011</b> , 5, 9737-45	16.7	184
544	Regioselective functionalization of the thiazole scaffold using $\text{TMPPMgCl}\cdot\text{LiCl}$ and $\text{TMP2Zn}\cdot\text{2MgCl}_2\cdot\text{2LiCl}$ . <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 6972-8	4.2	16
543	New preparation of benzylic aluminum and zinc organometallics by direct insertion of aluminum powder. <i>Organic Letters</i> , <b>2011</b> , 13, 6440-3	6.2	38
542	Highly diastereoselective arylations of substituted piperidines. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4774-7	16.4	113
541	Preparation of functionalized Zn and Mg-organometallics. Application to the performance of diastereoselective cross-couplings. <i>Comptes Rendus Chimie</i> , <b>2011</b> , 14, 842-850	2.7	10
540	Trifunctionalization of the purine scaffold using Mg and Zn organometallic intermediates. <i>Organic Letters</i> , <b>2011</b> , 13, 792-5	6.2	17
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538	Selective and multiple functionalization of pyridines and alkaloids via Mg- and Zn-organometallic intermediates. <i>Organic Letters</i> , <b>2011</b> , 13, 2306-9	6.2	44
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536	Preparation of polyfunctional zinc organometallics using an Fe- or Co-catalyzed Cl/Zn-exchange. <i>Organic Letters</i> , <b>2011</b> , 13, 3174-7	6.2	15
535	Preparation of functionalized organomanganese(II) reagents by direct insertion of manganese to aromatic and benzylic halides. <i>Organic Letters</i> , <b>2011</b> , 13, 3198-201	6.2	23
534	Selektive Magnesierung oder Zinkierung hochfunktionalisierter Alkene und Cycloalkene mit 2,2,6,6-Tetramethylpiperidylbasen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1954-1958	3.6	26
533	Hoch diastereoselektive C(sp <sup>3</sup> )-C(sp)-Kreuzkupplungen zwischen 1,3- und 1,4-substituierten Cyclohexylzinkreagentien und Bromalkinen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2222-2225	3.6	24
532	Hoch diastereoselektive eisenvermittelte C(sp <sup>2</sup> )-C(sp <sup>3</sup> )-Kreuzkupplungen zwischen Aryl-Grignard-Reagentien und cyclischen Iodhydrinderivaten. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 3361-3365 <sup>3,6</sup>	3.6	18
531	Regio- und chemoselektive Metallierung von Arenen und Heteroarenen mit gehinderten Metallamidbasen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9968-9999	3.6	117
530	Lewis-Säure-vermittelte benzylische Kreuzkupplungen von Pyridinen mit Arylbromiden. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7828-7832	3.6	28
529	Herstellung von festen salzstabilisierten Organozinkreagentien und deren Anwendung in Kreuzkupplungen und Carbonyladditionen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9372-9376	3.6	40
528	Selective magnesiation or zination of highly functionalized alkenes and cycloalkenes using 2,2,6,6-tetramethylpiperidyl bases. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1914-7	16.4	68

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526	Highly diastereoselective iron-mediated C(sp <sub>2</sub> )-C(sp <sub>3</sub> ) cross-coupling reactions between aryl Grignard reagents and cyclic iodohydrine derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3303-7	16.4	65
525	Regio- and chemoselective metalation of arenes and heteroarenes using hindered metal amide bases. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9794-824	16.4	310
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523	Lewis acid promoted benzylic cross-couplings of pyridines with aryl bromides. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7686-90	16.4	91
522	Preparation of solid salt-stabilized functionalized organozinc compounds and their application to cross-coupling and carbonyl addition reactions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9205-9	16.4	78
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520	Pd- and Ni-catalyzed cross-coupling reactions of functionalized organozinc reagents with unsaturated thioethers. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2948-56	4.8	76
519	Synthesis of polyfunctional allenes by successive copper-mediated substitutions. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 4232-7	4.8	23
518	Difunctionalisation of arenes and heteroarenes by directed metallation and sulfoxide-magnesium exchange. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5362-72	4.8	58
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516	A Covalent Organic Framework with 4 nm open pores. <i>Chemical Communications</i> , <b>2011</b> , 47, 1707-9	5.8	153
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513	Regio- and Chemoselective Synthesis of Fully Substituted Furans. <i>Synthesis</i> , <b>2011</b> , 2011, 1751-1758	2.9	10
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511	Functionalization of the Benzo[c][1,2,5]thiadiazole Scaffold via Mg-, Zn- and Mn-Intermediates. <i>Synthesis</i> , <b>2011</b> , 2011, 1302-1308	2.9	6
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506	Preparation of functionalized organoaluminums by direct insertion of aluminium to unsaturated halides. <i>Nature Chemistry</i> , <b>2010</b> , 2, 313-8	17.6	81
505	Large-Scale Preparation of Aromatic Fluorides via Electrophilic Fluorination with Functionalized Aryl- or Heteroarylmagnesium Reagents. <i>Synthesis</i> , <b>2010</b> , 2010, 2490-2494	2.9	5
504	Directed ortho- and meta-Magnesiation or Zincation of Polyfunctional Aryl Nonaflates. <i>Synlett</i> , <b>2010</b> , 2010, 304-308	2.2	7
503	A Novel Palladium-Catalyzed Cross-Coupling of Thiomethylated Alkynes with Functionalized Organozinc Reagents. <i>Synthesis</i> , <b>2010</b> , 2010, 2085-2091	2.9	2
502	Scaled-Up Transition-Metal-Catalyzed Cross-Coupling Reactions of Thioether-Substituted N-Heterocycles with Organozinc Reagents. <i>Synthesis</i> , <b>2010</b> , 2010, 2853-2858	2.9	3
501	Direct Addition of Functionalized Organozinc Reagents to Carbon Dioxide, Ketones, and Aldehydes in the Presence of $MgCl_2$ . <i>Synthesis</i> , <b>2010</b> , 2010, 3802-3810	2.9	8
500	Efficient Preparation of Polyfunctional Organometallics via Directed ortho-Metalation. <i>Synthesis</i> , <b>2010</b> , 2010, 2670-2678	2.9	6
499	Large-Scale Preparation of Polyfunctional Benzylic Zinc Reagents by Direct Insertion of Zinc Dust into Benzylic Chlorides in the Presence of Lithium Chloride. <i>Synthesis</i> , <b>2010</b> , 2010, 882-891	2.9	4
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497	Preparation of Heterocyclic Amines via a Copper(I)-Mediated Oxidative Cross-Coupling of Organozinc Reagents with Lithium Amides. <i>Synthesis</i> , <b>2010</b> , 2010, 2313-2318	2.9	3
496	Preparation of primary amides from functionalized organozinc halides. <i>Organic Letters</i> , <b>2010</b> , 12, 3648-50.2	30	
495	i-PrLi acceleration of Negishi cross-coupling reactions. <i>Organic Letters</i> , <b>2010</b> , 12, 2702-5	6.2	27
494	Preparation of functionalized cyclic enol phosphates by halogen-magnesium exchange and directed deprotonation reactions. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 4365-75	4.2	24
493	Charged tags as probes for analyzing organometallic intermediates and monitoring cross-coupling reactions by electrospray-ionization mass spectrometry. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 6848-57 <sup>4,2</sup>	4.2	74
492	Phosphorodiamidate-directed metalation of N-heterocycles using Mg- and Zn-TMP bases. <i>Organic Letters</i> , <b>2010</b> , 12, 1984-7	6.2	39

491	Scaleable Preparation of Sensitive Functionalized Aromatics and Heteroaromatics via Directed Metalation Using tmpZnCl <sub>2</sub> LiCl. <i>Organic Process Research and Development</i> , <b>2010</b> , 14, 1299-1303	3.9	41
490	Room temperature cross-coupling of highly functionalized organozinc reagents with thiomethylated N-heterocycles by nickel catalysis. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 2131-3	4.2	62
489	Regio- and chemoselective zincation of sensitive and moderately activated aromatics and heteroaromatics using TMPZnCl <sub>2</sub> LiCl. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 4686-95	4.2	66
488	Preparation of 2-magnesiated 1,3,5-triazines via an iodine-magnesium exchange. <i>Organic Letters</i> , <b>2010</b> , 12, 5398-401	6.2	20
487	Preparation of highly functionalized alkylzinc halides from alkyl bromides using Mg, ZnCl <sub>2</sub> and LiCl. <i>Chemical Communications</i> , <b>2010</b> , 46, 4082-4	5.8	43
486	Synthesis of Exclusively Centrostereogenic 1,3-Bidentate Ferrocenyldiphosphane Ligands and Their Use in Enantioselective Hydrogenations. <i>Organometallics</i> , <b>2010</b> , 29, 6503-6508	3.8	13
485	Scaleable Preparation of Functionalized Organometallics via Directed Ortho Metalation Using Mg- and Zn-Amide Bases. <i>Organic Process Research and Development</i> , <b>2010</b> , 14, 339-345	3.9	62
484	Pd-, Ni-, Fe-, and Co-Catalyzed Cross-Couplings Using Functionalized Zn-, Mg-, Fe-, and In-Organometallics. <i>Israel Journal of Chemistry</i> , <b>2010</b> , 50, 547-557	3.4	32
483	Efficient Synthesis of Deazaguanosine-Derived tRNA Nucleosides PreQ0, PreQ1, and Archaeosine Using the Turbo-Grignard Method. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 6517-6519	3.2	16
482	Structure-reactivity relationships in negishi cross-coupling reactions. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 248-53	4.8	30
481	Atom-economical preparation of aryl- and heteroaryl-lanthanum reagents by directed ortho-metalation by using tmp3[La]. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3304-7	4.8	36
480	Preparation of organoaluminum reagents from propargylic bromides and aluminum activated by PbCl <sub>2</sub> and their regio- and diastereoselective addition to carbonyl derivatives. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9829-34	4.8	41
479	MgCl <sub>2</sub> -beschleunigte Additionen von funktionalisierten Organozinkreagentien an Aldehyde, Ketone und Kohlendioxid. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 4769-4773	3.6	42
478	Hoch selektive Metallierungen von Pyridinen und verwandten Heterocyclen mithilfe frustrierter Lewis-Paare sowie tmp-Zink- und tmp-Magnesium-Basen mit BF <sub>3</sub> ?OEt <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5582-5586	3.6	46
477	Convenient electrophilic fluorination of functionalized aryl and heteroaryl magnesium reagents. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2215-8	16.4	110
476	A cobalt-catalyzed sulfonate/copper exchange for the preparation of highly functionalized electron-deficient aryl copper reagents. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1874-7	16.4	21
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474	Synthesis of dibenzothiophenes and related classes of heterocycles by using functionalized dithiocarbamates. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4751-4	16.4	56

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470	Fischer indole synthesis with organozinc reagents. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9513-6	16.4	65
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455	LiCl-mediated preparation of functionalized benzylic indium(III) halides and highly chemoselective palladium-catalyzed cross-coupling in a protic cosolvent. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2236-9	16.4	80
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449	Regio- and chemoselective synthesis of fully substituted thiophenes. <i>Organic Letters</i> , <b>2009</b> , 11, 445-8	6.2	65
448	Preparation of polyfunctional indazoles and heteroarylazo compounds using highly functionalized zinc reagents. <i>Organic Letters</i> , <b>2009</b> , 11, 4270-3	6.2	73
447	Kinetics of bromine-magnesium exchange reactions in heteroaryl bromides. <i>Organic Letters</i> , <b>2009</b> , 11, 3502-5	6.2	48
446	Oxidative amination of heteroaromatic zinc reagents mediated by PhI(OAc)(2). <i>Organic Letters</i> , <b>2009</b> , 11, 5158-61	6.2	38
445	TMPZnCl.LiCl: a new active selective base for the directed zination of sensitive aromatics and heteroaromatics. <i>Organic Letters</i> , <b>2009</b> , 11, 1837-40	6.2	158
444	Pd-catalyzed cross-coupling of functionalized organozinc reagents with thiomethyl-substituted heterocycles. <i>Organic Letters</i> , <b>2009</b> , 11, 4228-31	6.2	57
443	Synthesis of fully substituted pyrazoles via regio- and chemoselective metalations. <i>Organic Letters</i> , <b>2009</b> , 11, 3326-9	6.2	80
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441	2,3-Functionalization of furans, benzofurans and thiophenes via magnesiation and sulfoxide-magnesium exchange. <i>Chemical Communications</i> , <b>2009</b> , 3536-8	5.8	70
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439	Negishi cross-couplings of unsaturated halides bearing relatively acidic hydrogen atoms with organozinc reagents. <i>Organic Letters</i> , <b>2008</b> , 10, 2765-8	6.2	103
438	High temperature metalation of functionalized aromatics and heteroaromatics using (tmp)2Zn x 2 MgCl2 x 2 LiCl and microwave irradiation. <i>Organic Letters</i> , <b>2008</b> , 10, 4705-7	6.2	75

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432	Preparation of fully substituted anilines for the synthesis of functionalized indoles. <i>Organic Letters</i> , <b>2008</b> , 10, 113-6	6.2	65
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429	Preparation of silyl substituted crotylzinc reagents and their highly diastereoselective addition to carbonyl compounds. <i>Chemical Communications</i> , <b>2008</b> , 1916-7	5.8	24
428	Nickel-catalyzed cross-coupling reactions of benzylic zinc reagents with aromatic bromides, chlorides and tosylates. <i>Chemical Communications</i> , <b>2008</b> , 3046-8	5.8	55
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360	Effiziente Synthese funktionalisierter zinkorganischer Verbindungen durch direkte Insertion von Zink in organische Bromide und Iodide. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 6186-6190	3.6	148
359	Synthese primärer, sekundärer und tertiärer Arylamine durch oxidative Kupplung funktionalisierter Aryl- und Heteroaryl-Amidocuprate. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 8002-8006	3.6	16
358	Iron-Catalyzed Cross-Coupling between Alkenyl and Dienyl Sulfonates and Functionalized Arylcopper Reagents. <i>Synlett</i> , <b>2006</b> , 2006, 0407-0410	2.2	5
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356	Convenient Titration Method for Organometallic Zinc, Magnesium, and Lanthanide Reagents. <i>Synthesis</i> , <b>2006</b> , 2006, 0890-0891	2.9	47
355	Cobalt-Catalyzed Cross-Coupling Reactions of Heterocyclic Chlorides with Arylmagnesium Halides and of Polyfunctionalized Arylcopper Reagents with Aryl Bromides, Chlorides, Fluorides and Tosylates. <i>Synthesis</i> , <b>2006</b> , 2006, 3547-3574	2.9	9
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352	Regioselective functionalization of trisubstituted pyridines using a bromine-magnesium exchange. <i>Chemical Communications</i> , <b>2006</b> , 726-8	5.8	32
351	Selective functionalization of imidazoles via an iodine-copper exchange reaction. <i>Chemical Communications</i> , <b>2006</b> , 2170-2	5.8	22
350	Direct preparation of copper organometallics bearing an aldehyde function via an iodine-copper exchange. <i>Chemical Communications</i> , <b>2006</b> , 2486-8	5.8	6
349	Magnesiated unsaturated silylated cyanohydrins as synthetic equivalents of aromatic and heterocyclic grignard reagents bearing a ketone or an aldehyde. <i>Organic Letters</i> , <b>2006</b> , 8, 617-9	6.2	26
348	Functionalized magnesium organometallics as versatile intermediates for the synthesis of polyfunctional heterocycles. <i>Chemical Communications</i> , <b>2006</b> , 583-93	5.8	107

347	An improved asymmetric reformatsky reaction mediated by (-)-N,N-dimethylaminoisoborneol. <i>Organic Letters</i> , <b>2006</b> , 8, 1125-8	6.2	72
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345	Cobalt(II)-catalyzed cross-coupling between polyfunctional arylcopper reagents and aryl fluorides or tosylates. <i>Organic Letters</i> , <b>2006</b> , 8, 725-8	6.2	123
344	Chemo- and regioselective functionalization of uracil derivatives. Applications to the synthesis of oxypurinol and emivirine. <i>Organic Letters</i> , <b>2006</b> , 8, 3737-40	6.2	41
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342	Stereoselective functionalization of beta-iodo-alpha,beta-unsaturated ketones via an iodine-copper exchange reaction. <i>Organic Letters</i> , <b>2006</b> , 8, 1941-3	6.2	23
341	Preparation and Reactions of Heteroaryl Organomagnesium Compounds. <i>Chemistry Letters</i> , <b>2006</b> , 35, 2-7	1.7	36
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329	Polyfunctional Zinc, Cobalt and Iron Organometallics Prepared by Electrosynthesis <b>2005</b> , 629-653	
328	Polyfunctional Organocopper Reagents for Organic Synthesis <b>2005</b> , 379-395	6
327	Polyfunctional Lithium Organometallics for Organic Synthesis <b>2005</b> , 7-43	9
326	Functionalized Organoborane Derivatives in Organic Synthesis <b>2005</b> , 45-108	3
325	Polyfunctional Tin Organometallics for Organic Synthesis <b>2005</b> , 203-249	3
324	Functionalized Organozirconium and Titanium in Organic Synthesis <b>2005</b> , 503-540	1
323	Polyfunctional 1,1-Organodimetallic for Organic Synthesis <b>2005</b> , 347-377	2
322	Manganese Organometallics for the Chemoselective Synthesis of Polyfunctional Compounds <b>2005</b> , 541-567	8
321	Polyfunctional Zinc Organometallics for Organic Synthesis <b>2005</b> , 251-346	41
320	Polyfunctional Metal Carbenes for Organic Synthesis <b>2005</b> , 451-502	1
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228	t-BuOK-Catalyzed addition of ketones and nitriles to vinylic silanes, phosphines and thio derivatives. <i>Chemical Communications</i> , <b>2001</b> , 745-746	5.8	57
227	Enantioselective Preparation of a Novel Chiral 1,2-Diamine. <i>Synthesis</i> , <b>2001</b> , 2001, 0863-0866	2.9	24
226	Improved Preparation of Secondary Zinc Iodides by 1,2-Migration of sp <sup>3</sup> Carbenoids. <i>Synlett</i> , <b>2001</b> , 2001, 0818-0820	2.2	23
225	Preparation of Functionalized Magnesiated Aniline Derivatives. <i>Synlett</i> , <b>2001</b> , 2001, 0477-0480	2.2	24
224	Fe(III)-Catalyzed Cross-Coupling Between Functionalized Arylmagnesium Compounds and Alkenyl Halides. <i>Synlett</i> , <b>2001</b> , 2001, 1901-1904	2.2	98
223	Preparation and Applications of Functionalized Organozinc Compounds <b>2001</b> , 417-759		27
222	Stereoselective preparation of highly functionalized (Z)-3-magnesiated enoates by an iodine-magnesium exchange reaction. <i>Chemical Communications</i> , <b>2001</b> , 2068-9	5.8	25

221	Remote C-H activation of phenyl-substituted alkenes by BH(3).THF: mechanism and applications. <i>Organic Letters</i> , <b>2001</b> , 3, 2395-8	6.2	18
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218	Selective transformations mediated by main-group organometallics. <i>Pure and Applied Chemistry</i> , <b>2000</b> , 72, 1699-1703	2.1	5
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214	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 C-H Activation by Direct Borane-Hydrocarbon Dehydrogenation: Kinetic and Thermodynamic Aspects This work was supported by the Fonds der Chemische Industrie (Sachbeihilfe and Liebig-Stipendium for B.G.), the Deutsche Forschungsgemeinschaft (GO 930/1-1 and Habilitationsstipendium for B.G.), the Research Pool Foundation of the University Heidelberg, New Applications of Polyfunctional Organometallic Compounds in Organic Synthesis. <i>Angewandte Chemie-International Edition</i> , <b>2000</b> , 39, 4414-4435 (Marburg), and. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 4136-4139	16.4	179
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208	Highly enantioselective copper-catalyzed substitution of allylic chlorides with diorganozincs. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 9233-9237	2	83
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94	New enantioselective syntheses of acetylenic alcohols using functionalized diorganozincs. <i>Tetrahedron: Asymmetry</i> , <b>1995</b> , 6, 2675-2678	41	
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90	Stereoselective synthesis of substituted tetrahydrofurans and butyrolactones by a new nickel catalyzed carbozincation. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 8349-8352	2	53
89	Enantioselective preparation of C2-symmetrical 1,4-diols. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 5849-5852	2	35
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82	Catalytic Asymmetric Preparation of Polyfunctional Protected 1,2-Diols and Epoxides. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 3760-3761	4.2	49
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70	A new catalytic asymmetric approach to polyfunctional aldol products mediated by zinc organometallics. <i>Tetrahedron Letters</i> , <b>1993</b> , 34, 5881-5884	2	45
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14	Mixed gem-dimetallic organic compounds. A new class of multi-coupling reagents part 2. <i>Tetrahedron Letters</i> , <b>1986</b> , 27, 1043-1046	2	49
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11	5-Endo-Trigonal ring closures of unsaturated sulfones.. <i>Tetrahedron Letters</i> , <b>1985</b> , 26, 4455-4458	2	44
10	3-Bromo-2-(tert-butylsulfonyl)-1-propene. A multi-coupling reagent. Part 2. . <i>Tetrahedron Letters</i> , <b>1985</b> , 26, 2329-2332	2	22
9	Addition of functionalized allylic bromides to terminal alkynes. <i>Tetrahedron Letters</i> , <b>1984</b> , 25, 1475-1478	2	56
8	Structure, Synthesis, and Properties of Some Persubstituted 1,2-Dintroethanes. In Quest of Nitrocyclopropyl-Anion Derivatives. <i>Helvetica Chimica Acta</i> , <b>1982</b> , 65, 137-161	2	79
7	Synthesis and reactions of substituted nitro-allylating reagents. <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 3897-3900	2	50
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5	Functionalized Organozinc Compounds	287-393	26
4	Transmetalation Reactions Producing Organocopper Reagents	45-78	9
3	Ethyl 3-(p-Cyanophenyl)Propionate from Ethyl 3-Iodopropionate and p-Cyanophenylzinc Bromide	35-35	
2	Lithium Dichloro(2,2,6,6-tetramethylpiperidinato)-Magnesiate	1-5	
1	Recent Advances in Cross-Couplings of Functionalized Organozinc Reagents. <i>Synthesis</i> ,	2.9	3