

Alkali-Metal-Mediated Synergistic Effects in Polar Main

Chemical Reviews

119, 8332-8405

DOI: [10.1021/acs.chemrev.9b00047](https://doi.org/10.1021/acs.chemrev.9b00047)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Preparation of Polyfunctional Arylzinc Organometallics in Toluene by Halogen/Zinc Exchange Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12898-12902.	7.2	29
2	Selective mono- and dimetallation of a group 3 sandwich complex. <i>Chemical Communications</i> , 2019, 55, 9677-9680.	2.2	4
3	Lithium-Aluminate-Catalyzed Hydrophosphination Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12291-12296.	7.2	40
4	Stepwise Reduction at Magnesium and Beryllium: Cooperative Effects of Carbenes with Redox Non-Innocent \pm -Diimines. <i>Inorganic Chemistry</i> , 2019, 58, 10554-10568.	1.9	30
5	s-Block cooperative catalysis: alkali metal magnesiate-catalysed cyclisation of alkynols. <i>Chemical Science</i> , 2019, 10, 5821-5831.	3.7	25
6	Lithium: From Bipolar to Batteries. <i>Australian Journal of Chemistry</i> , 2019, 72, 931.	0.5	1
7	Herstellung von polyfunktionellen Arylzinkreagenzien in Toluol mittels Halogen/Zink-Austauschreaktionen. <i>Angewandte Chemie</i> , 2019, 131, 13030-13034.	1.6	10
8	Recent Advances of the Halogen-Zinc Exchange Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 3688-3697.	1.7	32
9	Bimetallic cooperation across the periodic table. <i>Nature Reviews Chemistry</i> , 2020, 4, 696-702.	13.8	119
10	Exploring the Synthesis and Coordination Chemistry of Pentafluorophenylcopper: Organocopper Polyanions and Coordination Networks. <i>Organometallics</i> , 2020, 39, 3759-3767.	1.1	4
11	Complexation behaviour of LiCl and LiPF ₆ model studies in the solid-state and in solution using a bidentate picolyl-based ligand. <i>Chemical Communications</i> , 2020, 56, 13335-13338.	2.2	5
12	The structure-defining incorporation of chloride in methyllithium dimers. <i>Chemical Communications</i> , 2020, 56, 13543-13546.	2.2	7
13	Ditopic bis(<i>N,N</i> -, <i>N,N</i> - α^2 -, <i>N,N</i> - α^2 -substituted 1,2-ethanediamine) ligands: synthesis and coordination chemistry. <i>Dalton Transactions</i> , 2020, 49, 13818-13828.	1.6	3
14	A Predictive Model Towards Site-Selective Metalations of Functionalized Heterocycles, Arenes, Olefins, and Alkanes using TMPZnCl \cdot LiCl. <i>Angewandte Chemie</i> , 2020, 132, 15102-15109.	1.6	8
15	N-Heterocyclic Carbene-Mediated Ring Opening of Reduced Diazamagnesacycles. <i>Organometallics</i> , 2020, 39, 4575-4583.	1.1	5
16	Difluorocarbene Generation from TMSCF ₃ : Kinetics and Mechanism of NaI-Mediated and Si-Induced Anionic Chain Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 14649-14663.	6.6	49
17	Aminometallierung mit einem gemischten K/Li-Amid: Eine Syntheseroute zu schwer zugänglichen Phenethylamin-Derivaten. <i>Angewandte Chemie</i> , 2020, 132, 22688-22693.	1.6	1
18	Aminopotassiation by Mixed Potassium/Lithium Amides: A Synthetic Path to Difficult to Access Phenethylamine Derivates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22500-22504.	7.2	9

#	ARTICLE	IF	CITATIONS
19	Regioselective functionalization of aryl azoles as powerful tool for the synthesis of pharmaceutically relevant targets. <i>Nature Communications</i> , 2020, 11, 4443.	5.8	21
20	Insight into the Bonding and Aggregation of Alkylolithiums by Experimental Charge Density Studies and Energy Decomposition Analyses. <i>Journal of the American Chemical Society</i> , 2020, 142, 15897-15906.	6.6	22
21	Salicylaldimines: Formation via Ring Contraction and Synthesis of Mono- and Heterobimetallic Alkali Metal Heterocubanes. <i>Inorganic Chemistry</i> , 2020, 59, 17678-17688.	1.9	3
22	Stereo-controlled <i>anti</i> -hydromagnesiation of aryl alkynes by magnesium hydrides. <i>Chemical Science</i> , 2020, 11, 5267-5272.	3.7	17
23	Lithium Organoaluminate Complexes as Catalysts for the Conversion of CO ₂ into Cyclic Carbonates. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2835-2841.	1.0	5
24	Trianionic binucleating bis(trityl)aryloxy ligands and their lithium, magnesium, and zinc complexes. <i>Canadian Journal of Chemistry</i> , 2020, 98, 453-459.	0.6	1
25	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.	7.2	20
26	Boosting Low-Valent Aluminum(I) Reactivity with a Potassium Reagent. <i>Angewandte Chemie</i> , 2020, 132, 16116-16120.	1.6	49
27	Structural Similarity in a Series of Alkali Metal Aluminates with Heteroleptic <i>tert</i> -Butoxide-Isobutyl Ligand Sets. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2912-2918.	1.0	1
28	Boosting Conjugate Addition to Nitroolefins Using Lithium Tetraorganozincates: Synthetic Strategies and Structural Insights. <i>Chemistry - A European Journal</i> , 2020, 26, 8742-8748.	1.7	21
29	Structurally Mapping Alkyl and Amide Basicity in Zincate Chemistry: Diversity in the Synthesis of Mixed Sodium-Zinc Complexes and Their Applications in Enolate Formation. <i>Organometallics</i> , 2020, 39, 4273-4281.	1.1	9
30	An η^3 -Bound Allyl Ligand on Magnesium in a Mechanochemically Generated Mg/K Allyl Complex. <i>Angewandte Chemie</i> , 2020, 132, 9629-9635.	1.6	10
31	An $\eta^{3\prime}$ -Bound Allyl Ligand on Magnesium in a Mechanochemically Generated Mg/K Allyl Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9542-9548.	7.2	18
32	The Grignard Reaction - Unraveling a Chemical Puzzle. <i>Journal of the American Chemical Society</i> , 2020, 142, 2984-2994.	6.6	84
33	The Role of Organoferrates in Iron-Catalyzed Cross-Couplings. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5434-5437.	7.2	12
34	Chemistry of alkaline earth metals: It is not all ionic and definitely not boring!. <i>Coordination Chemistry Reviews</i> , 2020, 408, 213193.	9.5	54
35	A regioselectively 1,1,3,3-tetra-zincated ferrocene complex displaying core and peripheral reactivity. <i>Chemical Science</i> , 2020, 11, 6510-6520.	3.7	8
36	Structure, Reactivity, and Synthetic Applications of Sodium Diisopropylamide. <i>Synthesis</i> , 2020, 52, 1478-1497.	1.2	29

#	ARTICLE	IF	CITATIONS
37	Regioselective Bromine/Magnesium Exchange for the Selective Functionalization of Polyhalogenated Arenes and Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1513-1518.	7.2	19
38	Main group bimetallic partnerships for cooperative catalysis. <i>Chemical Science</i> , 2021, 12, 1982-1992.	3.7	59
39	Facile Access to Hetero- σ -polyfunctional Arenes and meta- σ -Substituted Arenes via Two-Step Dimetalation and Mg/Halogen-Exchange Protocol. <i>Chemistry - A European Journal</i> , 2021, 27, 4134-4140.	1.7	0
40	Regioselektiver Brom/Magnesium-Austausch für die selektive Funktionalisierung von polyhalogenierten Arenen und Heterozyklen. <i>Angewandte Chemie</i> , 2021, 133, 1536-1541.	1.6	8
41	Practical and Modular Construction of C(sp ³)-Rich Alkyl Boron Compounds. <i>Journal of the American Chemical Society</i> , 2021, 143, 471-480.	6.6	59
42	Hydromagnesiation of 1,3-Enynes by Magnesium Hydride for Synthesis of Tri- and Tetra-substituted Allenes. <i>Angewandte Chemie</i> , 2021, 133, 219-223.	1.6	6
43	Structural Motifs of Alkali Metal Superbases in Non-coordinating Solvents. <i>Chemistry - A European Journal</i> , 2021, 27, 888-904.	1.7	22
44	Catalytic C-H to C-M (M = Al, Mg) bond transformations with heterometallic complexes. <i>Chemical Science</i> , 2021, 12, 1993-2000.	3.7	22
45	Hydromagnesiation of 1,3-Enynes by Magnesium Hydride for Synthesis of Tri- and Tetra-substituted Allenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 217-221.	7.2	24
46	Cationic strontium hydride complexes supported by an NNNN-type macrocycle. <i>Chemical Communications</i> , 2021, 57, 6316-6319.	2.2	10
47	Aggregation and Solvation of Sodium Hexamethyldisilazide: Across the Solvent Spectrum. <i>Journal of Organic Chemistry</i> , 2021, 86, 2406-2422.	1.7	23
48	Synthesis of tris(3-pyridyl)aluminate ligand and its unexpected stability against hydrolysis: revealing cooperativity effects in heterobimetallic pyridyl aluminates. <i>Dalton Transactions</i> , 2021, 50, 13059-13065.	1.6	4
49	Exploiting Deprotonative Co-complexation to Access Potassium Metal(ates) Supported by a Bulky Silyl(bis)amide Ligand. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1016-1022.	1.0	5
50	C-H and C-F coordination of arenes in neutral alkaline earth metal complexes. <i>Dalton Transactions</i> , 2021, 50, 8685-8689.	1.6	12
51	Photochemically Activated Dimagnesium(I) Compounds: Reagents for the Reduction and Selective C-H Bond Activation of Inert Arenes. <i>Angewandte Chemie</i> , 2021, 133, 7163-7168.	1.6	11
52	Photochemically Activated Dimagnesium(I) Compounds: Reagents for the Reduction and Selective C-H Bond Activation of Inert Arenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7087-7092.	7.2	40
53	Untangling the Complexity of Mixed Lithium/Magnesium Alkyl/Alkoxy Combinations Utilised in Bromine/Magnesium Exchange Reactions. <i>Angewandte Chemie</i> , 2021, 133, 7704-7709.	1.6	2
54	Calcium and Magnesium Bis(β -diketiminato) Complexes: Impact of the Alkylene Bridge on Schlenk-Type Rearrangements. <i>Inorganic Chemistry</i> , 2021, 60, 5310-5321.	1.9	3

#	ARTICLE	IF	CITATIONS
55	Iron-Catalyzed Tandem Cyclization of Diarylacetylene to a Strained 1,4-Dihydropentalene Framework for Narrow-Band-Gap Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 6823-6828.	6.6	10
56	Alkali Metal (Li, Na, K, Rb, Cs) Mediation in Magnesium Hexamethyldisilazide [Mg(HMDS) ₂] Catalysed Transfer Hydrogenation of Alkenes. <i>ChemCatChem</i> , 2021, 13, 2371-2378.	1.8	28
57	Advances in heterometallic ring-opening (co)polymerisation catalysis. <i>Nature Communications</i> , 2021, 12, 3252.	5.8	62
58	Cationic Heterobimetallic Mg(Zn)/Al(Ga) Combinations for Cooperative C–F Bond Cleavage. <i>Angewandte Chemie</i> , 2021, 133, 16628-16635.	1.6	3
59	Cationic Heterobimetallic Mg(Zn)/Al(Ga) Combinations for Cooperative C–F Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16492-16499.	7.2	14
60	Facilitating the Feration of Aromatic Substrates through Intramolecular Sodium Mediation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15296-15301.	7.2	20
61	Synthesis of \pm -Alkynyl nitrones via Hydromagnesiation of 1,3-Enynes with Magnesium Hydride. <i>Organic Letters</i> , 2021, 23, 5060-5064.	2.4	9
62	Facilitating the Feration of Aromatic Substrates through Intramolecular Sodium Mediation. <i>Angewandte Chemie</i> , 2021, 133, 15424-15429.	1.6	6
63	NHC-stabilized Inverse Crown Ethers Featuring the $\frac{1}{4} 4 \text{ Oxo}$ [Mg ₄ O] Core. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3443-3447.	1.0	0
64	Reactions of Sodium Diisopropylamide: Liquid-Phase and Solid-Phase Liquid Phase-Transfer Catalysis by N^2 , N^3 , N^3 -Pentamethyldiethylenetriamine. <i>Journal of the American Chemical Society</i> , 2021, 143, 13370-13381.	6.6	13
65	Dihydrogen Activation by Lithium- and Sodium-Aluminyls. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22289-22292.	7.2	33
66	Dihydrogen Activation by Lithium- and Sodium-Aluminyls. <i>Angewandte Chemie</i> , 2021, 133, 22463-22466.	1.6	9
67	Heterometallic Mg ²⁺ Ba Hydride Clusters in Hydrogenation Catalysis. <i>ChemCatChem</i> , 2021, 13, 4567-4577.	1.8	10
68	Lateral Metallation and Redistribution Reactions of Sodium Ferrates Containing Bulky 2,6-diisopropyl- N^2 (trimethylsilyl)anilide Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 15181-15187.	1.7	10
69	Exploiting chemical cooperativity in main-group bimetallic catalysis. <i>Trends in Chemistry</i> , 2021, 3, 803-806.	4.4	11
70	Reactivity studies and structural outcomes of a bulky dialkylaluminium amide in the presence of the N-heterocyclic carbene, ItBu. <i>Polyhedron</i> , 2021, 209, 115469.	1.0	2
71	Bismuth species in the coordination sphere of transition metals: synthesis, bonding, coordination chemistry, and reactivity of molecular complexes. <i>Dalton Transactions</i> , 2021, 50, 7120-7138.	1.6	12
72	Sodium and Potassium Complexes in Organic Synthesis. , 2022, , 57-77.		1

#	ARTICLE	IF	CITATIONS
73	Coinage metal aluminyl complexes: probing regiochemistry and mechanism in the insertion and reduction of carbon dioxide. <i>Chemical Science</i> , 2021, 12, 13458-13468.	3.7	42
74	Imaging N ₂ -K, a Haber-Bosch Catalysis Precursor, at the Atomic Scale. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
75	Formation of a hydride containing amido-zincate using pinacolborane. <i>Dalton Transactions</i> , 2021, 50, 14018-14026.	1.6	3
76	Beyond Ni{N(SiMe ₃) ₂ } ₂ : Synthesis of a Stable Solvated Sodium Tris-Amido Nickelate. <i>Organometallics</i> , 2021, 40, 442-447.	1.1	14
77	Zur Rolle von Organoferraten in eisenkatalysierten Kreuzkupplungen. <i>Angewandte Chemie</i> , 2020, 132, 5474-5477.	1.6	3
78	Boosting Low-Valent Aluminum(I) Reactivity with a Potassium Reagent. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15982-15986.	7.2	99
79	Untangling the Complexity of Mixed Lithium/Magnesium Alkyl/Alkoxy Combinations Utilised in Bromine/Magnesium Exchange Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7626-7631.	7.2	10
80	Cooperative Bond Activation by a Bimetallic Main-Group Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 142-148.	6.6	27
81	Ketone Enolization with Sodium Hexamethyldisilazide: Solvent- and Substrate-Dependent <i>E</i> - <i>Z</i> Selectivity and Affiliated Mechanisms. <i>Journal of the American Chemical Society</i> , 2021, 143, 17452-17464.	6.6	17
83	Regioselective synthesis of 1,5-disubstituted 1,2,3-triazoles catalyzed by cooperative s-block bimetallics. <i>Chem Catalysis</i> , 2021, 1, 1308-1321.	2.9	7
84	THF-solvated Heavy Alkali Metal Benzyl Compounds (Na, Rb, Cs): Defined Deprotonation Reagents for Alkali Metal Mediation Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 17780-17784.	1.7	11
85	Structural and Synthetic Insights into Sodium-Mediated-Ferration of Fluoroarenes. <i>Helvetica Chimica Acta</i> , 0, , .	1.0	6
86	Regioselective Magnesiumation and Zincation Reactions of Aromatics and Heterocycles Triggered by Lewis Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
87	Structurally Defined Ring-Opening and Insertion of Pinacolborane into Aluminium-Nitrogen Bonds of Sterically Demanding Dialkylaluminium Amides. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 50-53.	1.0	4
88	Heterometallic cooperativity in divalent metal ProPhenol catalysts: combining zinc with magnesium or calcium for cyclic ester ring-opening polymerisation. <i>Catalysis Science and Technology</i> , 2022, 12, 1070-1079.	2.1	11
89	Synergistic Effects of Multimetallic Main Group Complexes in Organic Synthesis. , 2021, , .		0
90	Zinc Reagents in Organic Synthesis. , 2021, , .		0
91	Preparation of Primary and Secondary Dialkylmagnesiums by a Radical I/Mg-Exchange Reaction Using s Bu ₂ Mg in Toluene. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	4

#	ARTICLE	IF	CITATIONS
92	Salt additives as activity boosters: a simple strategy to access heterometallic cooperativity in lactide polymerisation. <i>Chemical Communications</i> , 2022, 58, 1609-1612.	2.2	10
93	Copper-Free Alternatives to Access Ketone Building Blocks from Grignard Reagents. <i>ACS Omega</i> , 2022, 7, 3613-3617.	1.6	0
94	Hydrophosphinylation of Styrenes Catalysed by Well-Defined s-Block Bimetallics. <i>ChemCatChem</i> , 2022, 14, .	1.8	9
95	Assessing Alkali-Metal Effects in the Structures and Reactivity of Mixed-Ligand Alkyl/Alkoxide Alkali-Metal Magnesiates. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	5
96	Generation of organo-alkaline earth metal complexes from non-polar unsaturated molecules and their synthetic applications. <i>Chemical Science</i> , 2021, 13, 27-38.	3.7	12
97	Rubidium and caesium aluminyls: synthesis, structures and reactivity in C-H bond activation of benzene. <i>Chemical Communications</i> , 2022, 58, 1390-1393.	2.2	31
98	Organometallic Complexes of the Alkali Metals. , 2022, , .		2
99	Herstellung von primären und sekundären Dialkylmagnesiumverbindungen durch eine radikalische I/Mg-Austauschreaktion mit $\text{C}_2\text{H}_5\text{Mg}$ in Toluol. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
100	A potassium magnesiate complex: Synthesis, structure and catalytic intermolecular hydroamination of styrenes. <i>Journal of Organometallic Chemistry</i> , 2022, 961, 122254.	0.8	3
101	Hetero-bimetallic alkali titanosilicates $[\text{MOTi}\{\text{OSi}(\text{O}^t\text{Bu})_3\}_3]_2$ (M = Li-Cs) with terminal Ti-O groups. <i>Dalton Transactions</i> , 2022, 51, 6148-6152.	1.6	2
102	Zinc, Cadmium and Mercury. , 2022, , 89-121.		3
103	Theoretical investigation of the structures, stabilities, and vibrational and rotational spectroscopic parameters of linear HOMgNC and HMgNCO molecules by density functional theory and coupled-cluster method. <i>New Journal of Chemistry</i> , 2022, 46, 7879-7891.	1.4	5
104	Organometallic Complexes of the Alkaline Earth Metals. , 2022, , 71-241.		2
105	s-Block Metal Catalysts for the Hydroboration of Unsaturated Bonds. <i>Chemical Reviews</i> , 2022, 122, 8261-8312.	23.0	77
108	A Sodium Sodate as Precursor for Lanthanide Bis(4-R-benzoxazol-2-yl)methanide Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 5234-5244.	1.9	4
109	Activation of polar organometallic reagents with alkali-metal alkoxides. , 2022, 1, 195-202.		10
110	Imaging a Haber-Bosch catalysis precursor at the atomic scale. <i>Cell Reports Physical Science</i> , 2022, 3, 100865.	2.8	0
111	Binding, Release and Functionalization of Intact Pnictogen Tetrahedra Coordinated to Dicopper Complexes. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4

#	ARTICLE	IF	CITATIONS
112	Use of heterometallic alkali metal–magnesium aryloxides in ring-opening polymerization of cyclic esters. <i>Dalton Transactions</i> , 2022, 51, 9144-9158.	1.6	1
113	Catalytic hydrophosphination of alkynes using structurally diverse sodium diphenylphosphide donor complexes. <i>Cell Reports Physical Science</i> , 2022, 3, 100942.	2.8	5
114	In Situ Grignard Metalation Method for the Synthesis of Hauser Bases. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	6
115	Reactivity of Tantalum/Iridium and Hafnium/Iridium Alkyl Hydrides with Alkyl Lithium Reagents: Nucleophilic Addition, Alpha-H Abstraction, or Hydride Deprotonation?. <i>Organometallics</i> , 2022, 41, 1675-1687.	1.1	4
116	Gram-scale Synthesis, Isolation and Characterisation of Sodium Organometallics: <i>n</i> -BuNa and NaTMP. <i>Helvetica Chimica Acta</i> , 2022, 105, .	1.0	10
117	Lithium, Magnesium, and Zinc Centers N,N'-Chelated by an Amine–Amide Hybrid Ligand. <i>Inorganic Chemistry</i> , 2022, 61, 9392-9404.	1.9	1
118	Hydrocarbon Soluble Alkali–Metal–Aluminium Hydride Surrogates [ATES]. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
119	Heavy Alkali Metal Manganate Complexes: Synthesis, Structures and Solvent-Induced Dissociation Effects. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
120	Prospective Evaluation of an Amide-Based Zinc Scaffold as an Anti-Alzheimer Agent: <i>In Vitro</i> , <i>In Vivo</i> , and Computational Studies. <i>ACS Omega</i> , 2022, 7, 26723-26737.	1.6	1
121	C–H Activation of Inert Arenes using a Photochemically Activated Guanidinato–Magnesium(I) Compound. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
122	Alkali metal influences in alumanyl complexes. <i>Dalton Transactions</i> , 2022, 51, 12476-12483.	1.6	11
123	Isolating elusive $\eta^5\text{-Al}(\text{O})\text{M}^{\text{TM}}$ intermediates in CO_2 reduction by bimetallic Al^{TM} complexes (M) J. Am. Chem. Soc. 2022, 144, 11111-11111. 0.7843	2.2	12
124	Small molecule activation with bimetallic systems: a landscape of cooperative reactivity. <i>Chemical Communications</i> , 2022, 58, 11220-11235.	2.2	26
125	Towards Substrate–Reagent Interaction of Lochmann–Schlosser Bases in THF: Bridging THF Hides Potential Reaction Site of a Chiral Superbase. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
126	Influence of reaction conditions on kumada catalytic transfer polymerization for synthesis of poly(p-phenylene) for organic semiconductors. <i>Journal of Polymer Research</i> , 2022, 29, .	1.2	0
127	Sodium Isopropyl(trimethylsilyl)amide: A Stable and Highly Soluble Lithium Diisopropylamide Mimic. <i>Journal of Organic Chemistry</i> , 2022, 87, 14223-14229.	1.7	5
128	(Bipyridine bisphenolate)-aluminum/onium salt pair: a highly active binary catalyst for ring-opening polymerization of lactide with improved thermostability and protic tolerance. <i>Polymer Chemistry</i> , 2022, 14, 45-54.	1.9	0
129	The emerging chemistry of the alumanyl anion. <i>Chemical Communications</i> , 2023, 59, 503-519.	2.2	27

#	ARTICLE	IF	CITATIONS
130	Schlenks Vermächtnis â€“ Methyllithium unter der Lupe. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
131	Synthesis, Characterization, and Structural Analysis of $[Al(NON^{Dipp})(H)(SiH_2Ph)]$ ($AM = Li, Na, K, Rb, Cs$) Compounds, Made Via Oxidative Addition of Phenylsilane to Alkali Metal Aluminyls. <i>Inorganic Chemistry</i> , 2022, 61, 19838-19846.	1.9	5
132	Schlenk's Legacy â€“ Methyllithium Put under Close Scrutiny. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	4
133	Generation of Allylmagnesium Reagents by Hydromagnesiation of 2-Aryl-1,3-dienes. <i>Angewandte Chemie</i> , 0, , .	1.6	0
134	Generation of Allylmagnesium Reagents by Hydromagnesiation of 2-Aryl-1,3-dienes. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	4
135	Alkali-Metal-Alkoxide Powered Zincation of Fluoroarenes Employing Zinc Bis-Amide $Zn(TMP)_2$. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
136	An overview of advancement of organoruthenium(II) complexes as prospective anticancer agents. <i>Coordination Chemistry Reviews</i> , 2023, 487, 215169.	9.5	11
137	Synthesis of Sterically Encumbered Alkaline-Earth Metal Amides Applying the In Situ Grignard Reagent Formation. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
138	Structural and synthetic insights into the chemistry of lithium tetraorganozincates. <i>Advances in Organometallic Chemistry</i> , 2023, , 1-38.	0.5	1
139	Li vs Na: Divergent Reaction Patterns between Organolithium and Organosodium Complexes and Ligand-Catalyzed Ketone/Aldehyde Methylenation. <i>Journal of the American Chemical Society</i> , 2023, 145, 6562-6576.	6.6	14
140	Structural and synthetic insights on oxidative homocouplings of alkynes mediated by alkali-metal manganates. <i>Chemistry - A European Journal</i> , 0, , .	1.7	0
141	Alkali-Metal-Alkoxide Powered Zincation of Fluoroarenes Employing Zinc Bis-Amide $Zn(TMP)_2$. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5
142	Comprehensive Study of the Enhanced Reactivity of Turbo-Grignard Reagents. <i>Angewandte Chemie</i> , 0, , .	1.6	0
143	Comprehensive Study of the Enhanced Reactivity of Turbo-Grignard Reagents**. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
144	Applying Na/Co(σ) bimetallic partnerships to promote multiple Co-H exchanges in polyfluoroarenes. <i>Chemical Communications</i> , 2023, 59, 5383-5386.	2.2	4
145	Snapshots of sequential polyphosphide rearrangement upon metallatetrylene addition. <i>Chemical Science</i> , 2023, 14, 4769-4776.	3.7	2
146	Deprotonative Generation and Trapping of Haloaryllithium in a Batch Reactor. <i>Organic Letters</i> , 2023, 25, 3013-3017.	2.4	5
149	Organolithium aggregation as a blueprint to construct polynuclear lithium nickelate clusters. <i>Chemical Communications</i> , 2023, 59, 7032-7035.	2.2	1

#	ARTICLE	IF	CITATIONS
157	Main group metal-mediated strategies for C–H and C–F bond activation and functionalisation of fluoroarenes. <i>Chemical Science</i> , 2023, 14, 11617-11628.	3.7	3
163	Isolable rubidium and caesium derivatives of common organic carbonyl compounds. <i>Chemical Communications</i> , 0, , .	2.2	0
164	Cooperative activation of carbon–hydrogen bonds by heterobimetallic systems. <i>Dalton Transactions</i> , 2024, 53, 1393-1409.	1.6	2
170	Carbanions of Alkali and Alkaline-Earth Cations: (II) Selectivity of Carbonyl Addition Reactions. , 2024, , .		0