

# Alkali-Metal Mediation: Diversity of Applications in M

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Alkali-Metal Mediation: Diversity of Applications in Main-Group Organometallic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9247-9262.	7.2	134
2	Alkali-Metal-Ion-Centered Sandwich Structures of 4-Bromophenyl[tris(pentafluorophenyl)]borates and Their Synthetic Utility. <i>Organometallics</i> , 2021, 40, 570-577.	1.1	3
3	Soluble, crystalline, and thermally stable alkali CO <sub>2</sub> <sup>2-</sup> and carbonite (CO <sub>2</sub> <sup>2-</sup> ) clusters supported by cyclic(alkyl)(amino) carbenes. <i>Chemical Science</i> , 2021, 12, 3544-3550.	3.7	12
4	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
5	A monomeric methyllithium complex: synthesis and structure. <i>Chemical Communications</i> , 2021, 57, 6205-6208.	2.2	16
6	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
7	Calcium and Magnesium Bis(β <sup>2</sup> -diketiminato) Complexes: Impact of the Alkylene Bridge on Schlenk-Type Rearrangements. <i>Inorganic Chemistry</i> , 2021, 60, 5310-5321.	1.9	3
8	Expected and Unexpected Reactivities of Homoleptic LiNacNac and Heteroleptic NacNacMg(TMP) β <sup>2</sup> -Diketiminates toward Various Small Unsaturated Organic Molecules. <i>Inorganic Chemistry</i> , 2021, 60, 6057-6064.	1.9	5
9	Heterotrimetallic Carbon Dioxide Copolymerization and Switchable Catalysts: Sodium is the Key to High Activity and Unusual Selectivity. <i>Angewandte Chemie</i> , 2021, 133, 13484-13491.	1.6	9
10	(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.	7.2	32
11	Heterotrimetallic Carbon Dioxide Copolymerization and Switchable Catalysts: Sodium is the Key to High Activity and Unusual Selectivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13372-13379.	7.2	49
12	CeCl <sub>3</sub> / n-BuLi: Enträtselung von Imamotos Organocerium-Reagenz. <i>Angewandte Chemie</i> , 2021, 133, 15750-15760.	1.6	2
13	Facilitating the Feration of Aromatic Substrates through Intramolecular Sodium Mediation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15296-15301.	7.2	20
14	Facilitating the Feration of Aromatic Substrates through Intramolecular Sodium Mediation. <i>Angewandte Chemie</i> , 2021, 133, 15424-15429.	1.6	6
15	Advancing Air- and Moisture-Compatible s-Block Organometallic Chemistry Using Sustainable Solvents. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3116-3130.	1.0	31
16	CeCl <sub>3</sub> / n-BuLi: Unraveling Imamoto's Organocerium Reagent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15622-15631.	7.2	13
17	Dihydrogen Activation by Lithium- and Sodium-Aluminyls. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22289-22292.	7.2	33
18	Dihydrogen Activation by Lithium- and Sodium-Aluminyls. <i>Angewandte Chemie</i> , 2021, 133, 22463-22466.	1.6	9

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19	Reactions of a Dilithiomethane with CO and N <sub>2</sub> O: An Avenue to an Anionic Ketene and a Hexafunctionalized Benzene. <i>Angewandte Chemie</i> , 2021, 133, 25485-25489.	1.6	5
20	Reactions of a Dilithiomethane with CO and N <sub>2</sub> O: An Avenue to an Anionic Ketene and a Hexafunctionalized Benzene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25281-25285.	7.2	18
21	Heterometallic Mg <sup>2+</sup> Ba Hydride Clusters in Hydrogenation Catalysis. <i>ChemCatChem</i> , 2021, 13, 4567-4577.	1.8	10
22	Lateral Metallation and Redistribution Reactions of Sodium Ferrates Containing Bulky 2,6-diisopropyl- <i>N</i> -(trimethylsilyl)anilide Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 15181-15187.	1.7	10
23	The impact of alkali and alkaline earth metals on green ammonia synthesis. <i>CheM</i> , 2021, 7, 3203-3220.	5.8	19
24	Synthesis, Crystal and Electronic Structures of a Thiophosphinoyl- and Amino-Substituted Metallated Ylide. <i>ChemistryOpen</i> , 2021, 10, 1089-1094.	0.9	6
25	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
26	Advances in deep eutectic solvents and water: applications in metal- and biocatalyzed processes, in the synthesis of APIs, and other biologically active compounds. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2558-2577.	1.5	87
27	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
28	Cooperative Bond Activation by a Bimetallic Main-Group Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 142-148.	6.6	27
29	Reductive Dimerization of CO by a Na/Mg(I) Diamide. <i>Journal of the American Chemical Society</i> , 2021, 143, 17851-17856.	6.6	31
31	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
32	The Resurrection of Murahashi Coupling after Four Decades. <i>ACS Catalysis</i> , 2021, 11, 13188-13202.	5.5	17
33	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
34	Synthesis, Characterization, DFT study and Molecular Docking of (Z)-4-((2-hydroxy-3-methoxy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18) of Molecular Structure, 2022, 1250, 131674.	1.8	4
35	A one-pot two-step synthesis of tertiary alcohols combining the biocatalytic laccase/TEMPO oxidation system with organolithium reagents in aerobic aqueous media at room temperature. <i>Chemical Communications</i> , 2021, 57, 13534-13537.	2.2	9
36	Controlling Al <sup>3+</sup> -M Interactions in Group 1 Metal Aluminyls (M = Li, Na, and K). Facile Conversion of Dimers to Monomeric and Separated Ion Pairs. <i>Inorganic Chemistry</i> , 2021, 60, 18423-18431.	1.9	12
37	Heterotrinary Ring Opening Copolymerization Catalysis: Structure-activity Relationships. <i>ACS Catalysis</i> , 2021, 11, 14819-14828.	5.5	22

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38	CH Activation of Cationic Bismuth Amides: Heteroaromaticity, Derivatization, and Lewis Acidity. <i>Inorganic Chemistry</i> , 2021, 60, 19086-19097.	1.9	17
39	Gold carbene complexes and beyond: new avenues in gold(I)-carbon coordination chemistry. <i>Gold Bulletin</i> , 2022, 55, 1-13.	1.1	5
40	Combination of air/moisture/ambient temperature compatible organolithium chemistry with sustainable solvents: selective and efficient synthesis of guanidines and amidines. <i>Green Chemistry</i> , 2022, 24, 800-812.	4.6	7
41	Phosphazene base-catalyzed hydroamination of aminoalkenes for the construction of isoindoline scaffolds: Application to the total synthesis of aristocularine. <i>Tetrahedron Letters</i> , 2022, 89, 153599.	0.7	2
42	Arylboronic Acid Catalyzed Dehydrative Mono-/Dialkylation Reactions of $\beta$ -Ketoacids and Alcohols. <i>Organic Letters</i> , 2022, 24, 832-836.	2.4	0
43	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
44	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
45	Organometallic Complexes of the Alkali Metals. , 2022, , .		2
46	The Pivotal Role of s-, p-, and f-Block Metals in Water Electrolysis: Status Quo and Perspectives. <i>Advanced Materials</i> , 2022, 34, e2108432.	11.1	55
47	Hexamethyldisilazane Lithium (LiHMDS)-Promoted Hydroboration of Alkynes and Alkenes with Pinacolborane. <i>Journal of Organic Chemistry</i> , 2022, 87, 3442-3452.	1.7	12
48	Versatile Coordination Modes of Multidentate Neutral Amine Ligands with Group 1 Metal Cations. <i>Inorganic Chemistry</i> , 2022, 61, 3674-3682.	1.9	9
49	Metallation of sensitive fluoroarenes using a potassium TMP-zincate supported by a silyl(bis)amido ligand. <i>Chemical Communications</i> , 2022, 58, 5292-5295.	2.2	9
50	Reaction of electrons trapped in cryogenic matrices with benzophenone. <i>Journal of Physical Organic Chemistry</i> , 0, , .	0.9	1
51	Activation of polar organometallic reagents with alkali-metal alkoxides. , 2022, 1, 195-202.		10
52	Benzylic Aroylation of Toluenes Mediated by a $\text{LiN}(\text{SiMe}_3)_2/\text{Cs}^+\text{C}_6\text{H}_5^-$ System. <i>Journal of Organic Chemistry</i> , 2022, 87, 406-418.	1.7	25
53	Continuous Flow Preparation of Benzylic Sodium Organometallics. <i>Angewandte Chemie</i> , 0, , .	1.6	2
54	Continuous Flow Preparation of Benzylic Sodium Organometallics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	21
55	Lithium achieves sequence selective ring-opening terpolymerisation (ROTERP) of ternary monomer mixtures. <i>Chemical Science</i> , 2022, 13, 6355-6365.	3.7	14

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56	Binding, Release and Functionalization of Intact Princtogen Tetrahedra Coordinated to Dicopper Complexes. Chemistry - A European Journal, 2022, 28, .	1.7	4
57	A Planar Five-Membered Aromatic Ring Stabilized by Only Two $\pi$ -Electrons. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
58	A Planar Five-Membered Aromatic Ring Stabilized by Only Two $\pi$ -Electrons. Angewandte Chemie, 0, , .	1.6	0
59	<sup>t</sup> BuOLi-Promoted Hydroboration of Esters and Epoxides. ACS Omega, 2022, 7, 18876-18886.	1.6	11
60	Catalytic hydrophosphination of alkynes using structurally diverse sodium diphenylphosphide donor complexes. Cell Reports Physical Science, 2022, 3, 100942.	2.8	5
61	Transition Metal-Free Catalytic C-H Silylation of Terminal Alkynes with bis(Trimethylsilyl)acetylene Initiated by KHMDS. ChemCatChem, 2022, 14, .	1.8	7
62	Lithium, Magnesium, and Zinc Centers N,N'-Chelated by an Amine-Amide Hybrid Ligand. Inorganic Chemistry, 2022, 61, 9392-9404.	1.9	1
63	Hydrocarbon Soluble Alkali-Metal-Aluminium Hydride Surrog[ATES]. Chemistry - A European Journal, 2022, 28, .	1.7	9
64	Heavy Alkali Metal Manganate Complexes: Synthesis, Structures and Solvent-Induced Dissociation Effects. Chemistry - A European Journal, 2022, 28, .	1.7	4
65	Sodium phosphides as efficient and sustainable catalysts for hydrophosphination of alkynes. Chem Catalysis, 2022, 2, 1529-1531.	2.9	0
66	Prospective Evaluation of an Amide-Based Zinc Scaffold as an Anti-Alzheimer Agent: <i>In Vitro</i> , <i>In Vivo</i> , and Computational Studies. ACS Omega, 2022, 7, 26723-26737.	1.6	1
67	Aerobic/Room-Temperature-Compatible $\alpha$ -Block Organometallic Chemistry in Neat Conditions: A Missing Synthetic Tool for the Selective Conversion of Nitriles into Asymmetric Alcohols. ChemSusChem, 2022, 15, .	3.6	6
68	Ring-Opening Polymerization of L-Lactide Catalyzed by Potassium-Based Complexes: Mechanistic Studies. Polymers, 2022, 14, 2982.	2.0	3
69	The Interaction of K and O <sub>2</sub> on Au(111): Multiple Growth Modes of Potassium Oxide and Their Catalytic Activity for CO Oxidation. Angewandte Chemie, 2022, 134, .	1.6	2
70	The Interaction of K and O <sub>2</sub> on Au(111): Multiple Growth Modes of Potassium Oxide and Their Catalytic Activity for CO Oxidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	4
71	Alkali metal influences in aluminyl complexes. Dalton Transactions, 2022, 51, 12476-12483.	1.6	11
72	Isolating elusive $\eta^5$ -Al( $\frac{1}{4}$ -O)M <sup>TM</sup> intermediates in CO <sub>2</sub> reduction by bimetallic Al-M complexes (M) Tj ETQq0,0 0 rgBT /	2.2	12
73	Towards Substrate-Reagent Interaction of Lochmann-Schlosser Bases in THF: Bridging THF Hides Potential Reaction Site of a Chiral Superbase. Chemistry - A European Journal, 2022, 28, .	1.7	5

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74	Building Square Planar Cobalt (II) Complexes via Sodium Mediated Cobaltation of Fluoroarenes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
75	Building Square Planar Cobalt (II) Complexes via Sodium Mediated Cobaltation of Fluoroarenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
76	NaK alloy: underrated liquid metal. <i>Journal of Materials Chemistry A</i> , 2022, 10, 22955-22976.	5.2	3
77	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
78	Perdeuteration of Arenes via Hydrogen Isotope Exchange Catalyzed by the Superbasic Sodium Amide Donor Species NaTMPA·PMDTA. <i>Journal of the American Chemical Society</i> , 2022, 144, 20237-20242.	6.6	15
79	Base-Promoted Tandem Synthesis of 3,4-Dihydroisoquinolones. <i>Organic Letters</i> , 2022, 24, 8125-8129.	2.4	2
80	Dicarbocation Compounds: The Bridge between Organometallic Reagents and Mononuclear Heterocycles. <i>Organometallics</i> , 2022, 41, 3455-3477.	1.1	7
81	The emerging chemistry of the alumanyl anion. <i>Chemical Communications</i> , 2023, 59, 503-519.	2.2	27
82	Sustainable and practical formation of carbon-carbon and carbon-heteroatom bonds employing organo-alkali metal reagents. <i>Chemical Science</i> , 2023, 14, 1342-1362.	3.7	7
83	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
84	Transition metal-free ketene formation from carbon monoxide through isolable ketenyl anions. <i>Science</i> , 2022, 378, 1331-1336.	6.0	28
85	Regulating the charge densities of s-Block calcium single-atom site catalysts for efficient N <sub>2</sub> activation and reduction. <i>Chemical Engineering Journal</i> , 2023, 457, 141187.	6.6	6
86	An Aluminum Telluride with a Terminal Al=Te Bond and its Conversion to an Aluminum Tellurocarbonate by CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	6
87	An Aluminum Telluride with a Terminal Al=Te Bond and its Conversion to an Aluminum Tellurocarbonate by CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
88	Alkali-Metal-Alkoxide Powered Zincation of Fluoroarenes Employing Zinc Bis-Amide Zn(TMP) <sub>2</sub> . <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
90	The Promotional Effect of Na on Ru for pH-Universal Hydrogen Evolution Reactions. <i>Catalysts</i> , 2023, 13, 552.	1.6	0
91	Cation-controlled chemoselective synthesis of <i>N</i> -aroylureas and imides via amidation of <i>N</i> -Boc arylamides. <i>Organic Chemistry Frontiers</i> , 2023, 10, 2061-2069.	2.3	0
92	Alkali-Metal-Alkoxide Powered Zincation of Fluoroarenes Employing Zinc Bis-Amide Zn(TMP) <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5

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93	From oximes to tertiary alcohols in water, at room temperature and under air: a hybrid one-pot tandem assembly of enzymatic deoxygenation and RLi/RMgX reagents. <i>Organic and Biomolecular Chemistry</i> , 0, , .	1.5	1
94	Applying Na/Co bimetallic partnerships to promote multiple C-H exchanges in polyfluoroarenes. <i>Chemical Communications</i> , 2023, 59, 5383-5386.	2.2	4
96	Efficient synthesis of quinolines through alkali-catalysed cascade Oppenauer oxidation/condensation of amino alcohols with ketones. <i>New Journal of Chemistry</i> , 2023, 47, 11765-11769.	1.4	1
122	Opportunities with calcium Grignard reagents and other heavy alkaline-earth organometallics. <i>Nature Reviews Chemistry</i> , 2023, 7, 843-853.	13.8	0
125	Isolable rubidium and caesium derivatives of common organic carbonyl compounds. <i>Chemical Communications</i> , 0, , .	2.2	0
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