

# Simon Aldridge

## 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.

246  
papers

9,314  
citations

51  
h-index

84  
g-index

276  
ext. papers

10,593  
ext. citations

8.8  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
246	A crystalline radical cation derived from Thiele's hydrocarbon with redox range beyond 1 V. <i>Nature Communications</i> , <b>2021</b> , 12, 7052	17.4	2
245	Generation of a $\sigma$ -Bonded Isomer of $[P_4]^{4-}$ by Aluminyl Reduction of White Phosphorus and its Ammonolysis to $PH_3$ . <i>Angewandte Chemie</i> , <b>2021</b> , 133, 26754	3.6	0
244	Generation of a $\sigma$ -Bonded Isomer of $[P_4]^{4-}$ by Aluminyl Reduction of White Phosphorus and its Ammonolysis to $PH_3$ . <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26550-26554	16.4	1
243	Synthesis, structure and reactivity of terphenyl-substituted germylium-ylidene cations. <i>Polyhedron</i> , <b>2021</b> , 196, 115006	2.7	3
242	Colorimetric Metal-Free Detection of Carbon Monoxide: Reversible CO Uptake by a BNB Frustrated Lewis Pair. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16416-16419	16.4	2
241	Controlling Catenation in Germanium(II) Chemistry through Hemilability. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15606-15612	16.4	1
240	Controlling Catenation in Germanium(II) Chemistry through Hemilability. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15734-15740	3.6	0
239	Colorimetric Metal-Free Detection of Carbon Monoxide: Reversible CO Uptake by a BNB Frustrated Lewis Pair. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16552	3.6	0
238	N-nacnac stabilized tetrylenes: access to silicon hydride systems via migration processes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 1679-1684	1.3	0
237	The Aluminyl Anion: A New Generation of Aluminium Nucleophile. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1702-1713	16.4	60
236	The Aluminyl Anion: A New Generation of Aluminium Nucleophile. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 1726-1737	16.37	17
235	Partnering a Three-Coordinate Gallium Cation with a Hydroborate Counter-Ion for the Catalytic Hydrosilylation of CO. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2138-2148	4.8	7
234	Acid-Base Free Main Group Carbonyl Analogues. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8626-8648	16.4	25
233	Approaching a "Naked" Boryl Anion: Amide Metathesis as a Route to Calcium, Strontium, and Potassium Boryl Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2064-2068	16.4	9
232	A Xanthene-Based Mono-Anionic PON Ligand: Exploiting a Bulky, Electronically Unsymmetrical Donor in Main Group Chemistry. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3159-3165	4.8	0
231	Approaching a "Naked" Boryl Anion: Amide Metathesis as a Route to Calcium, Strontium, and Potassium Boryl Complexes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2092-2096	3.6	6
230	Acid-Base Free Main Group Carbonyl Analogues. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8708-8730	3.6	7

229	Reactions of a diborylstannylene with CO and NO: diboration of carbon dioxide by a main group bis(boryl) complex. <i>Dalton Transactions</i> , <b>2021</b> , 50, 9059-9067	4.3	1
228	Molecular Main Group Metal Hydrides. <i>Chemical Reviews</i> , <b>2021</b> , 121, 12784-12965	68.1	22
227	Probing the Extremes of Covalency in M-Al bonds: Lithium and Zinc Aluminyl Compounds. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 22475-22480	3.6	0
226	Probing the Extremes of Covalency in M-Al bonds: Lithium and Zinc Aluminyl Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22301-22306	16.4	10
225	Coinage metal aluminyl complexes: probing regiochemistry and mechanism in the insertion and reduction of carbon dioxide. <i>Chemical Science</i> , <b>2021</b> , 12, 13458-13468	9.4	8
224	Probing the non-innocent nature of an amino-functionalised Ediketiminato ligand in silylene/iminosilane systems. <i>Dalton Transactions</i> , <b>2020</b> , 49, 8701-8709	4.3	2
223	Cooperative N-H bond activation by amido-Ge(ii) cations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9495-9504	4.3	5
222	N-H cleavage vs. Werner complex formation: reactivity of cationic group 14 tetrelenes towards amines. <i>Chemical Communications</i> , <b>2020</b> , 56, 4684-4687	5.8	16
221	Carbon Monoxide Activation by a Molecular Aluminium Imide: C-O Bond Cleavage and C-C Bond Formation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4897-4901	16.4	47
220	Carbon Monoxide Activation by a Molecular Aluminium Imide: C=O Bond Cleavage and C=C Bond Formation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4927-4931	3.6	19
219	Activation of Protic, Hydridic and Apolar E-H Bonds by a Boryl-Substituted Ge Cation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 306-315	4.8	19
218	Arene C-H Activation at Aluminium(I): meta Selectivity Driven by the Electronics of S Ar Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20376-20380	16.4	20
217	Arene C=H Activation at Aluminium(I): meta Selectivity Driven by the Electronics of S N Ar Chemistry. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20556-20560	3.6	8
216	A nucleophilic gold complex. <i>Nature Chemistry</i> , <b>2019</b> , 11, 237-241	17.6	82
215	An N-Heterocyclic Boryloxy Ligand Isoelectronic with N-Heterocyclic Imines: Access to an Acyclic Dioxysilylene and its Heavier Congeners. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4901-4905	3.6	10
214	An N-Heterocyclic Boryloxy Ligand Isoelectronic with N-Heterocyclic Imines: Access to an Acyclic Dioxysilylene and its Heavier Congeners. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4847-4851	16.4	29
213	Acyclic 1,2-dimagnesioethanes/-ethene derived from magnesium(i) compounds: multipurpose reagents for organometallic synthesis. <i>Chemical Science</i> , <b>2019</b> , 10, 3208-3216	9.4	19
212	An Acid-Free Anionic Oxoborane Isoelectronic with Carbonyl: Facile Access and Transfer of a Terminal B=O Double Bond. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8073-8077	16.4	43

211	Reversible O-H bond activation by an intramolecular frustrated Lewis pair. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2896-2899	4.3	4
210	Reversible borohydride formation from aluminium hydrides and {H(9-BBN)}: structural, thermodynamic and reactivity studies. <i>Dalton Transactions</i> , <b>2019</b> , 48, 10845-10852	4.3	4
209	Synthetic, structural and reaction chemistry of N-heterocyclic germylene and stannylene compounds featuring N-boryl substituents. <i>Dalton Transactions</i> , <b>2019</b> , 48, 11951-11960	4.3	9
208	Reversible, Room-Temperature C-C Bond Activation of Benzene by an Isolable Metal Complex. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11000-11003	16.4	100
207	Trapping and Reactivity of a Molecular Aluminium Oxide Ion. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17425-17428	3.6	20
206	Innenrücktitelbild: An N-Heterocyclic Boryloxy Ligand Isoelectronic with N-Heterocyclic Imines: Access to an Acyclic Dioxysilylene and its Heavier Congeners (Angew. Chem. 15/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5189-5189	3.6	
205	Trapping and Reactivity of a Molecular Aluminium Oxide Ion. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17265-17268	16.4	49
204	Reduction of Carbon Oxides by an Acyclic Silylene: Reductive Coupling of CO. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1822-1826	3.6	12
203	Borylated N-Heterocyclic Carbenes: Rearrangement and Chemical Trapping. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2556-2568	4.8	1
202	Reduction of Carbon Oxides by an Acyclic Silylene: Reductive Coupling of CO. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1808-1812	16.4	45
201	Synthesis, structure and reaction chemistry of a nucleophilic aluminyl anion. <i>Nature</i> , <b>2018</b> , 557, 92-95	50.4	173
200	Frustrated Lewis pairs incorporating the bifunctional Lewis acid 1,1'-fc{B(CF)}: reactivity towards small molecules. <i>Dalton Transactions</i> , <b>2018</b> , 47, 1588-1598	4.3	4
199	On the Viability of Catalytic Turnover via Al-O/B-H Metathesis: The Reactivity of $\delta$ -Diketiminato Aluminium Hydrides towards CO and Boranes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13624-13635	4.8	29
198	Experimental and quantum chemical studies of anionic analogues of N-heterocyclic carbenes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7445-7455	4.3	18
197	N-nacnac Stabilized Tetrelenes: Formation of an N,P-Heterocyclic Germylene via C $\sigma$ Bond Insertion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 1238-1242	1.3	12
196	A $\delta$ -Diketiminato-Stabilized Sila-Acyl Chloride: Systematic Access to Base-Stabilized Silicon Analogues of Classical Carbonyl Compounds. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14103-14107	3.6	13
195	Successive Protonation of an N-Heterocyclic Imine Derived Carbonyl: Superelectrophilic Dication Versus Masked Acylium Ion. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16797-16801	3.6	4
194	Successive Protonation of an N-Heterocyclic Imine Derived Carbonyl: Superelectrophilic Dication Versus Masked Acylium Ion. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16559-16563	16.4	6

193	A $\delta$ -Diketiminato-Stabilized Sila-Acyl Chloride: Systematic Access to Base-Stabilized Silicon Analogues of Classical Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13907-13911	16.4	28
192	Reversible C-H Activation, Facile C-B/B-H Metathesis and Apparent Hydroboration Catalysis by a Dimethylxanthene-Based Frustrated Lewis Pair. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10531-10540	4.8	20
191	Highly Electron-Rich $\delta$ -Diketiminato Systems: Synthesis and Coordination Chemistry of Amino-Functionalized "N-nacnac" Ligands. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5830-5841	4.8	30
190	A zwitterionic hydrocarbon-soluble borenium ion based on a $\delta$ -diketiminato backbone. <i>Chemical Communications</i> , <b>2017</b> , 53, 5981-5984	5.8	6
189	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7783-7786	16.4	18
188	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7891-7894	3.6	3
187	Structural snapshots of concerted double E-H bond activation at a transition metal centre. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1256-1262	17.6	33
186	A Gallium Hydride as an Oxidizing Agent: Direct Synthesis of Ir Complexes via Ga-H Bond Activation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16906-16913	4.8	8
185	Electronic Delocalization in Two and Three Dimensions: Differential Aggregation in Indium "Metalloid" Clusters. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15098-15102	16.4	25
184	On the Redox Reactivity of a Geometrically Constrained Phosphorus(III) Compound. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15455-15465	4.8	20
183	A Combined Experimental/Computational Study of the Mechanism of a Palladium-Catalyzed Bora-Negishi Reaction. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12655-12667	4.8	7
182	Electronic Delocalization in Two and Three Dimensions: Differential Aggregation in Indium Metalloid Clusters. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15294-15298	3.6	9
181	A stable heavier group 14 analogue of vinylidene. <i>Nature Chemistry</i> , <b>2016</b> , 8, 1022-1026	17.6	85
180	On the Ambiphilic Reactivity of Geometrically Constrained Phosphorus(III) and Arsenic(III) Compounds: Insights into Their Interaction with Ionic Substrates. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15712-15724	4.8	21
179	A Systematic Study of Structure and E-H Bond Activation Chemistry by Sterically Encumbered Germylene Complexes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11685-98	4.8	68
178	Stabilization of a two-coordinate, acyclic diaminosilylene (ADASi): completion of the series of isolable diaminotetrylenes, :E(NR(2))(2) (E = group 14 element). <i>Chemical Communications</i> , <b>2016</b> , 52, 1717-20	5.8	75
177	Enabling and Probing Oxidative Addition and Reductive Elimination at a Group 14 Metal Center: Cleavage and Functionalization of E-H Bonds by a Bis(boryl)stannylyene. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4555-64	16.4	117
176	Catalytic B-N Dehydrogenation Using Frustrated Lewis Pairs: Evidence for a Chain-Growth Coupling Mechanism. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3306-9	16.4	68

175	Boryl substituted group 13 metallylenes: complexes with an iron carbonyl fragment. <i>Chemical Communications</i> , <b>2016</b> , 53, 149-152	5.8	16
174	Exploiting Electrostatics To Generate Unsaturation: Oxidative Ge=E Bond Formation Using a Non EDonor Stabilized [R(L)Ge:] <sup>+</sup> Cation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 386-390	3.6	29
173	Exploiting Electrostatics To Generate Unsaturation: Oxidative Ge=E Bond Formation Using a Non EDonor Stabilized [R(L)Ge:] <sup>(+)</sup> Cation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 378-82	16.4	52
172	Cooperative bond activation and catalytic reduction of carbon dioxide at a group 13 metal center. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5098-102	16.4	113
171	Extension of conjugation: probing anion binding strength and reporter mechanisms in (phenyl)cyclopentadienyl and indenyl receptors. <i>Dalton Transactions</i> , <b>2015</b> , 44, 13049-59	4.3	8
170	Group 13 Metal-Metal Bonds <b>2015</b> , 455-484		4
169	Utilisation of a lithium boryl as a reducing agent in low oxidation state group 15 chemistry: synthesis and characterisation of an amido-distibene and a boryl-dibismuthene. <i>Chemical Communications</i> , <b>2015</b> , 51, 7128-31	5.8	53
168	Facile reversibility by design: tuning small molecule capture and activation by single component frustrated Lewis pairs. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12227-30	16.4	57
167	E-H Bond Activation of Ammonia and Water by a Geometrically Constrained Phosphorus(III) Compound. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13962-13967	3.6	40
166	E-H Bond Activation of Ammonia and Water by a Geometrically Constrained Phosphorus(III) Compound. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13758-63	16.4	111
165	Catalytic Borylation using an Air-Stable Zinc Boryl Reagent: Systematic Access to Elusive Acylboranes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14365-14369	3.6	26
164	Bifunctional Indenyl-Derived Receptors for Fluoride Chelation and Detection. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11813-24	4.8	7
163	Cooperative Bond Activation and Catalytic Reduction of Carbon Dioxide at a Group 13 Metal Center. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5187-5191	3.6	33
162	Cobalt Boryl Complexes: Enabling and Exploiting Migratory Insertion in Base-Metal-Mediated Borylation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9586-90	16.4	38
161	Cobalt Boryl Complexes: Enabling and Exploiting Migratory Insertion in Base-Metal-Mediated Borylation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9722-9726	3.6	14
160	Catalytic Borylation using an Air-Stable Zinc Boryl Reagent: Systematic Access to Elusive Acylboranes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14159-63	16.4	43
159	Coordination and Activation of EH Bonds (E=B, Al, Ga) at Transition Metal Centers. <i>Advances in Organometallic Chemistry</i> , <b>2015</b> , 1-38	3.8	16
158	Reactivity of Boryl- and Silyl-Substituted Carbenoids toward Alkynes: Insertion and Cycloaddition Chemistry. <i>Organometallics</i> , <b>2015</b> , 34, 2126-2129	3.8	46

157	Probing the limits of ligand steric bulk: backbone C-H activation in a saturated N-heterocyclic carbene. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3825-30	4.8	14
156	Stable GaX <sub>2</sub> , InX <sub>2</sub> and TlX <sub>2</sub> radicals. <i>Nature Chemistry</i> , <b>2014</b> , 6, 315-9	17.6	89
155	Anionic N-heterocyclic carbenes (NHCs): a versatile route to saturated NHCs bearing pendant weakly coordinating anions. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15279-82	4.3	11
154	Modulating reactivity in iridium bis(N-heterocyclic carbene) complexes: influence of ring size on E-H bond activation chemistry. <i>Dalton Transactions</i> , <b>2014</b> , 43, 12288-98	4.3	20
153	Heavy metal boryl chemistry: complexes of cadmium, mercury and lead. <i>Chemical Communications</i> , <b>2014</b> , 50, 3841-4	5.8	53
152	Circumventing redox chemistry: synthesis of transition metal boryl complexes from a boryl nucleophile by decarbonylation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15730-41	16.4	37
151	Coordination and activation of Al-H and Ga-H bonds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 17624-34	4.8	41
150	Oxidative bond formation and reductive bond cleavage at main group metal centers: reactivity of five-valence-electron MX <sub>4</sub> radicals. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10902-5	16.4	32
149	Synthetic, redox and coordination chemistry of bis(pentachlorophenyl)boryl ferrocene, FcB(C <sub>6</sub> Cl <sub>5</sub> ) <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 769, 11-16	2.3	10
148	Expanded-ring N-heterocyclic carbenes for the stabilization of highly electrophilic gold(I) cations. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16721-31	4.8	45
147	Rationalizing and Disrupting Fluxional Processes in Agostically Stabilized 14-Electron Alkyliridium Hydride Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4877-4885	2.3	4
146	A molecular 'traffic light': highly selective cyanide sensing in aqueous media by a CpFe(indenyl)-functionalized borane. <i>Dalton Transactions</i> , <b>2013</b> , 42, 12836-9	4.3	22
145	Al-H $\sigma$ bond coordination: expanded ring carbene adducts of AlH <sub>3</sub> as neutral bi- and tri-functional donor ligands. <i>Chemical Communications</i> , <b>2013</b> , 49, 5547-9	5.8	34
144	Bulky N-heterocyclic carbene and pyridine donor adducts of Co(II) bromide: Influence on reactivity of stoichiometry, sterics and donor capability. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 741-742, 33-39 <sup>2-3</sup>	2.3	11
143	Formation of sub-valent carbenoid ligands by metal-mediated dehydrogenation chemistry: coordination and activation of H <sub>2</sub> Ga{(NDippCMe) <sub>2</sub> CH}. <i>Chemical Science</i> , <b>2013</b> , 4, 4245	9.4	35
142	Coordinative trapping of the boron $\sigma$ -diketiminato system [B(NMesCMe) <sub>2</sub> CH] via metal-templated synthesis. <i>Chemical Communications</i> , <b>2013</b> , 49, 1509-11	5.8	14
141	Salt metathesis for the synthesis of M-Al and M-H-Al bonds. <i>Dalton Transactions</i> , <b>2013</b> , 42, 249-58	4.3	40
140	A Generic One-Pot Route to Acyclic Two-Coordinate Silylenes from Silicon(IV) Precursors: Synthesis and Structural Characterization of a Silylsilylene. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 596-599	3.6	53

139	A generic one-pot route to acyclic two-coordinate silylenes from silicon(IV) precursors: synthesis and structural characterization of a silylsilylene. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 568-71	16.4	108
138	Aminoborane $\pi$ -Complexes: Significance of Hydride Co-ligands in Dynamic Processes and Dehydrogenative Borylene Formation. <i>Organometallics</i> , <b>2013</b> , 32, 1583-1586	3.8	27
137	Substituent effects on iron boryl and borylene systems: Unusual reactivity and spectroscopic properties. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 745-746, 487-493	2.3	6
136	Syntheses and Anion Binding Capabilities of Bis(diarylboryl) Ferrocenes and Related Systems. <i>Organometallics</i> , <b>2013</b> , 32, 2674-2684	3.8	17
135	Frustrated Lewis pairs as molecular receptors: colorimetric and electrochemical detection of nitrous oxide. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 14094-7	16.4	23
134	Frustrated Lewis Pairs as Molecular Receptors: Colorimetric and Electrochemical Detection of Nitrous Oxide. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 14344-14347	3.6	8
133	Hydrogen shuttling: synthesis and reactivity of a 14-electron iridium complex featuring a bis(alkyl) tethered N-heterocyclic carbene ligand. <i>Chemical Communications</i> , <b>2012</b> , 48, 11999-2001	5.8	27
132	Interaction of In(I) and Tl(I) cations with 2,6-diaryl pyridine ligands: cation encapsulation within a very weakly interacting N/arene host environment. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 13017-22	5.1	9
131	A stable two-coordinate acyclic silylene. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6500-3	16.4	329
130	$\sigma$ -Alane complexes of chromium, tungsten, and manganese. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2551-4	16.4	41
129	Sterically Encumbered Iridium Bis(N-heterocyclic carbene) Complexes: Air-Stable 14-Electron Cations and Facile Degenerate C-H Activation. <i>Organometallics</i> , <b>2012</b> , 31, 8075-8078	3.8	25
128	Dimethylamine borane dehydrogenation chemistry: syntheses, X-ray and neutron diffraction studies of 18-electron aminoborane and 14-electron aminoboryl complexes. <i>Chemical Communications</i> , <b>2012</b> , 48, 8096-8	5.8	52
127	(Dimethylamino)borylene and Related Complexes of Electron-Rich Metal Fragments: Generation of Nucleophile-Resistant Cations by Spontaneous Halide Ejection. <i>Organometallics</i> , <b>2012</b> , 31, 1092-1102	3.8	8
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117	Extending the Chain: Synthetic, Structural, and Reaction Chemistry of a BN Allenylidene Analogue. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9070-9073	3.6	3
116	Iridium-mediated borylation of benzylic C-H bonds by borohydride. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1359-62	16.4	49
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113	Modelling fundamental arene-borane contacts: spontaneous formation of a dibromoborenum cation driven by interaction between a borane Lewis acid and an arene $\pi$ -system. <i>Chemical Communications</i> , <b>2011</b> , 47, 12295-7	5.8	49
112	Responses to unsaturation in iridium mono(N-heterocyclic carbene) complexes: synthesis and oligomerization of [Lr(H)2Cl] and [Lr(H)2]+. <i>Chemical Communications</i> , <b>2011</b> , 47, 2523-5	5.8	27
111	Nature of M-Ga Bonds in cationic metal-gallylene complexes of iron, ruthenium, and osmium, [( $\eta$ -C5H5)(L)2M(GaX)]+: a theoretical study. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 1798-807	5.1	17
110	Probing the intrinsic structure and dynamics of aminoborane coordination at late transition metal centers: mono( $\eta$ BH) binding in [CpRu(PR3)2(H2BNCy2)]+. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8494-7	16.4	51
109	Borane to boryl hydride to borylene dihydride: explicit demonstration of boron-to-metal $\pi$ -hydride migration in aminoborane activation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11500-3	16.4	39
108	Syntheses of homochiral 1,2-ferrocene-functionalized Lewis acids and acid/base pairs. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 2528-2532	2.3	25
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104	Dehydrogenation of saturated CC and BN bonds at cationic N-heterocyclic carbene stabilized M(III) centers (M = Rh, Ir). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10578-91	16.4	132

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101	Contrasting reactivity of anionic boron- and gallium-containing NHC analogues: E-C vs. E-M bond formation (E = B, Ga). <i>Chemical Communications</i> , <b>2010</b> , 46, 8546-8	5.8	28
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95	Rhodium and iridium aminoborane complexes: coordination chemistry of BN alkene analogues. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 921-5	16.4	108
94	Eine Brücke zwischen Koordinations- und Clusterverbindungen: ungewöhnliche Bindungsweisen des Zinks. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 4172-4174	3.6	5
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