Michael Ingleson

List of Publications by Year
in descending order

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111 papers	6,238 citations	47 h-index	73 g-index
		47006	79698
131 all docs	131 docs citations	131 times ranked	4846 citing authors

#	Article	IF	Citations
1	Framework functionalisation triggers metal complex binding. Chemical Communications, 2008, , 2680.	4.1	280
2	Fused polycyclic aromatics incorporating boron in the core: fundamentals and applications. Chemical Communications, 2015, 51, 6257-6274.	4.1	211
3	Generation of a solid BrÃ¸nsted acid site in a chiral framework. Chemical Communications, 2008, , 1287.	4.1	203
4	Mechanistic Studies into Amine-Mediated Electrophilic Arene Borylation and Its Application in MIDA Boronate Synthesis. Journal of the American Chemical Society, 2013, 135, 474-487.	13.7	192
5	Pinacol Boronates by Direct Arene Borylation with Borenium Cations. Angewandte Chemie - International Edition, 2011, 50, 2102-2106.	13.8	186
6	N-Heterocyclic carbene chemistry of iron: fundamentals and applications. Chemical Communications, 2012, 48, 3579.	4.1	183
7	Chelate Restrained Boron Cations for Intermolecular Electrophilic Arene Borylation. Organometallics, 2010, 29, 241-249.	2.3	145
8	Intramolecular (directed) electrophilic Câ€“H borylation. Chemical Society Reviews, 2020, 49, 4564-4591.	38.1	140
9	Enhancing electron affinity and tuning band gap in donorâ€“acceptor organic semiconductors by benzothiadiazole directed Câ€“H borylation. Chemical Science, 2015, 6, 5144-5151.	7.4	134
10	The Hydrideâ€ion Affinity of Borenium Cations and Their Propensity to Activate H₂ in Frustrated Lewis Pairs. Chemistry - A European Journal, 2013, 19, 2462-2466.	3.3	125
11	Three-Coordinate Co(I) Provides Access to Unsaturated Dihydrido-Co(III) and Seven-Coordinate Co(V). Journal of the American Chemical Society, 2006, 128, 1804-1805.	13.7	123
12	Highly selective catalytic trans-hydroboration of alkynes mediated by borenium cations and B(C₆F₅)₃. Chemical Science, 2016, 7, 3384-3389.	7.4	116
13	Nitric Oxide Chemisorption in a Postsynthetically Modified Metalâ"Organic Framework. Inorganic Chemistry, 2009, 48, 9986-9988.	4.0	115
14	Simple inexpensive boron electrophiles for direct arene borylation. Chemical Communications, 2011, 47, 12459.	4.1	110
15	B(C₆F₅)₃-Catalyzed Reductive Amination using Hydrosilanes. ACS Catalysis, 2016, 6, 1793-1798.	11.2	103
16	Low-Coordinate NHCâ€“Zinc Hydride Complexes Catalyze Alkyne Câ€“H Borylation and Hydroboration Using Pinacolborane. ACS Catalysis, 2019, 9, 5760-5771.	11.2	98
17	Haloboration of Internal Alkynes with Boronium and Borenium Cations as a Route to Tetrasubstituted Alkenes. Angewandte Chemie - International Edition, 2013, 52, 7518-7522.	13.8	93
18	Formation of C(sp²)ï£¿Boronate Esters by Borylative Cyclization of Alkynes Using BCl₃. Angewandte Chemie - International Edition, 2015, 54, 11245-11249.	13.8	93

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19	Nâ€Methylacridinium Salts: Carbon Lewis Acids in Frustrated Lewis Pairs for Ïƒâ€Bond Activation and Catalytic Reductions. Angewandte Chemie - International Edition, 2014, 53, 11306-11309.	13.8	89
20	[PtMe(iPr3P)2]+: a Pt(ii) complex with an agostic interaction that undergoes Câ€“H activation. Chemical Communications, 2004, , 2398-2399.	4.1	83
21	Acylâ€Directed orthoâ€Borylation of Anilines and C7 Borylation of Indoles using just BBr₃. Angewandte Chemie - International Edition, 2019, 58, 15381-15385.	13.8	81
22	Room Temperature Ring Expansion of Nâ€Heterocyclic Carbenes and Bï£¿B Bond Cleavage of Diboron(4) Compounds. Chemistry - A European Journal, 2015, 21, 9018-9021.	3.3	80
23	Influence of the d-Electron Count on CO Binding by Three-Coordinate [(^tBu₂PCH₂SiMe₂)₂N]Fe, -Co, and -Ni. Inorganic Chemistry, 2008, 47, 407-409.	4.0	78
24	A Perspective on Direct Electrophilic Arene Borylation. Synlett, 2012, 23, 1411-1415.	1.8	78
25	BCl₃â€Induced Annulative Oxoâ€and Thioboration for the Formation of C3â€Borylated Benzofurans and Benzothiophenes. Angewandte Chemie - International Edition, 2017, 56, 354-358.	13.8	76
26	Reactivity of Lewis Acid Activated Diaza- and Dithiaboroles in Electrophilic Arene Borylation. Organometallics, 2012, 31, 1908-1916.	2.3	75
27	[(acridine)BCl₂]⁺: A Borenium Cation That Is a Strong Boron- and Carbon-Based Lewis Acid. Organometallics, 2013, 32, 6712-6717.	2.3	74
28	Regioselective electrophilic borylation of haloarenes. Chemical Communications, 2015, 51, 2878-2881.	4.1	73
29	B(C₆F₅)₃-Catalyzed Synthesis of Benzofused-Siloles. Organometallics, 2014, 33, 7241-7246.	2.3	72
30	Synthesis, Structures, and Reactivity of Chelating Bis-N-Heterocyclic-Carbene Complexes of Iron(II). Organometallics, 2011, 30, 4974-4982.	2.3	70
31	Eâ€“H (E = R₃Si or H) bond activation by B(C₆F₅)₃ and heteroarenes; competitive dehydrosilylation, hydrosilylation and hydrogenation. Chemical Communications, 2014, 50, 5270-5272.	4.1	67
32	High Hydride Count Rhodium Octahedra, [Rh6(PR3)6H12][BArF4]2: Synthesis, Structures, and Reversible Hydrogen Uptake under Mild Conditions. Journal of the American Chemical Society, 2006, 128, 6247-6263.	13.7	66
33	Homochiral H-bonded proline based metal organic frameworks. Chemical Communications, 2007, , 3036.	4.1	65
34	synâ€1,2â€Carboboration of Alkynes with Borenium Cations. Chemistry - A European Journal, 2014, 20, 12874-12880.	3.3	64
35	Expanding Water/Base Tolerant Frustrated Lewis Pair Chemistry to Alkylamines Enables Broad Scope Reductive Aminations. Chemistry - A European Journal, 2017, 23, 2217-2224.	3.3	64
36	Redox Chemistry of the Triplet Complex (PNP)Co^I. Journal of the American Chemical Society, 2008, 130, 4262-4276.	13.7	61

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37	[(iPr3P)6Rh6H12]2+:â€‰ A High-Hydride Content Octahedron that Bridges the Gap between Late and Early Transition Metal Clusters. Journal of the American Chemical Society, 2004, 126, 4784-4785.	13.7	59
38	Fundamental and Applied Properties of Borocations. Topics in Organometallic Chemistry, 2015, , 39-71.	0.7	59
39	Silverâ^'Phosphine Complexes of the Highly Methylated Carborane Monoanion [closo-1-H-CB11Me11]-. Journal of the American Chemical Society, 2004, 126, 1503-1517.	13.7	57
40	Direct C(sp²)ï£¿C(sp³) Crossâ€Coupling of Diaryl Zinc Reagents with Benzylic, Primary, Secondary, and Tertiary Alkyl Halides. Angewandte Chemie - International Edition, 2015, 54, 5688-5692.	13.8	57
41	A modular route to boron doped PAHs by combining borylative cyclisation and electrophilic Câ€“H borylation. Chemical Science, 2017, 8, 7969-7977.	7.4	57
42	Dihydrogen Complexes of Rhodium:Â [RhH2(H2)x(PR3)2]+(R = Cy,iPr;x= 1, 2). Inorganic Chemistry, 2005, 44, 3162-3171.	4.0	55
43	Post-polymerization Câ€“H Borylation of Donorâ€“Acceptor Materials Gives Highly Efficient Solid State Near-Infrared Emitters for Near-IR-OLEDs and Effective Biological Imaging. ACS Applied Materials & Interfaces, 2017, 9, 28243-28249.	8.0	53
44	Reducing Power of Three-Coordinate Cobalt(I). Journal of the American Chemical Society, 2006, 128, 4248-4249.	13.7	50
45	Exploring the Reactivity of Four-Coordinate PNPCoX with Access to Three-Coordinate Spin Triplet PNPCo. Inorganic Chemistry, 2007, 46, 10321-10334.	4.0	49
46	Synthesis, Characterization, and Functionalization of 1â€Boraphenalenes. Angewandte Chemie - International Edition, 2018, 57, 8084-8088.	13.8	49
47	Chelating Monoborane Phosphines:â€‰ Rational and High-Yield Synthesis of [(COD)Rh{(Î·2-BH3)Ph2PCH2PPh2}][PF6] (COD = 1,5-cyclooctadiene). Organometallics, 2001, 20, 4434-4436.	2.3	48
48	Facile Arylation of Four-Coordinate Boron Halides by Borenium Cation Mediated Boro-desilylation and -destannylation. Organometallics, 2015, 34, 5767-5774.	2.3	46
49	Catalytic Electrophilic Câ^'H Borylation Using NHCâ‹…Boranes and Iodine Forms C2â€, not C3â€, Borylated Indoles. Chemistry - A European Journal, 2017, 23, 8180-8184.	3.3	45
50	Well-Defined Boron/Nitrogen-Doped Polycyclic Aromatic Hydrocarbons Are Active Electrocatalysts for the Oxygen Reduction Reaction. Chemistry of Materials, 2019, 31, 1891-1898.	6.7	42
51	[(PPh3)Ag(HCB11Me11)]: A Complex with Intermolecular Agâ‹…â‹…â‹…H3C Interactions. Angewandte Chemie - International Edition, 2002, 41, 3694-3697.	13.8	41
52	Holding onto Lots of Hydrogen: A 12-Hydride Rhodium Cluster That Reversibly Adds Two Molecules of H2. Angewandte Chemie - International Edition, 2005, 44, 6875-6878.	13.8	41
53	Magnesium Borohydride Confined in a Metalâ€“Organic Framework: A Preorganized System for Facile Arene Hydroboration. Angewandte Chemie - International Edition, 2009, 48, 2012-2016.	13.8	39
54	Recent Advances in Water-Tolerance in Frustrated Lewis Pair Chemistry. Synthesis, 2018, 50, 1783-1795.	2.3	39

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55	Thienyl MIDA Boronate Esters as Highly Effective Monomers for Suzukiâ€“Miyaura Polymerization Reactions. Macromolecules, 2015, 48, 979-986.	4.8	38
56	Air- and water-stable Lewis acids: synthesis and reactivity of P-trifluoromethyl electrophilic phosphonium cations. Chemical Communications, 2018, 54, 662-665.	4.1	38
57	Highly Emissive Far Red/Nearâ€IR Fluorophores Based on Borylated Fluoreneâ€“Benzothiadiazole Donorâ€“Acceptor Materials. Chemistry - A European Journal, 2016, 22, 12439-12448.	3.3	36
58	A Comparison of Two Zinc Hydride Catalysts for Terminal Alkyne Câ€“H Borylation/Hydroboration and the Formation of 1,1,1-Triborylalkanes by Tandem Catalysis Using Znâ€“H and Bâ€“H Compounds. Organometallics, 2020, 39, 1332-1338.	2.3	36
59	The synthesis of brominated-boron-doped PAHs by alkyne 1,1-bromoboration: mechanistic and functionalisation studies. Chemical Science, 2020, 11, 3258-3267.	7.4	35
60	N2Provides Insight into the Mechanism of Hâˆ’C(sp3) Bond Cleavage. Journal of the American Chemical Society, 2005, 127, 16780-16781.	13.7	34
61	Inter- and intra-molecular Câ€“H borylation for the formation of PAHs containing triarylborane and indole units. Dalton Transactions, 2016, 45, 17160-17167.	3.3	34
62	Nâ€Methylâ€Benzothiazolium Salts as Carbon Lewis Acids for Siâˆ’H Ïƒâ€Bond Activation and Catalytic (De)hydrosilylation. Chemistry - A European Journal, 2017, 23, 187-193.	3.3	34
63	Synthesis and solvent dependent reactivity of chelating bis-N-heterocyclic carbene complexes of Fe(II) hydrides. Dalton Transactions, 2012, 41, 2685.	3.3	33
64	A Zinc Catalyzed C(sp³)âˆ’C(sp²) Suzukiâ€“Miyaura Crossâ€Coupling Reaction Mediated by Arylâ€Zincates. Chemistry - A European Journal, 2017, 23, 15889-15893.	3.3	32
65	Chemical Bonding Assembly of Multifunctional Oxide Nanocomposites. Advanced Functional Materials, 2010, 20, 231-238.	14.9	30
66	Mechanistic Insights into the B(C₆F₅)₃-Initiated Aldehydeâ€“Anilineâ€“Alkyne Reaction To Form Substituted Quinolines. Organometallics, 2017, 36, 1623-1629.	2.3	30
67	Diboryldiborenes: Ïâ€Conjugated B₄ Chains Isoelectronic to the Butadiene Dication. Angewandte Chemie - International Edition, 2018, 57, 10091-10095.	13.8	29
68	Metal-free electrocatalytic hydrogen oxidation using frustrated Lewis pairs and carbon-based Lewis acids. Chemical Science, 2016, 7, 2537-2543.	7.4	28
69	[(tBu2PCH2SiMe2)2N]RuCH3:Â The Origin of Extremely Facile, Double Hâˆ’C(sp3) Activation Generating a â€œHydrido-Carbeneâ€•Complex. Journal of the American Chemical Society, 2005, 127, 10846-10847.	13.7	27
70	Selective Borylâ€Anion Migration in a Vinyl sp 2 âˆ’sp 3 Diborane Induced by Soft Borane Lewis Acids. Angewandte Chemie - International Edition, 2018, 57, 13293-13297.	13.8	27
71	Investigation of the synthesis of {Mo(Î·5-C5H5)(CO)3}+fragments partnered with the monoanionic carboranes [closo-CB11H11Br]âˆ’, [closo-CB11H6Br6]âˆ’and [closo-HCB11Me11]âˆ’by silver salt metathesis and hydride abstraction. Dalton Transactions, 2003, , 2894-2904.	3.3	26
72	N-Heterocycle-Ligated Borocations as Highly Tunable Carbon Lewis Acids. Organometallics, 2017, 36, 4952-4960.	2.3	26

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73	Reactivity of (NHC)₂FeX₂ Complexes toward Arylborane Lewis Acids and Arylboronates. Organometallics, 2014, 33, 370-377.	2.3	25
74	A General Protocol for the Polycondensation of Thienyl N-Methyliminodiacetic Acid Boronate Esters To Form High Molecular Weight Copolymers. Journal of the American Chemical Society, 2016, 138, 13361-13368.	13.7	25
75	The carboboration of Me3Si-substituted alkynes and allenes with boranes and borocations. Dalton Transactions, 2016, 45, 6060-6070.	3.3	25
76	Borylated Arylamineâ€“Benzothiadiazole Donorâ€“Acceptor Materials as Low-LUMO, Low-Band-Gap Chromophores. Organometallics, 2017, 36, 2597-2604.	2.3	25
77	Three-Coordinate Iron(II) Expanded Ring N-Heterocyclic Carbene Complexes. Organometallics, 2016, 35, 1098-1106.	2.3	24
78	BCl₃â€•Induced Annulative Oxoâ€•and Thioboration for the Formation of C3â€Borylated Benzofurans and Benzothiophenes. Angewandte Chemie, 2017, 129, 360-364.	2.0	24
79	Controlling selectivity in N-heterocycle directed borylation of indoles. Organic and Biomolecular Chemistry, 2021, 19, 2949-2958.	2.8	24
80	Tricationic analogues of boroxines and polyborate anions. Chemical Communications, 2012, 48, 7589.	4.1	23
81	Synthesis, Characterization, and Functionalization of 1â€Boraphenalenes. Angewandte Chemie, 2018, 130, 8216-8220.	2.0	23
82	Enhanced N-directed electrophilic Câ€“H borylation generates BNâ€“[5]- and [6]helicenes with improved photophysical properties. Chemical Science, 2022, 13, 1136-1145.	7.4	23
83	Reductive Î±-borylation of Î±,Î²-unsaturated esters using NHCâ€“BH₃ activated by I₂ as a metal-free route to Î±-boryl esters. Chemical Science, 2019, 10, 1434-1441.	7.4	22
84	Benzoselenadiazole and benzotriazole directed electrophilic Câ€“H borylation of conjugated donorâ€“acceptor materials. Journal of Materials Chemistry C, 2019, 7, 718-724.	5.5	22
85	Frustrated Lewis Pair Mediated 1,2â€Hydrocarbation of Alkynes. Angewandte Chemie - International Edition, 2017, 56, 9202-9206.	13.8	21
86	1,1/1,2 Isomerisation in Lewis base adducts of B₂cat₂. Dalton Transactions, 2015, 44, 7506-7511.	3.3	20
87	Acylâ€Directed orthoâ€Borylation of Anilines and C7 Borylation of Indoles using just BBr₃. Angewandte Chemie, 2019, 131, 15525-15529.	2.0	20
88	[Cp2ZrMe(12-Î¼-Me-1-closo-CB11HMe10)]: a transition metal complex of a highly-methylated carborane anion. Chemical Communications, 2003, , 1930-1931.	4.1	19
89	Bâ€“C activation in highly alkylated carborane monoanions partnered with cationic transition metal fragments: observations and comments. Inorganica Chimica Acta, 2005, 358, 1571-1580.	2.4	19
90	Haloboration: scope, mechanism and utility. New Journal of Chemistry, 2021, 45, 14855-14868.	2.8	19

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91	Zinc catalysed electrophilic Câ€“H borylation of heteroarenes. Chemical Science, 2021, 12, 8190-8198.	7.4	19
92	[(tBu2PCH2SiMe2)2N]RuMe2:Â Synthesis and Reactivity of an Unsaturated Ruthenium Dialkyl Radical Species. Organometallics, 2006, 25, 1112-1119.	2.3	17
93	Generation of a series of B_n fused oligo-naphthalenes (n = 1 to 3) from a B₁-polycyclic aromatic hydrocarbon. Chemical Communications, 2018, 54, 9490-9493.	4.1	16
94	Borylation Directed Borylation of Indoles Using Pyrazabole Electrophiles: A Oneâ€Pot Route to C7â€Borylatedâ€Indolines. Angewandte Chemie - International Edition, 2022, 61, .	13.8	16
95	Complete reductive cleavage of CO facilitated by highly electrophilic borocations. Chemical Communications, 2015, 51, 10903-10906.	4.1	15
96	Phosphorous(<scp>v</scp>) Lewis acids: water/base tolerant P₃-trimethylated trications. Chemical Communications, 2018, 54, 12467-12470.	4.1	15
97	Diboryldiborene: Ï€â€konjugierte B₄â€Ketten isoelektronisch zum Butadienâ€Dikation. Angewandte Chemie, 2018, 130, 10248-10252.	2.0	15
98	Borylative cyclisation of diynes using BCl₃ and borocations. Organic and Biomolecular Chemistry, 2019, 17, 5520-5525.	2.8	15
99	In Vivo Optical Performance of a New Class of Near-Infrared-Emitting Conjugated Polymers: Borylated PF8-BT. ACS Applied Materials & Interfaces, 2019, 11, 46525-46535.	8.0	15
100	Highly nucleophilic dipropanolamine chelated boron reagents for aryl-transmetallation to iron complexes. Dalton Transactions, 2015, 44, 20577-20583.	3.3	12
101	Synthesis of Unsymmetrical Diboron(5) Compounds and Their Conversion to Diboron(5) Cations. Organometallics, 2018, 37, 1992-1998.	2.3	10
102	Selective Borylâ€Anion Migration in a Vinyl sp 2 â^'sp 3 Diborane Induced by Soft Borane Lewis Acids. Angewandte Chemie, 2018, 130, 13477-13481.	2.0	9
103	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2013, 109, 28.	0.8	8
104	Metal-free acyl-directed electrophilic C-H borylation using just BBr3. Science China Chemistry, 2019, 62, 1547-1548.	8.2	8
105	Developing organoboranes as phase transfer catalysts for nucleophilic fluorination using CsF. Chemical Science, 2022, 13, 2661-2668.	7.4	7
106	Use of Nâ€methyliminodiacetic acid boronate esters in suzukiâ€miyaura crossâ€coupling polymerizations of triarylamine and fluorene monomers. Journal of Polymer Science Part A, 2017, 55, 2798-2806.	2.3	6
107	Borylation Directed Borylation of Indoles Using Pyrazabole Electrophiles: A Oneâ€Pot Route to C7â€Borylatedâ€Indolines. Angewandte Chemie, 2022, 134, .	2.0	5
108	Frustrated Lewis Pair Mediated 1,2â€Hydrocarbation of Alkynes. Angewandte Chemie, 2017, 129, 9330-9334.	2.0	4

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109	Câ”H Borylation/Crossâ€Coupling Forms Twisted Donorâ€“Acceptor Compounds Exhibiting Donorâ€Dependent Delayed Emission. Chemistry - A European Journal, 2018, 24, 10521-10530.	3.3	4
110	Formation of a hydride containing amido-zincate using pinacolborane. Dalton Transactions, 2021, 50, 14018-14026.	3.3	3
111	XtalFluorâ€E effects the C3â€H sulfenylation of indoles to form diâ€indole sulfides. European Journal of Organic Chemistry, 0, , .	2.4	1