Douglas Stephan

List of Publications by Year
in descending order

578	43,059	2203	3563
papers	citations	99 h-index	181 g-index

692	692	692	10383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reversible, Metal-Free Hydrogen Activation. Science, 2006, 314, 1124-1126.	6.0	1,852
2	Frustrated Lewis Pairs: Metalâ€free Hydrogen Activation and More. Angewandte Chemie - International Edition, 2010, 49, 46-76.	7.2	1,800
3	Frustrated Lewis Pair Chemistry: Development and Perspectives. Angewandte Chemie - International Edition, 2015, 54, 6400-6441.	7.2	1,444
4	Frustrated Lewis Pairs: From Concept to Catalysis. Accounts of Chemical Research, 2015, 48, 306-316.	7.6	924
5	Frustrated Lewis Pairs. Journal of the American Chemical Society, 2015, 137, 10018-10032.	6.6	921
6	The broadening reach of frustrated Lewis pair chemistry. Science, 2016, 354, .	6.0	896
7	Facile Heterolytic Cleavage of Dihydrogen by Phosphines and Boranes. Journal of the American Chemical Society, 2007, 129, 1880-1881.	6.6	762
8	Reversible Metalâ€Free Carbon Dioxide Binding by Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2009, 48, 6643-6646.	7.2	680
9	â€œFrustrated Lewis pairsâ€: a concept for new reactivity and catalysis. Organic and Biomolecular Chemistry, 2008, 6, 1535.	1.5	589
10	Metalâ€Free Catalytic Hydrogenation. Angewandte Chemie - International Edition, 2007, 46, 8050-8053.	7.2	573
11	Rapid intramolecular heterolytic dihydrogen activation by a four-membered heterocyclic phosphaneâ€“borane adduct. Chemical Communications, 2007, , 5072.	2.2	563
12	Frustrated Lewis pairs: a new strategy to small molecule activation and hydrogenation catalysis. Dalton Transactions, 2009, , 3129.	1.6	523
13	Room Temperature Reduction of CO₂ to Methanol by Al-Based Frustrated Lewis Pairs and Ammonia Borane. Journal of the American Chemical Society, 2010, 132, 1796-1797.	6.6	522
14	Early-late heterobimetallics. Coordination Chemistry Reviews, 1989, 95, 41-107.	9.5	429
15	Reactivity of â€œFrustrated Lewis Pairsâ€: Three-Component Reactions of Phosphines, a Borane, and Olefins. Angewandte Chemie - International Edition, 2007, 46, 4968-4971.	7.2	410
16	Terminal Alkyne Activation by Frustrated and Classical Lewis Acid/Phosphine Pairs. Journal of the American Chemical Society, 2009, 131, 8396-8397.	6.6	398
17	Lewis acid-catalyzed hydrogenation: B(C6F5)3-mediated reduction of imines and nitriles with H2. Chemical Communications, 2008, , 1701.	2.2	397
18	Frustrated Lewis pair chemistry of carbon, nitrogen and sulfur oxides. Chemical Science, 2014, 5, 2625-2641.	3.7	386

#	Article	IF	Citations
19	Hydrogen and Amine Activation by a Frustrated Lewis Pair of a Bulky Nâ€Heterocyclic Carbene and B(C₆F₅)₃. Angewandte Chemie - International Edition, 2008, 47, 7433-7437.	7.2	367
20	Lewis Acidity of Organofluorophosphonium Salts: Hydrodefluorination by a Saturated Acceptor. Science, 2013, 341, 1374-1377.	6.0	314
21	Lutidine/B(C₆F₅)₃: At the Boundary of Classical and Frustrated Lewis Pair Reactivity. Journal of the American Chemical Society, 2009, 131, 3476-3477.	6.6	307
22	Metal-Free Catalytic Hydrogenation of Polar Substrates by Frustrated Lewis Pairs. Inorganic Chemistry, 2011, 50, 12338-12348.	1.9	297
23	â€œFrustrated Lewis pairâ€•hydrogenations. Organic and Biomolecular Chemistry, 2012, 10, 5740.	1.5	278
24	FLP catalysis: main group hydrogenations of organic unsaturated substrates. Chemical Society Reviews, 2019, 48, 3592-3612.	18.7	276
25	Tuning Lewis acidity using the reactivity of â€œfrustrated Lewis pairsâ€• facile formation of phosphine-boranes and cationic phosphonium-boranes. Dalton Transactions, 2007, , 3407.	1.6	274
26	Complexation of Nitrous Oxide by Frustrated Lewis Pairs. Journal of the American Chemical Society, 2009, 131, 9918-9919.	6.6	270
27	Synthesis and Reactivity of a CAACâ€“Aminoborylene Adduct: A Heteroâ€Allene or an Organoboron Isoelectronic with Singlet Carbenes. Angewandte Chemie - International Edition, 2014, 53, 13159-13163.	7.2	258
28	Enabling Catalytic Ketone Hydrogenation by Frustrated Lewis Pairs. Journal of the American Chemical Society, 2014, 136, 15809-15812.	6.6	253
29	Phosphorus Lewis acids: emerging reactivity and applications in catalysis. Chemical Society Reviews, 2016, 45, 765-774.	18.7	246
30	New Directions for Frustrated Lewis Pair Chemistry. Trends in Chemistry, 2019, 1, 35-48.	4.4	240
31	Activation of Hydrogen and Hydrogenation Catalysis by a Borenium Cation. Journal of the American Chemical Society, 2012, 134, 15728-15731.	6.6	239
32	Reversible, Metal-Free, Heterolytic Activation of H₂ at Room Temperature. Journal of the American Chemical Society, 2009, 131, 52-53.	6.6	230
33	Metalâ€free Catalytic Olefin Hydrogenation: Lowâ€Temperature H₂â€…Activation by Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2012, 51, 10164-10168.	7.2	230
34	Metal-free reductions of N-heterocycles via Lewis acid catalyzed hydrogenation. Chemical Communications, 2010, 46, 4884.	2.2	198
35	Deprotonation and Addition Reactions of Frustrated Lewis Pairs with Alkynes. Organometallics, 2010, 29, 6594-6607.	1.1	197
36	Reactions of Boron Amidinates with CO₂ and CO and Other Small Molecules. Journal of the American Chemical Society, 2010, 132, 13559-13568.	6.6	195

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37	Stoichiometric Reduction of CO₂ to CO by Aluminumâ€Based Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2011, 50, 8396-8399.	7.2	191
38	Phosphinimides as a Steric Equivalent to Cyclopentadienyl:Â An Approach to Ethylene Polymerization Catalyst Design. Organometallics, 1999, 18, 1116-1118.	1.1	183
39	Activation of H₂ by Phosphinoboranes R₂PB(C₆F₅)₂. Journal of the American Chemical Society, 2008, 130, 12632-12633.	6.6	180
40	Combinations of Ethers and B(C₆F₅)₃ Function as Hydrogenation Catalysts. Angewandte Chemie - International Edition, 2013, 52, 7492-7495.	7.2	180
41	The Road to Early-Transition-Metal Phosphinimide Olefin Polymerization Catalysts. Organometallics, 2005, 24, 2548-2560.	1.1	176
42	Olefin Isomerization and Hydrosilylation Catalysis by Lewis Acidic Organofluorophosphonium Salts. Journal of the American Chemical Society, 2013, 135, 18308-18310.	6.6	171
43	Formation and reactivity of the early metal phosphides and phosphinidenes Cp*2Zr:PR, Cp*2Zr(PR)2, and Cp*2Zr(PR)3. Organometallics, 1993, 12, 3158-3167.	1.1	163
44	Phosphinidene Transfer Reactions of the Terminal Phosphinidene Complex Cp2Zr(:PC6H2-2,4,6-t-Bu3)(PMe3). Journal of the American Chemical Society, 1995, 117, 11914-11921.	6.6	163
45	The synthesis and exchange chemistry of frustrated Lewis pairâ€“nitrous oxide complexes. Chemical Science, 2011, 2, 170-176.	3.7	163
46	Bâ€“H Activation by frustrated Lewis pairs: borenium or boryl phosphonium cation?. Chemical Communications, 2008, , 4303.	2.2	158
47	Carbeneâ€9â€BBN Ring Expansions as a Route to Intramolecular Frustrated Lewis Pairs for CO₂ Reduction. Chemistry - A European Journal, 2014, 20, 3036-3039.	1.7	158
48	Activation of dihydrogen by non-metal systems. Chemical Communications, 2010, 46, 8526.	2.2	156
49	Câ€“H Bond Activation by Radical Ion Pairs Derived from R₃P/Al(C₆F₅)₃ Frustrated Lewis Pairs and N₂O. Journal of the American Chemical Society, 2013, 135, 6446-6449.	6.6	156
50	Hydrogenation by Frustrated Lewis Pairs: Main Group Alternatives to Transition Metal Catalysts?. Organic Process Research and Development, 2014, 18, 385-391.	1.3	156
51	Metal-Free Aromatic Hydrogenation: Aniline to Cyclohexyl-amine Derivatives. Journal of the American Chemical Society, 2012, 134, 4088-4091.	6.6	154
52	Lithiations of Bis-diphenyl-N-trimethylsilylphosphiniminomethane:â€‰ An X-ray Structure of a 1,1-Dilithiomethane Derivative. Journal of the American Chemical Society, 1999, 121, 2939-2940.	6.6	150
53	Stoichiometric and catalytic activation of Pâ€“H and Pâ€“P bonds. Chemical Society Reviews, 2008, 37, 1482.	18.7	150
54	Reactions of phosphorus/boron frustrated Lewis pairs with SO₂. Chemical Science, 2013, 4, 213-219.	3.7	150

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55	Remarkably Active Non-Metallocene Ethylene Polymerization Catalysts. Organometallics, 1999, 18, 2046-2048.	1.1	148
56	CO₂ and Formate Complexes of Phosphine/Borane Frustrated Lewis Pairs. Chemistry - A European Journal, 2011, 17, 9640-9650.	1.7	146
57	Activation of Alkyl Câ€“F Bonds by B(C₆F₅)₃: Stoichiometric and Catalytic Transformations. Organometallics, 2012, 31, 27-30.	1.1	145
58	Stoichiometric Metal-Free Reduction of CO in Syn-Gas. Journal of the American Chemical Society, 2013, 135, 4974-4977.	6.6	145
59	Facile Protocol for Catalytic Frustrated Lewis Pair Hydrogenation and Reductive Deoxygenation of Ketones and Aldehydes. Angewandte Chemie - International Edition, 2015, 54, 8511-8514.	7.2	141
60	Frustrated Lewis Pair Inspired Carbon Dioxide Reduction by a Ruthenium Tris(aminophosphine) Complex. Angewandte Chemie - International Edition, 2012, 51, 11343-11345.	7.2	139
61	Phosphorus as a Lewis Acid: CO₂ Sequestration with Amidophosphoranes. Angewandte Chemie - International Edition, 2012, 51, 4714-4717.	7.2	138
62	The Highly Lewis Acidic Dicationic Phosphonium Salt: [(SIMes)PFPh₂][B(C₆F₅)₄]₂. Angewandte Chemie - International Edition, 2014, 53, 6538-6541.	7.2	134
63	Metal-free transfer hydrogenation of olefins via dehydrocoupling catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10917-10921.	3.3	134
64	Zirconium - Phosphorus Chemistry: Strategies in Syntheses, Reactivity, Catalysis, and Utility. Angewandte Chemie - International Edition, 2000, 39, 314-329.	7.2	133
65	Frustrated Lewis Pair Behavior of Intermolecular Amine/B(C₆F₅)₃ Pairs. Organometallics, 2012, 31, 2367-2378.	1.1	133
66	A family of N-heterocyclic carbene-stabilized borenium ions for metal-free imine hydrogenation catalysis. Chemical Science, 2015, 6, 2010-2015.	3.7	129
67	A Radical Mechanism for Frustrated Lewis Pair Reactivity. CheM, 2017, 3, 259-267.	5.8	129
68	Early transition metal thiolates. Coordination Chemistry Reviews, 1996, 147, 147-208.	9.5	128
69	Optical and electronic properties of air-stable organoboron compounds with strongly electron-accepting bis(fluoromesityl)boryl groups. Chemical Science, 2015, 6, 308-321.	3.7	128
70	An Approach to Catalyst Design:Â Cyclopentadienyl-Titanium Phosphinimide Complexes in Ethylene Polymerization. Organometallics, 2003, 22, 1937-1947.	1.1	125
71	Metal-free hydrogenation catalysis of polycyclic aromatic hydrocarbons. Chemical Communications, 2012, 48, 11963.	2.2	125
72	Î² Î²-Diketiminatoâ^'Nickel(II) Synthon for Nickel(I) Complexes. Organometallics, 2005, 24, 5901-5908.	1.1	123

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73	Intramolecular B/N frustrated Lewis pairs and the hydrogenation of carbon dioxide. Chemical Communications, 2015, 51, 9797-9800.	2.2	123
74	Diverse Uses of the Reaction of Frustrated Lewis Pair (FLP) with Hydrogen. Journal of the American Chemical Society, 2021, 143, 20002-20014.	6.6	123
75	From Classical Adducts to Frustrated Lewis Pairs: Steric Effects in the Interactions of Pyridines and B(C₆F₅)₃. Inorganic Chemistry, 2009, 48, 10466-10474.	1.9	122
76	Olefinâ€“Borane â€œvan der Waals Complexesâ€• Intermediates in Frustrated Lewis Pair Addition Reactions. Journal of the American Chemical Society, 2011, 133, 12448-12450.	6.6	120
77	The global electrophilicity index as a metric for Lewis acidity. Dalton Transactions, 2018, 47, 7029-7035.	1.6	120
78	New octahedral thiolato complexes of divalent nickel: syntheses, structures, and properties of (Et4N)[Ni(SC5H4N)3] and (Ph4P)[Ni(SC4H3N2)3].CH3CN. Inorganic Chemistry, 1987, 26, 2792-2797.	1.9	115
79	Frustrated Lewis Pair Mediated Hydrogenations. Topics in Current Chemistry, 2013, 332, 85-110.	4.0	115
80	Early transition metal hydride complexes: synthesis and reactivity. Coordination Chemistry Reviews, 2002, 233-234, 107-129.	9.5	114
81	Use of Trifluoromethyl Groups for Catalytic Benzylation and Alkylation with Subsequent Hydrodefluorination. Angewandte Chemie - International Edition, 2016, 55, 1417-1421.	7.2	114
82	Cyclizations via Frustrated Lewis Pairs: Lewis Acid Induced Intramolecular Additions of Amines to Olefins and Alkynes. Chemistry - A European Journal, 2010, 16, 3005-3008.	1.7	113
83	Frustrated Lewis Pair Catalyzed Hydroamination of Terminal Alkynes. Angewandte Chemie - International Edition, 2013, 52, 12418-12421.	7.2	113
84	Pyridineâ^' and Imidazoleâ^'Phosphinimine Bidentate Ligand Complexes:Â Considerations for Ethylene Oligomerization Catalysts. Organometallics, 2003, 22, 3841-3854.	1.1	110
85	Phosphoniumâ^'Borate Zwitterions, Anionic Phosphines, and Dianionic Phosphoniumâ^'Dialkoxides via Tetrahydrofuran Ring-Opening Reactions. Inorganic Chemistry, 2006, 45, 478-480.	1.9	110
86	Catalysis, FLPs, and Beyond. CheM, 2020, 6, 1520-1526.	5.8	110
87	Metal ion exchange reactions in cage molecules: the systems [M4-nM'n(SC6H5)10]2- (M, M' = Fe(II), Co(II),) Tj ETQq1 1 0.784314 rgBT Chemistry, 1982, 21, 3928-3936.	1.9	109
88	Bis-boranes in the frustrated Lewis pair activation of carbon dioxide. Chemical Communications, 2011, 47, 1833.	2.2	109
89	Cï£¿H Activation of Isobutylene Using Frustrated Lewis Pairs: Aluminum and Boron Ïƒâ€Allyl Complexes. Angewandte Chemie - International Edition, 2012, 51, 4409-4412.	7.2	109
90	Metal-free diastereoselective catalytic hydrogenations of imines using B(C6F5)3. Chemical Communications, 2011, 47, 5729.	2.2	107

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91	H₂ Activation and Hydride Transfer to Olefins by Al(C₆F₅)₃â€Based Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2012, 51, 8272-8275.	7.2	107
92	Metal-Free Hydrogenation of N-Based Heterocycles. Organometallics, 2013, 32, 1971-1978.	1.1	107
93	Frustrated Lewis pairs derived from N-heterocyclic carbenes and Lewis acids. Dalton Transactions, 2009, , 7179.	1.6	105
94	Metal-Free Transfer Hydrogenation Catalysis by B(C₆F₅)₃. Organometallics, 2011, 30, 4497-4500.	1.1	105
95	Phosphine catalyzed reduction of CO₂ with boranes. Chemical Communications, 2014, 50, 7007-7010.	2.2	105
96	1,4-Addition reactions of frustrated Lewis pairs to 1,3-dienes. Chemical Communications, 2009, , 2335.	2.2	104
97	Catalytic Pï£¿H Activation by Ti and Zr Catalysts. Chemistry - A European Journal, 2006, 12, 8696-8707.	1.7	102
98	Early metal thiolato species as metalloligands in the formation of early/late heterobimetallic complexes: syntheses and molecular structures of Cp2Ti(SMe)2, Cp2V(SMe)2, (Cp2Ti(.mu.-SMe)2)2Ni and (Ni(.mu.-SMe)2)6. Organometallics, 1989, 8, 2836-2843.	1.1	100
99	Main Group Lewis Acids in Frustrated Lewis Pair Chemistry: Beyond Electrophilic Boranes. Bulletin of the Chemical Society of Japan, 2015, 88, 1003-1016.	2.0	100
100	Catalytic Ketone Hydrodeoxygenation Mediated by Highly Electrophilic Phosphonium Cations. Angewandte Chemie - International Edition, 2015, 54, 8250-8254.	7.2	100
101	Alkenylborane-Derived Frustrated Lewis Pairs: Metal-Free Catalytic Hydrogenation Reactions of Electron-Deficient Alkenes. Organometallics, 2012, 31, 5638-5649.	1.1	98
102	Electrophilic Fluorophosphonium Cations in Frustrated Lewis Pair Hydrogen Activation and Catalytic Hydrogenation of Olefins. Angewandte Chemie - International Edition, 2015, 54, 10178-10182.	7.2	97
103	Catalytic Reduction of CO₂ to CO by Using Zinc(II) and Inâ€…Situ Generated Carbodiphosphoranes. Angewandte Chemie - International Edition, 2013, 52, 2516-2519.	7.2	96
104	Radicals derived from Lewis acid/base pairs. Chemical Society Reviews, 2019, 48, 3454-3463.	18.7	96
105	Generation and reactivity of the first mononuclear early metal phosphinidene complex, Cp*2Zr:P(C6H2Me3-2,4,6). Journal of the American Chemical Society, 1992, 114, 10088-10089.	6.6	95
106	1,1â€Hydroboration and a Borane Adduct of Diphenyldiazomethane: A Potential Prelude to FLPâ€N₂ Chemistry. Angewandte Chemie - International Edition, 2017, 56, 16588-16592.	7.2	93
107	Frustrated Lewis Pairs and Ring-Opening of THF, Dioxane, and Thioxane. Organometallics, 2010, 29, 5310-5319.	1.1	92
108	On the concept of frustrated Lewis pairs. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20170004.	1.6	92

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109	Reactions of phosphines with electron deficient boranes. Dalton Transactions, 2009, , 1559.	1.6	91
110	Toward copper(II) hemocyanin models. 2. Synthesis and characterization of binuclear copper(II) complexes of a heptadentate ligand. Inorganic Chemistry, 1987, 26, 749-754.	1.9	90
111	Stoichiometric CO2 reductions using a bis-borane-based frustrated Lewis pair. Chemical Communications, 2012, 48, 7253.	2.2	90
112	A Ruâ^Î·⁶-Arene Complex as a C-Based Lewis Acid in the Activation of Hydrogen and Hydrogenation Catalysis. Journal of the American Chemical Society, 2013, 135, 8508-8511.	6.6	89
113	Cyclic Bent Allene Hydrido-Carbonyl Complexes of Ruthenium: Highly Active Catalysts for Hydrogenation of Olefins. Journal of the American Chemical Society, 2015, 137, 5582-5589.	6.6	88
114	Dihydrogen Activation by B(p-C₆F₄H)₃ and Phosphines. Organometallics, 2010, 29, 3647-3654.	1.1	87
115	Heterolytic Cleavage of Disulfides by Frustrated Lewis Pairs. Inorganic Chemistry, 2009, 48, 9910-9917.	1.9	86
116	H₂ Cleavage, Hydride Formation, and Catalytic Hydrogenation of Imines with Zinc Complexes of C₅Me₅ and Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2013, 52, 9831-9835.	7.2	86
117	Lewis acid catalysis: catalytic hydroboration of alkynes initiated by Piers' borane. Chemical Communications, 2016, 52, 10830-10833.	2.2	86
118	Addition of Enamines or Pyrroles and B(C₆F₅)₃ â€œFrustrated Lewis Pairsâ€•to Alkynes. Organometallics, 2010, 29, 6422-6432.	1.1	85
119	CO2 reduction via aluminum complexes of ammonia boranes. Dalton Transactions, 2013, 42, 5447.	1.6	84
120	Stoichiometric Reduction of CO₂ to CO by Phosphine/AlX₃-Based Frustrated Lewis Pairs. Organometallics, 2013, 32, 4416-4422.	1.1	83
121	Câ^'C Coupling of Benzyl Fluorides Catalyzed by an Electrophilic Phosphonium Cation. Angewandte Chemie - International Edition, 2016, 55, 8448-8451.	7.2	81
122	1,1â€Hydroboration and a Borane Adduct of Diphenyldiazomethane: A Potential Prelude to FLPâ€N₂ Chemistry. Angewandte Chemie, 2017, 129, 16815-16819.	1.6	81
123	Catalytic Oligomerization of Primary Phosphines by the Anionic Zirconocene Trihydride: [Cp*2ZrH3]-. Journal of the American Chemical Society, 1995, 117, 12645-12646.	6.6	80
124	Neutral and Cationic Group 13 Phosphinimine and Phosphinimide Complexes. Organometallics, 1999, 18, 4197-4204.	1.1	80
125	Preparation, reactivity, hydroformylation catalysis, and structural studies of the early transition metal/late transition metal heterobimetallic complexes Cp2M(.mu.-PR2)2M'H(CO)PPh3 (M = Zr, Hf; M' =) Tj ETQq1 1 0.784314 rgBT /O	14	
126	Hydrosilylation of Ketones, Imines and Nitriles Catalysed by Electrophilic Phosphonium Cations: Functional Group Selectivity and Mechanistic Considerations. Chemistry - A European Journal, 2015, 21, 6491-6500.	1.7	78

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127	Activation of H2 by frustrated Lewis pairs derived from mono- and bis-phosphinoferrocenes and B(C6F5)3. Chemical Communications, 2009, , 1118.	2.2	77
128	Heterolytic Activation of H₂ Using a Mechanically Interlocked Molecule as a Frustrated Lewis Base. Angewandte Chemie - International Edition, 2013, 52, 960-963.	7.2	77
129	Cyclopropanation/Carboboration Reactions of Enynes with B(C₆F₅)₃. Journal of the American Chemical Society, 2015, 137, 15469-15477.	6.6	77
130	Synthesis and Reactivity of the Phosphinoboranes R₂PB(C₆F₅)₂. Inorganic Chemistry, 2011, 50, 336-344.	1.9	75
131	Pyridine and phosphine reactions with [CPh3][B(C6F5)4]. Inorganica Chimica Acta, 2006, 359, 3066-3071.	1.2	74
132	1,2-Diphosphonium Dication: A Strong P-Based Lewis Acid in Frustrated Lewis Pair (FLP)-Activations of Bâ€“H, Siâ€“H, Câ€“H, and Hâ€“H Bonds. Journal of the American Chemical Society, 2015, 137, 7298-7301.	6.6	74
133	Metal-Free Phosphine Oxide Reductions Catalyzed by B(C₆F₅)₃ and Electrophilic Fluorophosphonium Cations. Organometallics, 2016, 35, 1030-1035.	1.1	74
134	Chiral carbeneâ€“borane adducts: precursors for borenium catalysts for asymmetric FLP hydrogenations. Dalton Transactions, 2016, 45, 15303-15316.	1.6	74
135	Zirconium Phosphinimide Complexes:â€‰ Synthesis, Structure, and Deactivation Pathways in Ethylene Polymerization Catalysis. Organometallics, 2001, 20, 4424-4433.	1.1	73
136	Divergent Pathways of Câˆ’H Bond Activation:â€‰ Reactions of (t-Bu3PN)2TiMe2 with Trimethylaluminum. Journal of the American Chemical Society, 2002, 124, 11486-11494.	6.6	73
137	Reductions of Î²-Diketiminatoâˆ’Titanium(III) Complexes. Organometallics, 2006, 25, 2649-2655.	1.1	73
138	Probing substituent effects on the activation of H2 by phosphorus and boron frustrated Lewis pairs. Dalton Transactions, 2010, 39, 4285.	1.6	73
139	Accessing Frustrated Lewis Pair Chemistry from a Spectroscopically Stable and Classical Lewis Acidâ€Base Adduct. Angewandte Chemie - International Edition, 2018, 57, 5881-5884.	7.2	72
140	Cyclisation versus 1,1â€Carboboration: Reactions of B(C₆F₅)₃ with Propargyl Amides. Chemistry - A European Journal, 2013, 19, 11928-11938.	1.7	71
141	Activation of Alkynes with B(C₆F₅)₃ â€“ Boron Allylation Reagents Derived from Propargyl Esters. Journal of the American Chemical Society, 2014, 136, 777-782.	6.6	71
142	Hydrogen Activation by an Aromatic Triphosphabenzene. Journal of the American Chemical Society, 2014, 136, 13453-13457.	6.6	71
143	Synthesis and crystal and molecular structure of [(C5H5)2Ti(SCH2CH2P(C6H5)2)2Cu]BF4: a heterobimetallic species with a copper to titanium dative bond. Inorganic Chemistry, 1985, 24, 1499-1503.	1.9	70
144	Ancillary aryloxide ligands in ethylene polymerization catalyst precursors. Journal of Organometallic Chemistry, 1999, 591, 185-193.	0.8	70

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145	Synthesis, Structure, and Reactivity of the Phosphinimide Complexes (t-Bu3PN)nMX4-n (M = Ti, Zr). Organometallics, 2000, 19, 2994-3000.	1.1	68
146	Activation of CO2 by phosphinoamide hafnium complexes. Chemical Communications, 2013, 49, 2610.	2.2	67
147	Electrophilic phosphonium cations catalyze hydroarylation and hydrothiolation of olefins. Chemical Communications, 2015, 51, 11301-11304.	2.2	67
148	Copper(I) and copper(II) complexes of biologically relevant tridentate ligands. Inorganica Chimica Acta, 1984, 93, 173-178.	1.2	66
149	Catalytic Synthesis of the P16Macrocycle (C6H4P2)8. Journal of the American Chemical Society, 1997, 119, 2954-2955.	6.6	65
150	A step closer to a methanol economy. Nature, 2013, 495, 54-55.	13.7	65
151	Improving the Global Electrophilicity Index (GEI) as a Measure of Lewis Acidity. Inorganic Chemistry, 2018, 57, 14764-14771.	1.9	65
152	Synthesis of a Carbodicyclopropenylidene: A Carbodicarbene based Solely on Carbon. Angewandte Chemie - International Edition, 2016, 55, 5536-5540.	7.2	63
153	A Tale of Two Elements: The Lewis Acidity/Basicity Umpolung of Boron and Phosphorus. Angewandte Chemie - International Edition, 2017, 56, 5984-5992.	7.2	62
154	Phosphorus-hydrogen and cyclopentadienyl carbon-hydrogen activation en route to homo- and heterobinuclear zirconocene phosphide and phosphinidene complexes. Organometallics, 1993, 12, 3145-3157.	1.1	61
155	Stable Borocyclic Radicals via Frustrated Lewis Pair Hydrogenations. Journal of the American Chemical Society, 2016, 138, 2500-2503.	6.6	61
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