Stephen J Geier

List of Publications by Year
in descending order

40 papers	3,736 citations	257450 24 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	3758 citing authors

#	Article	IF	Citations
1	The hydroboration of Î±-diimines. New Journal of Chemistry, 2021, 45, 14908-14912.	2.8	2
2	The phosphinoboration of acyl chlorides. Dalton Transactions, 2020, 49, 5092-5099.	3.3	16
3	The phosphinoboration of 2-diphenylphosphino benzaldehyde and related aldimines. Journal of Organometallic Chemistry, 2019, 880, 378-385.	1.8	11
4	Reaction of sterically encumbered phenols, TEMPO-H, and organocarbonyl insertion reactions with L-AlH₂ (L = HC(MeCNDipp)₂, Dipp = 2,6-diisopropylphenyl). RSC Advances, 2017, 7, 37315-37323.	3.6	14
5	The phosphinoboration of carbodiimides, isocyanates, isothiocyanates and CO2. Dalton Transactions, 2017, 46, 10876-10885.	3.3	19
6	The Phosphinoboration of Nâ€Heterocycles. Chemistry - A European Journal, 2017, 23, 14485-14499.	3.3	35
7	Synthesis and antimicrobial properties of cyclic fluorodiamines containing boronate esters. Heteroatom Chemistry, 2017, 28, .	0.7	7
8	Current Developments in the Catalyzed Hydroboration Reaction. ACS Symposium Series, 2016, , 209-225.	0.5	39
9	Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse. Chemical Reviews, 2016, 116, 9091-9161.	47.7	835
10	Synthesis and Reactivity of Novel Boranes Derived from Bulky Salicylaldimines: The Molecular Structure of a Maltolato Compound. Crystals, 2015, 5, 91-99.	2.2	1
11	The Phosphinoboration Reaction. Angewandte Chemie - International Edition, 2015, 54, 2121-2125.	13.8	61
12	Thioboration of Î±,Î²-Unsaturated Ketones and Aldehydes toward the Synthesis of Î²-Sulfido Carbonyl Compounds. Journal of Organic Chemistry, 2015, 80, 2148-2154.	3.2	25
13	Anti-mycobacterial activities of copper(II) complexes. Part II. Lipophilic hydroxypyridinones derived from maltol. Canadian Journal of Chemistry, 2015, 93, 334-340.	1.1	8
14	Dehydrogenative borylation: the dark horse in metal-catalyzed hydroborations and diborations?. Reviews in Inorganic Chemistry, 2015, 35, 69-79.	4.1	26
15	Antimicrobial and antimycobacterial activities of aliphatic amines derived from vanillin. Canadian Journal of Chemistry, 2015, 93, 1305-1311.	1.1	11
16	Reversible CO Binding Enables Tunable CO/H₂ and CO/N₂ Separations in Metalâ€“Organic Frameworks with Exposed Divalent Metal Cations. Journal of the American Chemical Society, 2014, 136, 10752-10761.	13.7	210
17	M₂(m-dobdc) (M = Mg, Mn, Fe, Co, Ni) Metalâ€“Organic Frameworks Exhibiting Increased Charge Density and Enhanced H₂ Binding at the Open Metal Sites. Journal of the American Chemical Society, 2014, 136, 12119-12129.	13.7	207
18	Rhodium complexes containing arylspiroborates derived from 3,5-di-tert-butylcatechol and their use in catalyzed hydroborations. Polyhedron, 2013, 52, 1181-1189.	2.2	9

#	Article	IF	Citations
19	Selective adsorption of ethylene over ethane and propylene over propane in the metalâ€“organic frameworks M2(dobdc) (M = Mg, Mn, Fe, Co, Ni, Zn). Chemical Science, 2013, 4, 2054.	7.4	398
20	Reactions of substituted pyridines with electrophilic boranes. Dalton Transactions, 2012, 41, 2131-2139.	3.3	14
21	Chloro- and phenoxy-phosphines in frustrated Lewis pair additions to alkynes. Dalton Transactions, 2012, 41, 237-242.	3.3	19
22	Ring openings of lactone and ring contractions of lactide by frustrated Lewis pairs. Dalton Transactions, 2011, 40, 6771.	3.3	32
23	Synthesis and Reactivity of the Phosphinoboranes R₂PB(C₆F₅)₂. Inorganic Chemistry, 2011, 50, 336-344.	4.0	75
24	Metal-Free Catalytic Hydrogenation of Polar Substrates by Frustrated Lewis Pairs. Inorganic Chemistry, 2011, 50, 12338-12348.	4.0	297
25	Frustrated Lewis Pairs and Ring-Opening of THF, Dioxane, and Thioxane. Organometallics, 2010, 29, 5310-5319.	2.3	92
26	Metal-free reductions of N-heterocycles via Lewis acid catalyzed hydrogenation. Chemical Communications, 2010, 46, 4884.	4.1	198
27	New Strategies to Phosphinoâ€“Phosphonium Cations and Zwitterions. Chemistry - A European Journal, 2010, 16, 988-993.	3.3	57
28	Borohydrides from Organic Hydrides: Reactions of Hantzschâ€™s Esters with B(C₆F₅)₃. Chemistry - A European Journal, 2010, 16, 4895-4902.	3.3	54
29	Probing substituent effects on the activation of H2 by phosphorus and boron frustrated Lewis pairs. Dalton Transactions, 2010, 39, 4285.	3.3	73
30	Lewis acid mediated Pâ€“P bond hydrogenation and hydrosilylation. Chemical Communications, 2010, 46, 1026.	4.1	33
31	Hydroboration of Vinyl Arenes Using SiO2-Supported Rhodium Catalysts. Synlett, 2009, 2009, 477-481.	1.8	1
32	Lutidine/B(C₆F₅)₃: At the Boundary of Classical and Frustrated Lewis Pair Reactivity. Journal of the American Chemical Society, 2009, 131, 3476-3477.	13.7	307
33	From Classical Adducts to Frustrated Lewis Pairs: Steric Effects in the Interactions of Pyridines and B(C₆F₅)₃. Inorganic Chemistry, 2009, 48, 10466-10474.	4.0	122
34	Solid-State Chlorine NMR of Group IV Transition Metal Organometallic Complexes. Journal of the American Chemical Society, 2009, 131, 3317-3330.	13.7	85
35	Rh-catalyzed Pâ€“P bond activation. Chemical Communications, 2008, , 99-101.	4.1	39
36	Activation of P5R5 (R = Ph, Et) by a Rh-Î²-diketiminate complex. Chemical Communications, 2008, , 2779.	4.1	34

#	Article	IF	Citations
37	Activation of H₂ by Phosphinoboranes R₂PB(C₆F₅)₂. Journal of the American Chemical Society, 2008, 130, 12632-12633.	13.7	180
38	Synthesis, Characterization, and Reactivity of Rhodium(I) Acetylacetonato Complexes Containing Pyridinecarboxaldimine Ligands. Inorganic Chemistry, 2008, 47, 8727-8735.	4.0	28
39	Bulky rhodium diimine complexes for the catalyzed borylation of vinylarenes. Inorganic Chemistry Communication, 2006, 9, 788-791.	3.9	26
40	Novel rhodium complexes containing a bulky iminophosphine ligand and their use as catalysts for the hydroboration of vinylarenes. Inorganica Chimica Acta, 2006, 359, 2771-2779.	2.4	21