

Marc-Andr   Courtemanche

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,907
citations

471509

17
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

1649
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-free catalytic C-H bond activation and borylation of heteroarenes. <i>Science</i> , 2015, 349, 513-516.	12.6	379
2	A Highly Active Phosphine-Borane Organocatalyst for the Reduction of CO ₂ to Methanol Using Hydroboranes. <i>Journal of the American Chemical Society</i> , 2013, 135, 9326-9329.	13.7	304
3	Reducing CO ₂ to Methanol Using Frustrated Lewis Pairs: On the Mechanism of Phosphine-Borane-Mediated Hydroboration of CO ₂ . <i>Journal of the American Chemical Society</i> , 2014, 136, 10708-10717.	13.7	204
4	Reactivity of Lewis pairs (R ₂ PCH ₂ AlMe ₂) ₂ with carbon dioxide. <i>Chemical Communications</i> , 2011, 47, 11131.	4.1	140
5	Transition-Metal-Free Catalytic Reduction of Carbon Dioxide. <i>Chemistry - A European Journal</i> , 2014, 20, 2990-2996.	3.3	126
6	Intramolecular B/N frustrated Lewis pairs and the hydrogenation of carbon dioxide. <i>Chemical Communications</i> , 2015, 51, 9797-9800.	4.1	123
7	A Tris(triphenylphosphine)aluminum Ambiphilic Precatalyst for the Reduction of Carbon Dioxide with Catecholborane. <i>Organometallics</i> , 2013, 32, 6804-6811.	2.3	112
8	Hydroboration of Carbon Dioxide Using Ambiphilic Phosphine-Borane Catalysts: On the Role of the Formaldehyde Adduct. <i>ACS Catalysis</i> , 2015, 5, 2513-2520.	11.2	112
9	Design principles in frustrated Lewis pair catalysis for the functionalization of carbon dioxide and heterocycles. <i>Coordination Chemistry Reviews</i> , 2017, 334, 124-135.	18.8	92
10	Phosphazenes: efficient organocatalysts for the catalytic hydrosilylation of carbon dioxide. <i>Chemical Communications</i> , 2015, 51, 6858-6861.	4.1	69
11	Lewis base activation of borane-dimethylsulfide into strongly reducing ion pairs for the transformation of carbon dioxide to methoxyboranes. <i>Chemical Communications</i> , 2014, 50, 11362-11365.	4.1	58
12	Design, Synthesis, and Applications of Potential Substitutes of t-Bu-Phosphinoxazoline in Pd-Catalyzed Asymmetric Transformations and Their Use for the Improvement of the Enantioselectivity in the Pd-Catalyzed Allylation Reaction of Fluorinated Allyl Enol Carbonates. <i>Journal of Organic Chemistry</i> , 2012, 77, 317-331.	3.2	42
13	Frustrated Lewis Pair Mediated Csp ³ -H Activation. <i>Chemistry - A European Journal</i> , 2017, 23, 3567-3571.	3.3	34
14	Phosphinidene Reactivity of a Transient Vanadium P=N Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 16220-16223.	13.7	33
15	Ambiphilic molecules for trapping reactive intermediates: interrupted Nazarov reaction of allenyl vinyl ketones with Me ₂ PCH ₂ AlMe ₂ . <i>Chemical Communications</i> , 2012, 48, 11250.	4.1	20
16	Ambiphilic Frustrated Lewis Pair Exhibiting High Robustness and Reversible Water Activation: Towards the Metal-Free Hydrogenation of Carbon Dioxide. <i>Molecules</i> , 2015, 20, 11902-11914.	3.8	20
17	Synthesis and Properties of Rhomboidal Macrocyclic Subunits of Graphdiyne-Like Nanoribbons. <i>Journal of Organic Chemistry</i> , 2015, 80, 10634-10642.	3.2	19
18	Reversible hydrogen activation by a bulky haloborane based FLP system. <i>Dalton Transactions</i> , 2016, 45, 6129-6135.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Cobalt Complexes Supported by <i>cis</i> -Macrocyclic Diphosphines: Synthesis, Reactivity, and Activity toward Coupling Carbon Dioxide and Ethylene. <i>Organometallics</i> , 2017, 36, 4834-4843.	2.3	10