

# Marc-Andr Lgar

## List of Publications by Citations

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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.

28  
papers

2,438  
citations

19  
h-index

29  
g-index

29  
ext. papers

2,922  
ext. citations

13.5  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
28	Nitrogen fixation and reduction at boron. <i>Science</i> , <b>2018</b> , 359, 896-900	33.3	632
27	BORON CATALYSIS. Metal-free catalytic C-H bond activation and borylation of heteroarenes. <i>Science</i> , <b>2015</b> , 349, 513-6	33.3	296
26	A highly active phosphine-borane organocatalyst for the reduction of CO <sub>2</sub> to methanol using hydroboranes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9326-9	16.4	266
25	Reducing CO <sub>2</sub> to methanol using frustrated Lewis pairs: on the mechanism of phosphine-borane-mediated hydroboration of CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10708-17	16.4	170
24	Metallomimetic Chemistry of Boron. <i>Chemical Reviews</i> , <b>2019</b> , 119, 8231-8261	68.1	129
23	The reductive coupling of dinitrogen. <i>Science</i> , <b>2019</b> , 363, 1329-1332	33.3	124
22	Transition-metal-free catalytic reduction of carbon dioxide. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2990-6	4.8	112
21	Main-Group Metallomimetics: Transition Metal-like Photolytic CO Substitution at Boron. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1802-1805	16.4	111
20	Hydroboration of Carbon Dioxide Using Ambiphilic Phosphine-Borane Catalysts: On the Role of the Formaldehyde Adduct. <i>ACS Catalysis</i> , <b>2015</b> , 5, 2513-2520	13.1	92
19	A Tris(triphenylphosphine)aluminum Ambiphilic Precatalyst for the Reduction of Carbon Dioxide with Catecholborane. <i>Organometallics</i> , <b>2013</b> , 32, 6804-6811	3.8	90
18	Design principles in frustrated Lewis pair catalysis for the functionalization of carbon dioxide and heterocycles. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 334, 124-135	23.2	68
17	Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. <i>Chemical Science</i> , <b>2017</b> , 8, 3913-3925	9.4	52
16	New Fluorinated Dithienyldiketopyrrolopyrrole Monomers and Polymers for Organic Electronics. <i>Macromolecules</i> , <b>2017</b> , 50, 7080-7090	5.5	41
15	The First Boron-Tellurium Double Bond: Direct Insertion of Heavy Chalcogens into a Mn=B Double Bond. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15760-15763	16.4	36
14	One-pot, room-temperature conversion of dinitrogen to ammonium chloride at a main-group element. <i>Nature Chemistry</i> , <b>2020</b> , 12, 1076-1080	17.6	32
13	Heterodiatomic Multiple Bonding in Group 13: A Complex with a Boron-Aluminum Bond Reduces CO. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9776-9781	16.4	28
12	Synthesis and Reduction of Sterically Encumbered Mesoionic Carbene-Stabilized Aryldihaloboranes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12210-12217	4.8	24

## LIST OF PUBLICATIONS

11	Fluorinated Thiophene-Based Synthons: Polymerization of 1,4-Dialkoxybenzene and Fluorinated Dithieno-2,1,3-benzothiadiazole by Direct Heteroarylation. <i>Macromolecules</i> , <b>2017</b> , 50, 4658-4667	5.5	22
10	Heterodiatomare Mehrfachbindung zwischen Elementen der Gruppe 13: Ein Komplex mit B-Al-Bindung reduziert CO <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9878-9883	3.6	20
9	Insights into the Formation of Borabenzen Adducts via Ligand Exchange Reactions and TMSCl Elimination from Boracyclohexadiene Precursors. <i>Organometallics</i> , <b>2014</b> , 33, 3596-3606	3.8	19
8	Synthesis and Reactivity of Novel Mesityl Boratabenzene Ligands and Their Coordination to Transition Metals. <i>Organometallics</i> , <b>2014</b> , 33, 3173-3181	3.8	16
7	Eine Bor-Tellur-Doppelbindung: direkte Insertion in eine Mn=B-Doppelbindung. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15968-15971	3.6	16
6	A Boradiselenirane and a Boraditellurirane: Isolable Heavy Analogs of Dioxiranes and Dithiiranes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11223-11226	16.4	15
5	Synthesis of Carboxylate Cp*Zr(IV) Species: Toward the Formation of Novel Metallocavatands. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5547-55	5.1	7
4	Synthesis of unsymmetrical BE and BE heterocycles by borylene insertion into boradichalcogeniranes. <i>Chemical Science</i> , <b>2019</b> , 10, 4662-4666	9.4	6
3	2,2'Biimidazolyl as a Redox-Active Borylene Abstraction Agent. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 10866-10873	5.1	3
2	Silylosmium Anions for the Synthesis of Borylosmium(II) Complexes by Salt Elimination. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 3376-3379	2.3	2
1	Transition-metal-carbene-like intermolecular insertion of a borylene into C-H bonds. <i>Chemical Communications</i> , <b>2020</b> , 56, 7277-7280	5.8	2