

Marc-Andr Lgar

List of Publications by Year in Descending Order

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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	Transition-metal-carbene-like intermolecular insertion of a borylene into C-H bonds. <i>Chemical Communications</i> , 2020 , 56, 7277-7280	5.8	2
27	2,2'-Bipyridyl as a Redox-Active Borylene Abstraction Agent. <i>Inorganic Chemistry</i> , 2020 , 59, 10866-10873	5.1	3
26	One-pot, room-temperature conversion of dinitrogen to ammonium chloride at a main-group element. <i>Nature Chemistry</i> , 2020 , 12, 1076-1080	17.6	32
25	Heterodiatomare Mehrfachbindung zwischen Elementen der Gruppe 13: Ein Komplex mit B-Al-Bindung reduziert CO ₂ . <i>Angewandte Chemie</i> , 2019 , 131, 9878-9883	3.6	20
24	Synthesis of unsymmetrical BE and BE heterocycles by borylene insertion into boradichalcogeniranes. <i>Chemical Science</i> , 2019 , 10, 4662-4666	9.4	6
23	The reductive coupling of dinitrogen. <i>Science</i> , 2019 , 363, 1329-1332	33.3	124
22	Heterodiatomic Multiple Bonding in Group 13: A Complex with a Boron-Aluminum Bond Reduces CO. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9776-9781	16.4	28
21	Metallocimetic Chemistry of Boron. <i>Chemical Reviews</i> , 2019 , 119, 8231-8261	68.1	129
20	Nitrogen fixation and reduction at boron. <i>Science</i> , 2018 , 359, 896-900	33.3	632
19	A Boradiselenirane and a Boraditellurirane: Isolable Heavy Analogs of Dioxiranes and Dithiiranes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11223-11226	16.4	15
18	Design principles in frustrated Lewis pair catalysis for the functionalization of carbon dioxide and heterocycles. <i>Coordination Chemistry Reviews</i> , 2017 , 334, 124-135	23.2	68
17	Main-Group Metallocimetics: Transition Metal-like Photolytic CO Substitution at Boron. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1802-1805	16.4	111
16	Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. <i>Chemical Science</i> , 2017 , 8, 3913-3925	9.4	52
15	Synthesis and Reduction of Sterically Encumbered Mesoionic Carbene-Stabilized Aryldihaloboranes. <i>Chemistry - A European Journal</i> , 2017 , 23, 12210-12217	4.8	24
14	The First Boron-Tellurium Double Bond: Direct Insertion of Heavy Chalcogens into a Mn=B Double Bond. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15760-15763	16.4	36
13	New Fluorinated Dithienyldiketopyrrolopyrrole Monomers and Polymers for Organic Electronics. <i>Macromolecules</i> , 2017 , 50, 7080-7090	5.5	41
12	Eine Bor-Tellur-Doppelbindung: direkte Insertion in eine Mn=B-Doppelbindung. <i>Angewandte Chemie</i> , 2017 , 129, 15968-15971	3.6	16

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> , 2017 , 50, 4658-4667	5.5	22
10	Silylosmium Anions for the Synthesis of Borylosmium(II) Complexes by Salt Elimination. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3376-3379	2.3	2
9	BORON CATALYSIS. Metal-free catalytic C-H bond activation and borylation of heteroarenes. <i>Science</i> , 2015 , 349, 513-6	33.3	296
8	Synthesis of Carboxylate Cp*Zr(IV) Species: Toward the Formation of Novel Metallocavatands. <i>Inorganic Chemistry</i> , 2015 , 54, 5547-55	5.1	7
7	Hydroboration of Carbon Dioxide Using Ambiphilic Phosphine-Borane Catalysts: On the Role of the Formaldehyde Adduct. <i>ACS Catalysis</i> , 2015 , 5, 2513-2520	13.1	92
6	Transition-metal-free catalytic reduction of carbon dioxide. <i>Chemistry - A European Journal</i> , 2014 , 20, 2990-6	4.8	112
5	Synthesis and Reactivity of Novel Mesityl Boratabenzene Ligands and Their Coordination to Transition Metals. <i>Organometallics</i> , 2014 , 33, 3173-3181	3.8	16
4	Insights into the Formation of Borabenzene Adducts via Ligand Exchange Reactions and TMSCl Elimination from Boracyclohexadiene Precursors. <i>Organometallics</i> , 2014 , 33, 3596-3606	3.8	19
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, 10708-17	16.4	170
2	A Tris(triphenylphosphine)aluminum Ambiphilic Precatalyst for the Reduction of Carbon Dioxide with Catecholborane. <i>Organometallics</i> , 2013 , 32, 6804-6811	3.8	90
1	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, 9326-9	16.4	266