

Kostiantyn Chernichenko

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,171
citations

687363

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h-index

752698

20
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docs citations

22
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	A frustrated-Lewis-pair approach to catalytic reduction of alkynes to cis-alkenes. <i>Nature Chemistry</i> , 2013, 5, 718-723.	13.6	343
2	Highly Active Metal-Free Catalysts for Hydrogenation of Unsaturated Nitrogen-Containing Compounds. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2093-2110.	4.3	175
3	Metal-Free $\text{sp}^2\text{-C}\equiv\text{H}$ Borylation as a Common Reactivity Pattern of Frustrated 2-Aminophenylboranes. <i>Journal of the American Chemical Society</i> , 2016, 138, 4860-4868.	13.7	115
4	Hydrogen activation by 2-boryl-N,N-dialkylanilines: a revision of Piers's ansa-aminoborane. <i>Dalton Transactions</i> , 2012, 41, 9029.	3.3	104
5	Intramolecular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H_2 Addition and Kinetic Analysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1749-1753.	13.8	89
6	Heterolytic dihydrogen activation by $\text{B}(\text{C}_6\text{F}_5)_3$ and carbonyl compounds. <i>Dalton Transactions</i> , 2012, 41, 4310.	3.3	50
7	Tweezers for Parahydrogen: A Metal-Free Probe of Nonequilibrium Nuclear Spin States of H_2 Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 598-601.	13.7	36
8	Nuclear spin hyperpolarization with ansa-aminoboranes: a metal-free perspective for parahydrogen-induced polarization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27784-27795.	2.8	34
9	Atom-Efficient Synthesis of Alkynylfluoroborates Using BF_3 -Based Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14146-14150.	13.8	32
10	Origin of Stereoselectivity in FLP-Catalyzed Asymmetric Hydrogenation of Imines. <i>ACS Catalysis</i> , 2020, 10, 14290-14301.	11.2	24
11	Metal-Free $\text{C}\equiv\text{H}$ Borylation of N -Heteroarenes by Boron Trifluoride. <i>Chemistry - A European Journal</i> , 2020, 26, 13873-13879.	3.3	21
12	Amine-Borane Mediated Metal-Free Hydrogen Activation and Catalytic Hydrogenation. <i>Topics in Current Chemistry</i> , 2012, 332, 111-155.	4.0	16
13	Spontaneous ^{15}N Nuclear Spin Hyperpolarization in Metal-Free Activation of Parahydrogen by Molecular Tweezers. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 903-907.	4.6	14
14	Parahydrogen-Induced Polarization in Hydrogenation Reactions Mediated by a Metal-Free Catalyst. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	13
15	Atom-Efficient Synthesis of Alkynylfluoroborates Using BF_3 -Based Frustrated Lewis Pairs. <i>Angewandte Chemie</i> , 2016, 128, 14352-14356.	2.0	12
16	Unusual thiophilic ring-opening of fused oligothiophenes with organolithium reagents. <i>Tetrahedron</i> , 2011, 67, 6812-6818.	1.9	8
17	Heterolytic Scission of Hydrogen Within a Crystalline Frustrated Lewis Pair. <i>Inorganic Chemistry</i> , 2020, 59, 15295-15301.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Syntheses of <i>trans</i> -5,6-Bromohydrins of Aryl- and Alkynyl-Substituted Thymidines from Thymidine European Journal of Organic Chemistry, 2017, 2017, 880-891.	2.4	3
20	Titelbild: Intramolekular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H ₂ Addition and Kinetic Analysis (Angew. Chem. 6/2015). Angewandte Chemie, 2015, 127, 1998-1998.	2.0	0