Saravanakumar Elangovan

List of Publications by Year
in descending order

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23 papers	4,609 citations	304743 22 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	3959 citing authors

#	Article	IF	Citations
1	Bright Side of Lignin Depolymerization: Toward New Platform Chemicals. Chemical Reviews, 2018, 118, 614-678.	47.7	1,473
2	Efficient and selective N-alkylation of amines with alcohols catalysed by manganese pincer complexes. Nature Communications, 2016, 7, 12641.	12.8	516
3	Selective Catalytic Hydrogenations of Nitriles, Ketones, and Aldehydes by Well-Defined Manganese Pincer Complexes. Journal of the American Chemical Society, 2016, 138, 8809-8814.	13.7	485
4	Manganeseâ€Catalyzed Hydrogenâ€Autotransfer Câ”C Bond Formation: Î±â€Alkylation of Ketones with Primary Alcohols. Angewandte Chemie - International Edition, 2016, 55, 14967-14971.	13.8	270
5	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. Angewandte Chemie - International Edition, 2016, 55, 15364-15368.	13.8	259
6	Ironâ€Catalyzed Î±â€Alkylation of Ketones with Alcohols. Angewandte Chemie - International Edition, 2015, 54, 14483-14486.	13.8	230
7	Improved and General Manganeseâ€Catalyzed Nâ€Methylation of Aromatic Amines Using Methanol. Chemistry - A European Journal, 2017, 23, 5410-5413.	3.3	183
8	A Stable Manganese Pincer Catalyst for the Selective Dehydrogenation of Methanol. Angewandte Chemie - International Edition, 2017, 56, 559-562.	13.8	158
9	Molecularly Defined Manganese Pincer Complexes for Selective Transfer Hydrogenation of Ketones. ChemSusChem, 2017, 10, 83-86.	6.8	153
10	Improved Second Generation Iron Pincer Complexes for Effective Ester Hydrogenation. Advanced Synthesis and Catalysis, 2016, 358, 820-825.	4.3	104
11	Hydrogenation of Esters to Alcohols Catalyzed by Defined Manganese Pincer Complexes. Angewandte Chemie, 2016, 128, 15590-15594.	2.0	88
12	Hydrosilylation of Aldehydes and Ketones Catalyzed by Halfâ€Sandwich Manganese(I) Nâ€Heterocyclic Carbene Complexes. Advanced Synthesis and Catalysis, 2014, 356, 1093-1097.	4.3	82
13	Selective catalytic hydrogenation of nitriles to primary amines using iron pincer complexes. Catalysis Science and Technology, 2016, 6, 4768-4772.	4.1	82
14	From Wood to Tetrahydro-2-benzazepines in Three Waste-Free Steps: Modular Synthesis of Biologically Active Lignin-Derived Scaffolds. ACS Central Science, 2019, 5, 1707-1716.	11.3	82
15	Manganeseâ€Catalyzed Hydrogenâ€Autotransfer Câ”C Bond Formation: Î±â€Alkylation of Ketones with Primary Alcohols. Angewandte Chemie, 2016, 128, 15191-15195.	2.0	80
16	Half-Sandwich Manganese Complexes Bearing Cp Tethered N-Heterocyclic Carbene Ligands: Synthesis and Mechanistic Insights into the Catalytic Ketone Hydrosilylation. Organometallics, 2016, 35, 4090-4098.	2.3	62
17	KnÃ¶lker-Type Iron Complexes Bearing an N-Heterocyclic Carbene Ligand: Synthesis, Characterization, and Catalytic Dehydration of Primary Amides. Organometallics, 2015, 34, 4521-4528.	2.3	56
18	Primary Benzylamines by Efficient N-Alkylation of Benzyl Alcohols Using Commercial Ni Catalysts and Easy-to-Handle Ammonia Sources. ACS Sustainable Chemistry and Engineering, 2019, 7, 11267-11274.	6.7	50

#	Article	IF	Citations
19	Efficient nickel-catalysedN-alkylation of amines with alcohols. Catalysis Science and Technology, 2018, 8, 5498-5505.	4.1	49
20	A Stable Manganese Pincer Catalyst for the Selective Dehydrogenation of Methanol. Angewandte Chemie, 2017, 129, 574-577.	2.0	37
21	Selective catalytic two-step process for ethylene glycol from carbon monoxide. Nature Communications, 2016, 7, 12075.	12.8	34
22	Ruthenium and Ironâ€Catalysed Decarboxylative N â€alkylation of Cyclic Î±â€Amino Acids with Alcohols: Sustainable Routes to Pyrrolidine and Piperidine Derivatives. ChemSusChem, 2019, 12, 3801-3807.	6.8	19
23	Cationic Cobaltâ€“Thiolate Complexes for the Dehydrogenative Coupling of nBu₃SnH. Organometallics, 2022, 41, 852-857.	2.3	1