Subrata Chakraborty

List of Publications by Year
in descending order

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29 papers	2,127 citations	304743 22 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1814 citing authors

#	Article	IF	Citations
1	Selective Hydrogenation of Nitriles to Primary Amines Catalyzed by a Cobalt Pincer Complex. Journal of the American Chemical Society, 2015, 137, 8888-8891.	13.7	237
2	Manganeseâ€Catalyzed Nâ€Formylation of Amines by Methanol Liberating H₂: A Catalytic and Mechanistic Study. Angewandte Chemie - International Edition, 2017, 56, 4229-4233.	13.8	170
3	Manganese-Catalyzed Î±-Alkylation of Ketones, Esters, and Amides Using Alcohols. ACS Catalysis, 2018, 8, 10300-10305.	11.2	161
4	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. Angewandte Chemie - International Edition, 2016, 55, 14373-14377.	13.8	158
5	Manganese Catalyzed Î±-Olefination of Nitriles by Primary Alcohols. Journal of the American Chemical Society, 2017, 139, 11710-11713.	13.7	147
6	Selective N-Formylation of Amines with H₂ and CO₂ Catalyzed by Cobalt Pincer Complexes. ACS Catalysis, 2017, 7, 2500-2504.	11.2	137
7	Selective hydrogenation of nitriles to primary amines catalyzed by a novel iron complex. Chemical Communications, 2016, 52, 1812-1815.	4.1	113
8	Highly Selective, Efficient Deoxygenative Hydrogenation of Amides Catalyzed by a Manganese Pincer Complex via Metalâ€“Ligand Cooperation. ACS Catalysis, 2018, 8, 8014-8019.	11.2	100
9	Unprecedented iron-catalyzed selective hydrogenation of activated amides to amines and alcohols. Chemical Communications, 2016, 52, 5285-5288.	4.1	99
10	Zâ€Selective (Crossâ€)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. Angewandte Chemie - International Edition, 2016, 55, 6942-6945.	13.8	98
11	Homogeneous Hydrogenation of Nitriles Catalyzed by Molybdenum and Tungsten Amides. ACS Catalysis, 2014, 4, 2191-2194.	11.2	89
12	Manganese-Catalyzed Direct Deoxygenation of Primary Alcohols. ACS Catalysis, 2017, 7, 4462-4466.	11.2	84
13	Selective Hydrogenation of Nitriles to Secondary Imines Catalyzed by an Iron Pincer Complex. ACS Catalysis, 2017, 7, 3968-3972.	11.2	80
14	Ironâ€Catalyzed Mild and Selective Hydrogenative Crossâ€Coupling of Nitriles and Amines To Form Secondary Aldimines. Angewandte Chemie - International Edition, 2017, 56, 2074-2078.	13.8	70
15	Ligand assisted carbon dioxide activation and hydrogenation using molybdenum and tungsten amides. Dalton Transactions, 2015, 44, 6560-6570.	3.3	51
16	Direct Conversion of Alcohols into Alkenes by Dehydrogenative Coupling with Hydrazine/Hydrazone Catalyzed by Manganese. Angewandte Chemie - International Edition, 2018, 57, 13444-13448.	13.8	50
17	Manganeseâ€Catalyzed Nâ€Formylation of Amines by Methanol Liberating H₂: A Catalytic and Mechanistic Study. Angewandte Chemie, 2017, 129, 4293-4297.	2.0	49
18	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. Angewandte Chemie, 2016, 128, 14585-14589.	2.0	44

#	Article	IF	Citations
19	Highly Active, Lowâ€Valence Molybdenumâ€•and Tungstenâ€Amide Catalysts for Bifunctional Imineâ€Hydrogenation Reactions. Chemistry - an Asian Journal, 2014, 9, 328-337.	3.3	29
20	Zâ€Selective (Crossâ€)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. Angewandte Chemie, 2016, 128, 7056-7059.	2.0	28
21	Ironâ€Catalyzed Mild and Selective Hydrogenative Crossâ€Coupling of Nitriles and Amines To Form Secondary Aldimines. Angewandte Chemie, 2017, 129, 2106-2110.	2.0	23
22	Câ^'C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KO^tBu: Unusual Regioselectivity through a Radical Mechanism. Angewandte Chemie - International Edition, 2019, 58, 3373-3377.	13.8	23
23	Highly Efficient Large Bite Angle Diphosphine Substituted Molybdenum Catalyst for Hydrosilylation. ACS Catalysis, 2013, 3, 2208-2217.	11.2	19
24	Hydrogenation of Imines Catalyzed by Trisphosphineâ€Substituted Molybdenum and Tungsten Nitrosyl Hydrides and Coâ€Catalytic Acid. Chemistry - an Asian Journal, 2014, 9, 2896-2907.	3.3	19
25	Trisphosphineâ€Chelateâ€Substituted Molybdenum and Tungsten Nitrosyl Hydrides as Highly Active Catalysts for Olefin Hydrogenations. Chemistry - A European Journal, 2014, 20, 12641-12654.	3.3	15
26	Manganese and Rhenium Formyl Complexes of Diphosphanylborane Ligands: Stabilization of the Formyl Unit from Intramolecular Bâ€“O Bond Formation. European Journal of Inorganic Chemistry, 2013, 2013, 4574-4584.	2.0	13
27	Direct Conversion of Alcohols into Alkenes by Dehydrogenative Coupling with Hydrazine/Hydrazone Catalyzed by Manganese. Angewandte Chemie, 2018, 130, 13632-13636.	2.0	13
28	Câ^'C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KO^tBu: Unusual Regioselectivity through a Radical Mechanism. Angewandte Chemie, 2019, 131, 3411-3415.	2.0	7
29	Ullmann-Type and Related Redox Reactions of Nitrosyl Molybdenum Complexes Bearing a Large-Bite-Angle Diphosphine. European Journal of Inorganic Chemistry, 2016, 2016, 103-110.	2.0	1