

Sabuj Kundu

List of Publications by Year in descending order

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57
papers

2,615
citations

186265

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h-index

189892

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57
all docs

57
docs citations

57
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkane Metathesis by Tandem Alkane-Dehydrogenation—Olefin-Metathesis Catalysis and Related Chemistry. <i>Accounts of Chemical Research</i> , 2012, 45, 947-958.	15.6	243
2	Net Oxidative Addition of C(sp ³)-F Bonds to Iridium via Initial C-H Bond Activation. <i>Science</i> , 2011, 332, 1545-1548.	12.6	160
3	Rational Design and Synthesis of Highly Active Pincer-Iridium Catalysts for Alkane Dehydrogenation. <i>Organometallics</i> , 2009, 28, 5432-5444.	2.3	127
4	Ruthenium(II)-N,N'-Pincer Complex-Catalyzed Reactions Between Various Alcohols and Amines for Sustainable C-N and C-C Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 722-729.	4.3	113
5	Cooperative iridium complex-catalyzed synthesis of quinoxalines, benzimidazoles and quinazolines in water. <i>Green Chemistry</i> , 2019, 21, 1999-2004.	9.0	106
6	Cobalt complex catalyzed atom-economical synthesis of quinoxaline, quinoline and 2-alkylaminoquinoline derivatives. <i>Chemical Communications</i> , 2018, 54, 6883-6886.	4.1	104
7	Recent advances in sustainable synthesis of N-heterocycles following acceptorless dehydrogenative coupling protocol using alcohols. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2673-2709.	4.5	92
8	Tandem Transformation of Nitro Compounds into <i>N</i> -Methylated Amines: Greener Strategy for the Utilization of Methanol as a Methylating Agent. <i>ChemSusChem</i> , 2017, 10, 2370-2374.	6.8	84
9	Utilization of MeOH as a C1 Building Block in Tandem Three-Component Coupling Reaction. <i>Organic Letters</i> , 2017, 19, 4750-4753.	4.6	82
10	Synthesis and Reactivity of New Ni, Pd, and Pt 2,6-Bis(di- <i>tert</i> -butylphosphinito)pyridine Pincer Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 9443-9453.	4.0	77
11	Evaluation of Molybdenum and Tungsten Metathesis Catalysts for Homogeneous Tandem Alkane Metathesis. <i>Organometallics</i> , 2009, 28, 355-360.	2.3	74
12	Cleavage of Ether, Ester, and Tosylate C(sp ³)-O Bonds by an Iridium Complex, Initiated by Oxidative Addition of C-H Bonds. Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , 2013, 135, 5127-5143.	13.7	71
13	<i>ortho</i> -Amino group functionalized 2,2'-bipyridine based Ru(II) complex catalysed alkylation of secondary alcohols, nitriles and amines using alcohols. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1008-1018.	4.5	70
14	Sustainable synthesis of N-heterocycles in water using alcohols following the double dehydrogenation strategy. <i>Journal of Catalysis</i> , 2019, 373, 93-102.	6.2	69
15	Bifunctional Ru(II) Complex-Catalysed Tandem C-C Bond Formation: Efficient and Atom Economical Strategy for the Utilisation of Alcohols as Alkylating Agents. <i>Chemistry - A European Journal</i> , 2016, 22, 18147-18155.	3.3	63
16	Nickel-Catalyzed Direct Synthesis of Quinoxalines from 2-Nitroanilines and Vicinal Diols: Identifying Nature of the Active Catalyst. <i>Journal of Organic Chemistry</i> , 2020, 85, 2775-2784.	3.2	59
17	Optimum bifunctionality in a 2-(2-pyridyl-2-ol)-1,10-phenanthroline based ruthenium complex for transfer hydrogenation of ketones and nitriles: impact of the number of 2-hydroxypyridine fragments. <i>Dalton Transactions</i> , 2016, 45, 11162-11171.	3.3	58
18	Tandem transformations and multicomponent reactions utilizing alcohols following dehydrogenation strategy. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2193-2214.	2.8	53

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19	Cooperative Mn(σ -Cp)-complex catalyzed transfer hydrogenation of ketones and imines. Dalton Transactions, 2019, 48, 7358-7366.	3.3	51
20	Bifunctional Ru(η^5 -Cp) complex catalysed carbon-carbon bond formation: an eco-friendly hydrogen borrowing strategy. Organic and Biomolecular Chemistry, 2016, 14, 10988-10997.	2.8	50
21	Tandem Cross Coupling Reaction of Alcohols for Sustainable Synthesis of α -Alkylated Secondary Alcohols and Flavan Derivatives. Advanced Synthesis and Catalysis, 2017, 359, 3888-3893.	4.3	50
22	Direct Synthesis of N,N-Dimethylated and α -Methyl N,N-Dimethylated Amines from Nitriles Using Methanol: Experimental and Computational Studies. ACS Catalysis, 2018, 8, 2890-2896.	11.2	49
23	Cobalt-catalyzed dehydrogenative functionalization of alcohols: Progress and future prospect. Coordination Chemistry Reviews, 2022, 451, 214257.	18.8	49
24	Atom-Economical and Tandem Conversion of Nitriles to α -Methylated Amides Using Methanol and Water. ACS Catalysis, 2019, 9, 10469-10476.	11.2	37
25	C-S Bond Activation of Thioesters Using Platinum(0). Organometallics, 2011, 30, 5147-5154.	2.3	35
26	Cooperative ruthenium complex catalyzed multicomponent synthesis of pyrimidines. Dalton Transactions, 2019, 48, 17479-17487.	3.3	34
27	Mechanism of Hydrogenolysis of an Iridium-C-Methyl Bond: Evidence for a Methane Complex Intermediate. Journal of the American Chemical Society, 2013, 135, 1217-1220.	13.7	33
28	A simple and efficient in situ generated ruthenium catalyst for chemoselective transfer hydrogenation of nitroarenes: kinetic and mechanistic studies and comparison with iridium systems. RSC Advances, 2016, 6, 100532-100545.	3.6	32
29	Selective synthesis of mono- and di-methylated amines using methanol and sodium azide as C1 and N1 sources. Green Chemistry, 2018, 20, 3339-3345.	9.0	32
30	Cobalt-Catalyzed Tandem Transformation of 2-Aminobenzonitriles to Quinazolinones Using Hydration and Dehydrogenative Coupling Strategy. Journal of Organic Chemistry, 2020, 85, 11359-11367.	3.2	29
31	Cobalt-catalyzed alkylation of methyl-substituted N-heteroarenes with primary alcohols: direct access to functionalized N-heteroaromatics. Chemical Communications, 2020, 56, 249-252.	4.1	26
32	Application of a reusable Co-based nanocatalyst in alcohol dehydrogenative coupling strategy: Synthesis of quinoxaline and imine scaffolds. Catalysis Communications, 2020, 137, 105927.	3.3	26
33	Synthesis of Piperylene and Toluene via Transfer Dehydrogenation of Pentane and Pentene. ACS Catalysis, 2013, 3, 1768-1773.	11.2	25
34	Base-Promoted α -Alkylation of Arylacetonitriles with Alcohols. Chemistry - an Asian Journal, 2019, 14, 2215-2219.	3.3	25
35	Ruthenium-Catalyzed Synthesis of N-Methylated Amides using Methanol. Organic Letters, 2019, 21, 5843-5847.	4.6	23
36	Well-Defined Phosphine-Free Manganese(II)-Complex-Catalyzed Synthesis of Quinolines, Pyrroles, and Pyridines. Journal of Organic Chemistry, 2022, 87, 8351-8367.	3.2	23

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37	Tandem synthesis of quinazolinone scaffolds from 2-aminobenzonitriles using aliphatic alcoholâ€“water system. <i>Catalysis Science and Technology</i> , 2019, 9, 6002-6006.	4.1	22
38	Predicting Selectivity in Oxidative Addition of Câ€“S Bonds of Substituted Thiophenes to a Platinum(0) Fragment: An Experimental and Theoretical Study. <i>Organometallics</i> , 2011, 30, 4578-4588.	2.3	21
39	Carbonâ€“Oxygen Bond Activation in Esters by Platinum(0): Cleavage of the Less Reactive Bond. <i>Organometallics</i> , 2012, 31, 5018-5024.	2.3	20
40	Benzimidazole fragment containing Mn-complex catalyzed hydrosilylation of ketones and nitriles. <i>Tetrahedron</i> , 2020, 76, 131439.	1.9	17
41	<i>Regio</i> -Selective C3- and N-Alkylation of Indolines in Water under Air Using Alcohols. <i>Journal of Organic Chemistry</i> , 2022, 87, 5603-5616.	3.2	17
42	Câ€“S bond activation of thioethers using (dippe)Pt(NBE) ₂ . <i>Polyhedron</i> , 2013, 58, 99-105.	2.2	16
43	Tandem Transformation of Aldoximes to Nâ€“Methylated Amides Using Methanol. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5357-5362.	4.3	16
44	Alkyl Phosphine Free, Metalâ€“Ligand Cooperative Complex Catalyzed Alcohol Dehydrogenative Coupling Reactions. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1218-1232.	2.7	16
45	Rhenium(I)-Catalyzed C-Methylation of Ketones, Indoles, and Arylacetonitriles Using Methanol. <i>Journal of Organic Chemistry</i> , 2021, 86, 6943-6951.	3.2	16
46	Direct access to 2-(N-alkylamino)pyrimidines via ruthenium catalyzed tandem multicomponent annulation/N-alkylation. <i>Journal of Catalysis</i> , 2021, 402, 37-51.	6.2	16
47	Making Mâ€“CN bonds from Mâ€“Cl in (PONOP)M and (dippe)Ni systems (M=Ni, Pd, and Pt) using t-BuNC. <i>Inorganica Chimica Acta</i> , 2011, 379, 109-114.	2.4	15
48	Acid-Catalyzed Oxidative Addition of a Câ€“H Bond to a Square Planar d ⁸ Iridium Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 8891-8894.	13.7	15
49	Counter Anion Controlled Reactivity Switch in Transfer Hydrogenation: A Case Study between Ketones and Nitroarenes. <i>ChemistrySelect</i> , 2017, 2, 1705-1710.	1.5	14
50	Efficient dual acidic carbo-catalyst for one-pot conversion of carbohydrates to levulinic acid. <i>RSC Advances</i> , 2016, 6, 100417-100426.	3.6	11
51	Cu (II)- η^2 -CD as Water-Loving Catalyst for One-Pot Synthesis of Triazoles and Biofuels Intermediate at Room Temperature without Any Other Additive. <i>ChemistrySelect</i> , 2017, 2, 2997-3008.	1.5	10
52	Cyclometalated (NNC)Ru(η^2) complex catalyzed η^2 -methylation of alcohols using methanol. <i>Dalton Transactions</i> , 2022, 51, 4354-4365.	3.3	9
53	Utilization of caffeine carbon supported cobalt catalyst in the tandem synthesis of pyrroles from nitroarenes and alkenyl diols. <i>Journal of Catalysis</i> , 2021, 402, 244-254.	6.2	7
54	Synthesis of N-methylated amines from acyl azides using methanol. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5891-5896.	2.8	6

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55	Cobalt Catalyzed N-Methylation of Amides using Methanol. Asian Journal of Organic Chemistry, 2022, 11, .	2.7	6
56	Reductive Alkylation of Azides and Nitroarenes with Alcohols: A Selective Route to Mono- and Dialkylated Amines. Journal of Organic Chemistry, 2022, 87, 628-643.	3.2	6
57	Transition metal-catalyzed dehydrogenation of methanol and related transformations. , 2022, , 123-161.		5