

Prosenjit Daw

List of Publications by Year in descending order

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27
papers

1,618
citations

430874

18
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552781

26
g-index

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all docs

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docs citations

30
times ranked

1669
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Synthesis of Benzimidazoles by Dehydrogenative Coupling of Aromatic Diamines and Alcohols Catalyzed by Cobalt. <i>ACS Catalysis</i> , 2017, 7, 7456-7460.	11.2	162
2	Manganese-Catalyzed α -Alkylation of Ketones, Esters, and Amides Using Alcohols. <i>ACS Catalysis</i> , 2018, 8, 10300-10305.	11.2	161
3	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14373-14377.	13.8	158
4	Selective <i>N</i> -Formylation of Amines with H_2 and CO_2 Catalyzed by Cobalt Pincer Complexes. <i>ACS Catalysis</i> , 2017, 7, 2500-2504.	11.2	137
5	Synthesis of Pyrazines and Quinoxalines via Acceptorless Dehydrogenative Coupling Routes Catalyzed by Manganese Pincer Complexes. <i>ACS Catalysis</i> , 2018, 8, 7734-7741.	11.2	124
6	A Highly Efficient Catalyst for Selective Oxidative Scission of Olefins to Aldehydes: Abnormal-NHC Ru(II) Complex in Oxidation Chemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 13987-13990.	13.7	119
7	Catalytic Conversion of Alcohols to Carboxylic Acid Salts and Hydrogen with Alkaline Water. <i>ACS Catalysis</i> , 2017, 7, 2786-2790.	11.2	101
8	Metal-Ligand Cooperation on a Diruthenium Platform: Selective Imine Formation through Acceptorless Dehydrogenative Coupling of Alcohols with Amines. <i>Chemistry - A European Journal</i> , 2014, 20, 6542-6551.	3.3	97
9	Acceptorless Dehydrogenative Coupling Using Ammonia: Direct Synthesis of N-Heteroaromatics from Diols Catalyzed by Ruthenium. <i>Journal of the American Chemical Society</i> , 2018, 140, 11931-11934.	13.7	76
10	Bifunctional Water Activation for Catalytic Hydration of Organonitriles. <i>Organometallics</i> , 2012, 31, 3790-3797.	2.3	68
11	Multifaceted Coordination of Naphthyridine π -Functionalized N-Heterocyclic Carbene: A Novel $\text{Ir}^{\text{III}}(\text{C}^{\text{N}})(\text{C}^{\text{S}})\text{C}^{\text{C}}$ Compound and Its Evaluation as Transfer Hydrogenation Catalyst. <i>Inorganic Chemistry</i> , 2009, 48, 11114-11122.	4.0	59
12	Direct Synthesis of Amides by Acceptorless Dehydrogenative Coupling of Benzyl Alcohols and Ammonia Catalyzed by a Manganese Pincer Complex: Unexpected Crucial Role of Base. <i>Journal of the American Chemical Society</i> , 2019, 141, 12202-12206.	13.7	58
13	CO_2 activation by manganese pincer complexes through different modes of metal-ligand cooperation. <i>Dalton Transactions</i> , 2019, 48, 14580-14584.	3.3	53
14	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. <i>Angewandte Chemie</i> , 2016, 128, 14585-14589.	2.0	44
15	Amide-Functionalized Naphthyridines on a $\text{Rh}^{\text{II}}-\text{Rh}^{\text{II}}$ Platform: Effect of Steric Crowding, Hemilability, and Hydrogen-Bonding Interactions on the Structural Diversity and Catalytic Activity of Dirhodium(II) Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 16537-16549.	3.3	34
16	A Rull π -N-heterocyclic carbene (NHC) complex from metal-metal singly bonded diruthenium(I) precursor: Synthesis, structure and catalytic evaluation. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1248-1257.	1.8	25
17	$C\text{-C}$ Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of $KOt\text{-Bu}$: Unusual Regioselectivity through a Radical Mechanism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3373-3377.	13.8	23
18	Redox Noninnocent Nature of Acridine-Based Pincer Complexes of 3d Metals and $C\text{-C}$ Bond Formation. <i>Organometallics</i> , 2020, 39, 279-285.	2.3	22

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19	Cyclometalations on the Imidazo[1,2-a][1,8]naphthyridine Framework. <i>Organometallics</i> , 2013, 32, 4306-4313.	2.3	18
20	Oxidative Route to Abnormal NHC Compounds from Singly Bonded [M ^{II}] (M = Ru, Rh, Pd) Precursors. <i>Organometallics</i> , 2015, 34, 5509-5512.	2.3	16
21	A Rh(I) complex with an annulated N-heterocyclic carbene ligand for E-selective alkyne hydrosilylation. <i>Polyhedron</i> , 2019, 172, 167-174.	2.2	16
22	A Proton-Responsive Annulated Mesoionic Carbene (MIC) Scaffold on Ir Complex for Proton/Hydride Shuttle: An Experimental and Computational Investigation on Reductive Amination of Aldehyde. <i>Organometallics</i> , 2020, 39, 3849-3863.	2.3	14
23	Palladium complexes with an annellated mesoionic carbene (MIC) ligand: catalytic sequential Sonogashira coupling/cyclization reaction for one-pot synthesis of benzofuran, indole, isocoumarin and isoquinolone derivatives. <i>Dalton Transactions</i> , 2020, 49, 15238-15248.	3.3	13
24	Homogeneous first-row transition metal catalyst for sustainable hydrogen production and organic transformation from methanol, formic acid, and bio-alcohols. <i>Tetrahedron</i> , 2021, 99, 132473.	1.9	9
25	C ^α -C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KO ^t Bu: Unusual Regioselectivity through a Radical Mechanism. <i>Angewandte Chemie</i> , 2019, 131, 3411-3415.	2.0	7
26	Cyclometalated Ir ^{III} -Sn Construct for Cyanosilylation. <i>Journal of Cluster Science</i> , 2012, 23, 839-851.	3.3	4
27	Application of pincer metal complexes in catalytic transformations. , 2022, , 1-68.		0