Chandan Kumar Jana

List of Publications by Citations

38 papers	989 citations	19 h-index	31 g-index
49 ext. papers	1,078 ext. citations	5.7 avg, IF	4.75 L-index

#	Paper	IF	Citations
38	Divergent reactions for racemates: catalytic, enantioselective, and regiodivergent nitroso diels-alder reactions. *Angewandte Chemie - International Edition*, **2007**, 46, 6542-4	16.4	118
37	Enantioselective nitroso-Diels-Alder reaction and its application for the synthesis of (-)-peracetylated conduramine A-1. *Chemistry - A European Journal*, **2009**, 15, 9078-84	4.8	89
36	Total synthesis of (+)-trans-dihydronarciclasine by a catalytic enantioselective regiodivergent nitroso Diels-Alder reaction. *Chemistry - A European Journal*, **2008**, 14, 6326-8	4.8	83
35	Diastereoselective □C-H functionalization of aliphatic N-heterocycles: an efficient route to ring fused oxazines. *Chemical Communications*, **2014**, 50, 332-4	5.8	52
34	Structure of poly(propyl ether imine) dendrimer from fully atomistic molecular dynamics simulation and by small angle x-ray scattering. *Journal of Chemical Physics*, **2006**, 124, 204719	3.9	46
33	Synthesis of withanolide A, biological evaluation of its neuritogenic properties, and studies on secretase inhibition. *Angewandte Chemie - International Edition*, **2011**, 50, 8407-11	16.4	44
32	Syntheses of taiwaniaquinone F and taiwaniaquinol A via an unusual remote C-H functionalization. *Organic Letters*, **2013**, 15, 1390-3	6.2	43
31	A synthetic entry into the taiwaniaquinoids based on a biogenetic hypothesis: total synthesis of (-)-taiwaniaquinone H. *Chemistry - A European Journal*, **2010**, 16, 7692-5	4.8	41
30	A gold-carbon nanoparticle composite as an efficient catalyst for homocoupling reaction. *Chemical Communications*, **2013**, 49, 8235-7	5.8	39
29	Metal- and Oxidant-Free Direct sp3 C?H Arylation of Pyrrolidine. *Asian Journal of Organic Chemistry*, **2014**, 3, 44-47	3	38
28	Copper-Catalyzed Enantioselective [2+2] Cycloadditions of 2-Nitrosopyridine with Ketenes. *Advanced Synthesis and Catalysis*, **2010**, 352, 945-948	5.6	38
27	Metal-Free Sequential C(sp)-H/OH and C(sp)-H Aminations of Nitrosoarenes and N-Heterocycles to Ring-Fused Imidazoles. *Organic Letters*, **2017**, 19, 2540-2543	6.2	35
26	Direct □C(sp(3))-H Functionalization of Aliphatic Amines to □Unsaturated Imines, Aldehydes, and Chromenes. *Organic Letters*, **2015**, 17, 3762-5	6.2	35
25	Classical-Reaction-Driven Stereo- and Regioselective C(sp(3))-H Functionalization of Aliphatic Amines. *Chemical Record*, **2016**, 16, 1477-88	6.6	33
24	Divergent reaction: metal & oxidant free direct C□ aryloxylation and hydride free formal reductive N-benzylation of N-heterocycles. *RSC Advances*, **2014**, 4, 46214-46217	3.7	33
23	Regio- and Diastereoselective and Enantiospecific Metal-Free C(sp(3))-H Arylation: Facile Access to Optically Active 5-Aryl 2,5-Disubstituted Pyrrolidines. *Chemistry - A European Journal*, **2015**, 21, 15290-8	4.8	24
22	Withanolide A: synthesis and structural requirements for neurite outgrowth. *Chemical Science*, **2013**, 4, 2851	9.4	24

21	Metal Free C-H Functionalization Enabled Diastereoselective Multicomponent Reaction of N-Heterocycles to Fused Heteropolycycles. *Journal of Organic Chemistry*, **2018**, 83, 8874-8887	4.2	20
20	C H functionalization enabled stereoselective Ugi-azide reaction to tetrazolyl alicyclic amines. *Green Chemistry*, **2018**, 20, 3463-3467	10	19
19	Metal-Free Thermal Activation of Molecular Oxygen Enabled Direct CH-Oxygenation of Free Amines. *Journal of Organic Chemistry*, **2018**, 83, 260-266	4.2	18
18	Aminofluorene-Mediated Biomimetic Domino Amination-Oxygenation of Aldehydes to Amides. *Organic Letters*, **2016**, 18, 5788-5791	6.2	17
17	Iterative direct C-H functionalization of amines: diastereoselective divergent syntheses of disubstituted alicyclic amines. *Organic and Biomolecular Chemistry*, **2017**, 15, 1655-1660	3.9	16
16	Direct (het)arylation of tetrahydroisoquinolines via a metal and oxidant free C(sp)-H functionalization enabled three component reaction. *Organic and Biomolecular Chemistry*, **2019**, 17, 1800-1804	3.9	12
15	Synthesis, In silico studies and In vitro evaluation for antioxidant and antibacterial properties of diarylmethylamines: A novel class of structurally simple and highly potent pharmacophore. *European Journal of Pharmaceutical Sciences*, **2016**, 88, 202-9	5.1	12
14	Metal free direct C(sp)-H arylaminations using nitrosoarenes to 2-hydroxy-di(het)aryl amines as multifunctional A aggregation modulators. *Chemical Communications*, **2018**, 54, 14081-14084	5.8	10
13	Acid mediated coupling of aliphatic amines and nitrosoarenes to indoles. *Chemical Communications*, **2020**, 56, 3167-3170	5.8	9
12	Regiodivergent Remote Arylation of Cycloalkanols to Dysideanone's Fused Carbotetracycles and Its Bridged Isomers. *Chemistry - A European Journal*, **2017**, 23, 13300-13304	4.8	9
11	Nature-inspired development of unnatural meroterpenoids as the non-toxic anti-colon cancer agents. *European Journal of Medicinal Chemistry*, **2018**, 160, 256-265	6.8	9
10	Metal free biomimetic deaminative direct C-C coupling of unprotected primary amines with active methylene compounds. *Organic and Biomolecular Chemistry*, **2019**, 17, 10153-10157	3.9	5
9	N-Aminations of Benzylamines and Alicyclic Amines with Nitrosoarenes to Hydrazones and Hydrazides. *Synthesis*, **2019**, 51, 2687-2696	2.9	3
8	Rapid access to cinnamamides and piper amides via three component coupling of arylaldehydes, amines, and Meldrum's acid. *Green Chemistry*, **2019**, 21, 5803-5807	10	3
7	Regio- and Enantioselective (Het)arylation of Alkenyl Pyrroline to Aryl- alkenyl Pyrrolidines. *ACS Omega*, **2019**, 4, 2445-2454	3.9	2
6	Aggregation and mesomorphic properties of ouble-headed carbohydrate amphiphiles. *Phase Transitions*, **2005**, 78, 529-535	1.3	2
5	Environmentally benign decarboxylative N-, O-, and S-acetylations and acylations. *Green Chemistry*, **2020**, 22, 8721-8727	10	2
4	Computational Investigation of Multifaceted Cationic Rearrangement and Stereo- and Regioselectivity in the Formation of Dysideanone's Analogues. *Journal of Organic Chemistry*, **2021**, 86, 1133-1140	4.2	2

3	Lewis acid catalyzed reactivity switch: pseudo three-component annulation of nitrosoarenes and (epoxy)styrenes. *Chemical Communications*, **2020**, 56, 15032-15035	5.8	1
2	Diastereoselective and Reversed Regioselective Annulations of -Alkyl Anilines to Julolidines and Lilolidines. *Organic Letters*, **2020**, 22, 4883-4887	6.2	1
1	Metal-free C H functionalization of pyrrolidine to pyrrolinium-based room temperature ionic liquid crystals. *New Journal of Chemistry*, **2021**, 45, 8064-8071	3.6	1