

# Ranjan Jana

## List of Publications by Year in descending order

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31  
papers

860  
citations

430874

18  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging C-H Activation and Alkene Difunctionalization at Room Temperature: A Palladium-Catalyzed Divergent Synthesis of Indoles and Indolines. <i>Organic Letters</i> , 2015, 17, 672-675.	4.6	90
2	Through-space 1,4-Palladium Migration and 1,2-Aryl Shift: Direct Access to Dibenzo[ <i>a,c</i> ]carbazoles through a Triple C-H Functionalization Cascade. <i>Chemistry - A European Journal</i> , 2015, 21, 16786-16791.	3.3	71
3	The emergence of the C-H functionalization strategy in medicinal chemistry and drug discovery. <i>Chemical Communications</i> , 2021, 57, 10842-10866.	4.1	52
4	Ligand-Enabled, Copper-Promoted Regio- and Chemoselective Hydroxylation of Arenes, Aryl Halides, and Aryl Methyl Ethers. <i>Journal of Organic Chemistry</i> , 2016, 81, 831-841.	3.2	51
5	Carboxylation of Aryl Triflates with CO <sub>2</sub> Merging Palladium and Visible-Light-Photoredox Catalysts. <i>Organic Letters</i> , 2019, 21, 4632-4637.	4.6	51
6	Copper(II)-Mediated Intermolecular C(sp <sup>2</sup> )-H Amination of Benzamides with Electron-Rich Anilines. <i>Journal of Organic Chemistry</i> , 2016, 81, 4295-4303.	3.2	43
7	Exceedingly Fast, Direct Access to Dihydroisoquinolino[1,2- <i>b</i> ]quinazolinones through a Ruthenium(II)-Catalyzed Redox-Neutral C-H Alkylation/Hydroamination Cascade. <i>Organic Letters</i> , 2018, 20, 7107-7112.	4.6	40
8	Substrate-Dependent Mechanistic Divergence in Decarboxylative Heck Reaction at Room Temperature. <i>Journal of Organic Chemistry</i> , 2016, 81, 2521-2533.	3.2	35
9	Dual visible-light photoredox and palladium(II) catalysis for dehydrogenative C2-acylation of indoles at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5899-5903.	2.8	35
10	Triple Mode of Alkylation with Ethyl Bromodifluoroacetate: <i>N</i> , or <i>O</i> -difluoromethylation, <i>N</i> -ethylation and <i>S</i> -(ethoxycarbonyl) difluoromethylation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4161-4167.	4.3	32
11	Copper-Catalyzed Electrophilic Ortho C(sp <sup>2</sup> )-H Amination of Aryl Amines: Dramatic Reactivity of Bicyclic System. <i>Organic Letters</i> , 2019, 21, 4651-4656.	4.6	32
12	Palladium-catalyzed decarboxylative, decarbonylative and dehydrogenative C(sp <sup>2</sup> )-H acylation at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6592-6603.	2.8	31
13	Carboxyl radical-assisted 1,5-aryl migration through Smiles rearrangement. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9768-9779.	2.8	30
14	Atom-economical selenation of electron-rich arenes and phosphonates with molecular oxygen at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9243-9250.	2.8	28
15	Ligand-Promoted <sup>13</sup> C(sp <sup>3</sup> )-H Arylation and Unsymmetrical Diarylation to Access Unnatural Amino Acid Derivatives. <i>Organic Letters</i> , 2018, 20, 2667-2671.	4.6	26
16	Sterically Controlled Ru(II)-Catalyzed Divergent Synthesis of 2-Methylindoles and Indolines through a C-H Alkylation/Cyclization Cascade. <i>Journal of Organic Chemistry</i> , 2018, 83, 8390-8400.	3.2	22
17	Ruthenium(II)-catalyzed intermolecular synthesis of 2-arylindolines through C-H activation/oxidative cyclization cascade. <i>Chemical Communications</i> , 2017, 53, 6906-6909.	4.1	20
18	A General Copper/Manganese Cocatalyzed C-H Selenation of Arenes, Heteroarenes, and Alkenes under Air. <i>ChemistrySelect</i> , 2017, 2, 9227-9232.	1.5	20

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19	Palladium(0)-Catalyzed Intramolecular Decarboxylative Allylation of Ortho Nitrobenzoic Esters. <i>Organic Letters</i> , 2014, 16, 3934-3937.	4.6	19
20	Visible-Light- and PPh <sub>3</sub> -Mediated Direct C–N Coupling of Nitroarenes and Boronic Acids at Ambient Temperature. <i>Organic Letters</i> , 2021, 23, 8634-8639.	4.6	19
21	Metal-Free, Multicomponent Anti-Markovnikov Hydroarylsulfonylation and Alkoxyarylsulfonylation of Vinyl Arenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 575-584.	4.3	17
22	Chemo-, regio-, and stereoselective Heck–Matsuda arylation of allylic alcohols under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4841-4845.	2.8	16
23	Palladium-Catalyzed Ortho C–H Arylation of Aniline Carbamates with Diazonium Salts under Mild Conditions: Expedient Synthesis of Carbazole Alkaloids. <i>ACS Omega</i> , 2018, 3, 14503-14516.	3.5	15
24	Overcoming the Deallylation Problem: Palladium(II)-Catalyzed Chemo-, Regio-, and Stereoselective Allylic Oxidation of Aryl Allyl Ether, Amine, and Amino Acids. <i>Organic Letters</i> , 2020, 22, 7443-7449.	4.6	15
25	Photoredox-Catalyzed Tandem Demethylation of <i>N,N</i> -Dimethyl Anilines Followed by Amidation with $\alpha$ -Keto or Alkynyl Carboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4048-4054.	4.3	11
26	Palladium-Catalyzed Cascade Reactions for Annulative $\gamma$ -Extension of Indoles to Carbazoles through C–H Bond Activation. <i>Current Organic Chemistry</i> , 2020, 24, 2612-2633.	1.6	8
27	A directing group switch in copper-catalyzed electrophilic C–H amination/migratory annulation cascade: divergent access to benzimidazolone/benzimidazole. <i>Chemical Science</i> , 2022, 13, 5726-5733.	7.4	8
28	Cu <sup>I</sup> /Ag <sup>I</sup> -Promoted Decarboxylative Alkynylation of ortho-Nitro Benzoic Acids. <i>ChemistrySelect</i> , 2018, 3, 4315-4318.	1.5	7
29	Divergent Total Synthesis of ( $\pm$ )-Mahanine and Other Carbazole Alkaloids. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1207-1215.	2.7	6
30	Aryldiazonium Salts and DABSO: A Versatile Combination for Three-Component Sulfonylative Cross-Coupling Reactions. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	6
31	Chemo- and regioselective benzylic C(sp <sup>3</sup> )-H oxidation bridging the gap between hetero- and homogeneous copper catalysis. <i>IScience</i> , 2022, 25, 104341.	4.1	4