

Joydev K Laha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Diversity in Heterocycle Synthesis Using $\hat{\text{I}}\pm$ -Iminocarboxylic Acids: Decarboxylation Dichotomy. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	5
2	Sulfoxylate Anion Radical-Induced Aryl Radical Generation and Intramolecular Arylation for the Synthesis of Biarylsultams. <i>Journal of Organic Chemistry</i> , 2022, 87, 4204-4214.	3.2	14
3	pH-Controlled Intramolecular Decarboxylative Cyclization of Biarylacetic Acids: Implication on Umpolung Reactivity of Aroyl Radicals. <i>Journal of Organic Chemistry</i> , 2022, 87, 6638-6656.	3.2	4
4	Improved, gram-scale synthesis of sildenafil in water using arylacetic acid as the acyl source in the pyrazolo[4,3-d]pyrimidin-7-one ring formation. <i>New Journal of Chemistry</i> , 2021, 45, 2643-2648.	2.8	9
5	Possible competitive modes of decarboxylation in the annulation reactions of ortho-substituted anilines and arylglyoxylates. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 845-853.	2.8	14
6	Synthesis of unsymmetrical urea from aryl- or pyridyl carboxamides and aminopyridines using $\text{PhI}(\text{OAc})_2$ via in situ formation of aryl- or pyridyl isocyanates. <i>New Journal of Chemistry</i> , 2021, 45, 18815-18823.	2.8	0
7	Recent Advances in Functionalization of Pyrroles and their Translational Potential. <i>Chemical Record</i> , 2021, 21, 715-780.	5.8	48
8	$\text{K}_2\text{S}_2\text{O}_8$ mediated synthesis of 5-aryldipyrromethanes and meso-substituted A_4 -tetraarylporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 664-673.	0.8	1
9	Light-assisted anticancer photodynamic therapy using porphyrin-doped nanoencapsulates. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 220, 112209.	3.8	17
10	$\text{K}_2\text{S}_2\text{O}_8$ activation by glucose at room temperature for the synthesis and functionalization of heterocycles in water. <i>Chemical Communications</i> , 2021, 57, 8437-8440.	4.1	28
11	Benzylic Methylene Functionalizations of Diarylmethanes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3135-3161.	3.3	25
12	Recent advances in the global ring functionalization of 7-azaindoles. <i>Chemical Communications</i> , 2020, 56, 11749-11762.	4.1	29
13	Aroylation of Electron-Rich Pyrroles under Minisci Reaction Conditions. <i>Organic Letters</i> , 2020, 22, 1442-1447.	4.6	38
14	One-Step Fabrication of Enzyme-Immobilized Reusable Polymerized Microcapsules from Microfluidic Droplets. <i>ACS Omega</i> , 2019, 4, 13790-13794.	3.5	8
15	Porphyrin Functionalized Gelatin Nanoparticle-Based Biodegradable Phototheranostics: Potential Tools for Antimicrobial Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 4202-4212.	4.6	29
16	Palladium-catalysed regioselective N -arylation of anthranilamides: a tandem route for dibenzodiazepinone synthesis. <i>New Journal of Chemistry</i> , 2019, 43, 7339-7343.	2.8	10
17	Tailoring a robust and recyclable nanobiocatalyst by immobilization of <i>Pseudomonas fluorescens</i> lipase on carbon nanofiber and its application in synthesis of enantiopure carboetomidate analogue. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 1299-1310.	7.5	23
18	Promiscuity of Lipase-Catalyzed Reactions for Organic Synthesis: A Recent Update. <i>ChemistrySelect</i> , 2018, 3, 2441-2466.	1.5	71

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19	Self Assembly through Sonication: An Expeditious and Green Approach for the Synthesis of Organic-Inorganic Hybrid Nanopetals and their Application as Biocatalyst. <i>ChemNanoMat</i> , 2018, 4, 670-681.	2.8	4
20	Uses of $K_2S_2O_8$ in Metal-Catalyzed and Metal-Free Oxidative Transformations. <i>ACS Catalysis</i> , 2018, 8, 5085-5144.	11.2	195
21	Development of Gelatin Nanoparticle-Based Biodegradable Phototheranostic Agents: Advanced System to Treat Infectious Diseases. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 473-482.	5.2	31
22	Palladium-Catalyzed Intramolecular Oxidative Arylations for the Synthesis of Fused Biaryl Sulfones. <i>ACS Omega</i> , 2018, 3, 4860-4870.	3.5	12
23	Facile immobilization of <i>Pseudomonas fluorescens</i> lipase on polyaniline nanofibers (PANFs-PFL): A route to develop robust nanobiocatalyst. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 8-14.	7.5	9
24	Scope of regioselective Suzuki reactions in the synthesis of arylpyridines and benzylpyridines and subsequent intramolecular cyclizations to azafluorenes and azafluorenones. <i>New Journal of Chemistry</i> , 2018, 42, 16069-16074.	2.8	5
25	Palladium-Catalyzed Serendipitous Synthesis of Arylglyoxylic Amides from Arylglyoxylates and <i>N,N</i> -Dialkylamides in the Presence of Halopyridines. <i>ACS Omega</i> , 2018, 3, 8787-8793.	3.5	5
26	Intramolecular Minisci acylation under silver-free neutral conditions for the synthesis of azafluorenones and fluorenones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2199-2210.	2.8	36
27	Development of nanobiocatalysts through the immobilization of <i>Pseudomonas fluorescens</i> lipase for applications in efficient kinetic resolution of racemic compounds. <i>Bioresource Technology</i> , 2017, 239, 464-471.	9.6	51
28	Intramolecular Acylation of Unactivated Pyridines or Arenes via Multiple C-H Functionalizations: Synthesis of All Four Azafluorenones and Fluorenones. <i>Journal of Organic Chemistry</i> , 2017, 82, 76-85.	3.2	31
29	Access to Imidazolidine-Fused Sulfamidates and Sulfamides Bearing a Quaternary Center via 1,3-Dipolar Cycloaddition of Nonstabilized Azomethine Ylides. <i>Journal of Organic Chemistry</i> , 2017, 82, 3597-3604.	3.2	20
30	Site-Selective Oxidative C4 Alkenylation of (NH)-Pyrroles Bearing an Electron-Withdrawing C2 Group. <i>ChemCatChem</i> , 2017, 9, 1092-1096.	3.7	16
31	Design, Sustainable Synthesis, and Programmed Reactions of Templated <i>N</i> -Heteroaryl-Fused Vinyl Sultams. <i>Journal of Organic Chemistry</i> , 2017, 82, 9350-9359.	3.2	15
32	Palladium-Catalyzed Decarboxylative Ortho-Acylation of Tertiary Benzamides with Arylglyoxylic Acids. <i>ACS Omega</i> , 2017, 2, 3806-3815.	3.5	17
33	Synthesis of Mono- <i>N</i> -sulfonylimidazolidines by a 1,3-Dipolar Cycloaddition Strategy, as an Alternative to Selective <i>N</i> -Sulfonylation, and Their Ring Cleavage To Afford 1,2-Diamines. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4617-4624.	2.4	8
34	Post-synthetic diversification of pyrrole-fused benzosultams via trans-sulfonylations and reactions on the periphery of pyrrole. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2170-2174.	4.5	9
35	Geometry Driven Intramolecular Oxidative Cyclization of Enamides: An Umpolung Annulation of Primary Benzamides with Acrylates for the Synthesis of 3-Methyleneisoindolin-1-ones. <i>Journal of Organic Chemistry</i> , 2017, 82, 7346-7352.	3.2	25
36	Integration of oxidative arylation with sulfonyl migration: one-pot tandem synthesis of densely functionalized (NH)-pyrroles. <i>New Journal of Chemistry</i> , 2017, 41, 8791-8803.	2.8	15

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37	Intramolecular Oxidative Arylations in 7-azaindoles and Pyrroles: Revamping the Synthesis of Fused Heterocycle Tethered Fluorenes. <i>Chemistry - A European Journal</i> , 2017, 23, 2044-2050.	3.3	23
38	Differential effect of a chemical denaturant on activity and stability of a serine protease in nonaqueous media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 32-36.	1.8	3
39	Formation of amides, their intramolecular reactions for the synthesis of N-heterocycles, and preparation of a marketed drug, sildenafil: a comprehensive coverage. <i>Chemical Communications</i> , 2016, 52, 10245-10248.	4.1	58
40	Theranostic Nanoconjugates of Tetrapyrrolic Macrocycles and Their Applications in Photodynamic Therapy. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 509-524.	0.4	3
41	Implications of dynamic imine chemistry for the sustainable synthesis of nitrogen heterocycles via transimination followed by intramolecular cyclisation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2473-2479.	2.8	32
42	Bioinspired nanophotosensitizers: synthesis and characterization of porphyrin-noble metal nanoparticle conjugates. <i>New Journal of Chemistry</i> , 2016, 40, 724-731.	2.8	25
43	Palladium-catalyzed regioselective C-2 arylation of 7-azaindoles, indoles, and pyrroles with arenes. <i>Chemical Communications</i> , 2016, 52, 4329-4332.	4.1	42
44	Palladium-Catalyzed Regio- and Chemo-selective Reactions of 2-bromobenzyl Bromides: Expanding the Scope for the Synthesis of Biaryls Fused to a Seven-membered Sultam. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7885-7891.	2.4	29
45	Access to Biaryl Sulfonamides by Palladium-Catalyzed Intramolecular Oxidative Coupling and Subsequent Nucleophilic Ring Opening of Heterobiaryl Sultams with Amines. <i>Organic Letters</i> , 2015, 17, 1296-1299.	4.6	65
46	A Tandem Approach to Functionalized Carbazoles from Indoles via Two Successive Regioselective Oxidative Heck Reactions Followed by Thermal Electrocyclization. <i>Organic Letters</i> , 2015, 17, 4742-4745.	4.6	89
47	Sulfate Radical Anion ($\text{SO}_4^{\cdot-}$) Mediated $\text{C}(\text{sp}^3)\text{-H}$ Nitrogenation/Oxygenation in <i>N</i> -Aryl Benzylic Amines Expanded the Scope for the Synthesis of Benzamidine/Oxazine Heterocycles. <i>Journal of Organic Chemistry</i> , 2015, 80, 11351-11359.	3.2	58
48	Scope of Successive C-H Functionalizations of the Methyl Group in 3-Picolines: Intramolecular Carbonylation of Arenes to the Metal-Free Synthesis of 4-Azafluorenones. <i>Organic Letters</i> , 2015, 17, 5890-5893.	4.6	45
49	Palladium-Catalyzed Regiocontrolled Domino Synthesis of <i>N</i> -Sulfonyl Dihydrophenanthridines and Dihydrodibenzo[<i>c,e</i>]azepines: Control over the Formation of Biaryl Sultams in the Intramolecular Direct Arylation. <i>Journal of Organic Chemistry</i> , 2014, 79, 10899-10907.	3.2	37
50	Mechanistic Insights into the Palladium-Catalyzed Domino Synthesis of 10,11-dihydro-5 <i>H</i> -dibenzo[<i>b,e</i>][1,4]diazepines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4773-4779.	2.4	15
51	Transition-Metal-Free Tandem Oxidative Removal of Benzylic Methylene Group by C-C and C-N Bond Cleavage Followed by Intramolecular New Aryl C-N Bond Formation under Radical Conditions. <i>Organic Letters</i> , 2014, 16, 4392-4395.	4.6	40
52	Palladium-Catalyzed Intramolecular Oxidative Coupling Involving Double $\text{C}(\text{sp}^2)\text{-H}$ Bonds for the Synthesis of Annulated Biaryl Sultams. <i>Journal of Organic Chemistry</i> , 2014, 79, 8010-8019.	3.2	89
53	Dual Catalysis in Domino <i>N</i> -Benzoylation/Intramolecular C-H Arylation: Regio- and Chemo-selective Synthesis of Annulated Nitrogen Heterocycles. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5469-5475.	2.4	32
54	Palladium-catalyzed regio- and chemo-selective ortho-benzylation of C-H bond using a functionalizable primary amide directing group: a concise synthesis of dibenzo[<i>b,e</i>]azepin-6-ones. <i>Chemical Communications</i> , 2013, 49, 7623.	4.1	35

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55	Diaminothiazoles Modify Tau Phosphorylation and Improve the Tauopathy in Mouse Models*. Journal of Biological Chemistry, 2013, 288, 22042-22056.	3.4	41
56	Palladium-Catalyzed Domino Double <i>N</i> -Arylations (Inter- and Intramolecular) of 1,2-Diamino(hetero)arenes with <i>o</i> -Dihalo(hetero)arenes for the Synthesis of Phenazines and Pyridoquinoxalines. European Journal of Organic Chemistry, 2013, 2013, 8330-8335.	2.4	26
57	In Vivo and In Vitro Pharmacological Studies of Methoxycarbonyl-Carboetomidate. Anesthesia and Analgesia, 2012, 115, 297-304.	2.2	51
58	Synthesis of Fused Imidazoles, Pyrroles, and Indoles with a Defined Stereocenter \pm to Nitrogen Utilizing Mitsunobu Alkylation Followed by Palladium-Catalyzed Cyclization. Journal of Organic Chemistry, 2011, 76, 8477-8482.	3.2	43
59	Synthesis of Carbolines by Photostimulated Cyclization of Anilinothalopyridines. Journal of Organic Chemistry, 2011, 76, 6421-6425.	3.2	67
60	Structure-activity relationship study of 2,4-diaminothiazoles as Cdk5/p25 kinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2098-2101.	2.2	27
61	Total synthesis of tropinone using 1,3-dipolar cycloaddition of cyclic azomethine ylide and phenyl vinyl sulfone as the key step. Chemistry of Natural Compounds, 2010, 46, 254-256.	0.8	10
62	Carboetomidate. Anesthesiology, 2010, 112, 637-644.	2.5	88
63	One-Pot Synthesis of \pm -Carbolines via Sequential Palladium-Catalyzed Aryl Amination and Intramolecular Arylation. Journal of Organic Chemistry, 2009, 74, 3152-3155.	3.2	69
64	Structure-activity relationship study of bone morphogenetic protein (BMP) signaling inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4388-4392.	2.2	307
65	IMPROVED PROCEDURE FOR THE SYNTHESIS OF (2R)-N-PROPENOYLBORNANE-2,10-SULTAM. Organic Preparations and Procedures International, 2008, 40, 209-213.	1.3	2
66	Synthesis of Tetrazolo[1,5- <i>a</i>]pyridines Utilizing Trimethylsilyl Azide and Tetrabutylammonium Fluoride Hydrate. Synthesis, 2008, 2008, 4002-4006.	2.3	5
67	Excellent Exo/Endo-Selectivity in the 1,3-Dipolar Cycloaddition of Cyclic Azomethine Ylide: Exploring the Facile Investigation of Cocaine Antagonists. Letters in Organic Chemistry, 2007, 4, 550-552.	0.5	7
68	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 2: Redox Properties, Optical Spectra and Electronic Structure. Photochemistry and Photobiology, 2007, 83, 1125-1143.	2.5	77
69	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 1: Synthesis, Vibrational Properties and Excited-state Decay Characteristics. Photochemistry and Photobiology, 2007, 83, 1110-1124.	2.5	68
70	Synthetic Chlorins Bearing Auxochromes at the 3- and 13-Positions. Journal of Organic Chemistry, 2006, 71, 4092-4102.	3.2	92
71	A New Route for Installing the Isocyclic Ring on Chlorins Yielding 131-Oxophorbines. Journal of Organic Chemistry, 2006, 71, 7049-7052.	3.2	43
72	Porphyrin Architectures Tailored for Studies of Molecular Information Storage. Journal of Organic Chemistry, 2004, 69, 6739-6750.	3.2	64

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73	Structural and Electron-Transfer Characteristics of O-, S-, and Se-Tethered Porphyrin Monolayers on Si(100). <i>Journal of the American Chemical Society</i> , 2004, 126, 15603-15612.	13.7	63
74	A Scalable Synthesis of Meso-Substituted Dipyrrromethanes. <i>Organic Process Research and Development</i> , 2003, 7, 799-812.	2.7	284
75	Stereoselective construction of X-azabicyclo[m.2.1]alkanes by [3+2]-cycloaddition of non-stabilized cyclic azomethine ylides: synthesis of enantiopure constrained amino acids and formal total synthesis of optically active epibatidine. <i>Tetrahedron</i> , 2002, 58, 3525-3534.	1.9	49
76	[3+2]-Cycloaddition of nonstabilized azomethine ylides, part 9: A general approach for the construction of X-azabicyclo[m.2.1]alkanes in optically pure form by asymmetric 1,3-dipolar cycloaddition reactions. <i>Tetrahedron Letters</i> , 1999, 40, 6065-6068.	1.4	33
77	Minisci arylation of N-heterocycles using choline persulfate in water under mild conditions. <i>New Journal of Chemistry</i> , 0, , .	2.8	5