

Adinath Majee

List of Publications by Year in descending order

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docs citations

88
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	A decade update on solvent and catalyst-free neat organic reactions: a step forward towards sustainability. <i>Green Chemistry</i> , 2016, 18, 4475-4525.	9.0	185
2	Iron(III)-Catalyzed Cascade Reaction between Nitroolefins and 2-Aminopyridines: Synthesis of Imidazo[1,2-a]pyridines and Easy Access towards Zolimidine. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1065-1070.	4.3	161
3	Copper nanoparticles as inexpensive and efficient catalyst: A valuable contribution in organic synthesis. <i>Coordination Chemistry Reviews</i> , 2017, 353, 1-57.	18.8	136
4	Ball milling: an efficient and green approach for asymmetric organic syntheses. <i>Green Chemistry</i> , 2020, 22, 302-315.	9.0	135
5	Copper(II)-Catalyzed Aerobic Oxidative Coupling between Chalcone and 2-Aminopyridine <i>via</i> C-H Amination: An Expedient Synthesis of 3-Aroylimidazo[1,2-a]pyridines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1105-1112.	4.3	103
6	Zwitterionic-type molten salt: An efficient mild organocatalyst for synthesis of 2-amidoalkyl and 2-carbamatoalkyl naphthols. <i>Catalysis Communications</i> , 2010, 11, 1157-1159.	3.3	83
7	Formylation without catalyst and solvent at 80°C. <i>Tetrahedron Letters</i> , 2010, 51, 2896-2899.	1.4	73
8	Brønsted acidic ionic liquid-catalyzed tandem reaction: an efficient approach towards regioselective synthesis of pyrano[3,2-c]coumarins under solvent-free conditions bearing lower E-factors. <i>Green Chemistry</i> , 2017, 19, 3282-3295.	9.0	67
9	Indium Triflate-Catalyzed Coupling between Nitroalkenes and Phenol/Naphthols: A Simple and Direct Synthesis of Arenofurans by a Cyclization Reaction. <i>Chemistry - an Asian Journal</i> , 2011, 6, 406-409.	3.3	63
10	Organocatalysis by an aprotic imidazolium zwitterion: regioselective ring-opening of aziridines and applicable to gram scale synthesis. <i>Green Chemistry</i> , 2016, 18, 565-574.	9.0	58
11	Nano-indium oxide: An efficient catalyst for one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-ones with a greener prospect. <i>Catalysis Communications</i> , 2014, 49, 52-57.	3.3	56
12	Iron(III)-catalyzed three-component domino strategy for the synthesis of imidazo[1,2-a]pyridines. <i>Tetrahedron Letters</i> , 2014, 55, 5151-5155.	1.4	51
13	Fluorescent Detection of 2,4-DNT and 2,4,6-TNT in Aqueous Media by Using Simple Water-Soluble Pyrene Derivatives. <i>Chemistry - an Asian Journal</i> , 2016, 11, 775-781.	3.3	44
14	Studies on the interactions of 5-R-3-(2-pyridyl)-1,2,4-triazines with arynes: inverse demand aza-Diels-Alder reaction versus aryne-mediated domino process. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5119-5135.	2.8	43
15	Zwitterionic-type molten salt-catalyzed syn-selective aza-Henry reaction: solvent-free one-pot synthesis of 1 ² -nitroamines. <i>Tetrahedron Letters</i> , 2009, 50, 6998-7000.	1.4	42
16	Thiadiazole containing N- and S-rich highly ordered periodic mesoporous organosilica for efficient removal of Hg(II) from polluted water. <i>Chemical Communications</i> , 2020, 56, 3963-3966.	4.1	40
17	Solvent-free synthesis of 5-(aryl/alkyl)amino-1,2,4-triazines and 1 [±] -arylamino-2,2 [±] -bipyridines with greener prospects. <i>RSC Advances</i> , 2017, 7, 9610-9619.	3.6	39
18	Catalytic application of task specific ionic liquid on the synthesis of benzoquinazolinone derivatives by a multicomponent reaction. <i>Tetrahedron Letters</i> , 2014, 55, 235-239.	1.4	38

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19	Regioselective synthesis of pyrano[3,2-c]coumarins via Cu(II)-catalyzed tandem reaction. <i>Tetrahedron Letters</i> , 2013, 54, 3892-3895.	1.4	37
20	Visible-Light-Induced Regioselective C(sp ³)-H Acyloxylation of Aryl-2H-azirines with (Diacetoxy)iodobenzene. <i>Journal of Organic Chemistry</i> , 2019, 84, 11735-11740.	3.2	37
21	Indium triflate-catalyzed one-pot synthesis of 14-alkyl or aryl-1,4-dibenzo[a,j]xanthenes in water. <i>Heteroatom Chemistry</i> , 2009, 20, 232-234.	0.7	35
22	Metal nanoparticles in aqueous-organic synthesis: one-pot nano CuO catalyzed synthesis of isoindolo[2,1-a]quinazolines. <i>RSC Advances</i> , 2013, 3, 24931.	3.6	35
23	Recent advances on heterocyclic compounds with antiviral properties. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 410-416.	1.2	32
24	Extended cavity pyrene-based iptycenes for the turn-off fluorescence detection of RDX and common nitroaromatic explosives. <i>New Journal of Chemistry</i> , 2017, 41, 2309-2320.	2.8	29
25	Mechanochemical Synthesis and Antimicrobial Studies of 4-Hydroxy-3-thiomethylcoumarins Using Imidazolium Zwitterionic Molten Salt as an Organocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5557-5569.	6.7	29
26	Task-specific ionic liquid-catalyzed efficient couplings of indoles with 1,3-dicarbonyl compounds: an efficient synthesis of 3-alkenylated indoles. <i>Tetrahedron Letters</i> , 2011, 52, 3825-3827.	1.4	26
27	Zwitterionic Imidazolium Salt: Recent Advances in Organocatalysis. <i>Synthesis</i> , 2016, 48, 1269-1285.	2.3	26
28	Zwitterionic-Type Molten Salt-Catalyzed Multicomponent Reactions: One-Pot Synthesis of Substituted Imidazoles Under Solvent-Free Conditions. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1224-1228.	2.6	25
29	Metal-Free, PhI(OAc) ₂ -Promoted Oxidative C(sp ²)-H Difunctionalization: Synthesis of Thioaminated Naphthoquinones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 5300-5309.	4.3	25
30	Task-specific ionic-liquid-catalyzed efficient synthesis of indole derivatives under solvent-free conditions. <i>Canadian Journal of Chemistry</i> , 2010, 88, 150-154.	1.1	24
31	3-Cyano-2-azaanthracene-based push-pull-fluorophores: A one-step preparation from 5-cyano-1,2,4-triazines and 2,3-dehydronaphthalene, generated in situ. <i>Tetrahedron Letters</i> , 2016, 57, 5639-5643.	1.4	24
32	Direct Asymmetric Arylation of Imines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4293-4324.	4.3	24
33	A convenient synthesis of coumarins using reusable ionic liquid as catalyst. <i>Green Chemistry Letters and Reviews</i> , 2011, 4, 349-353.	4.7	23
34	Diverse synthesis of pyrano[3,2-c]coumarins: a brief update. <i>New Journal of Chemistry</i> , 2020, 44, 18980-18993.	2.8	23
35	A one-pot approach to 10-(1H-1,2,3-triazol-1-yl)pyrimido[1,2-a]indoles via aryne-mediated transformations of 3-(pyrimidin-2-yl)-1,2,4-triazines. <i>Tetrahedron Letters</i> , 2016, 57, 3862-3865.	1.4	22
36	Conversion of aziridines to oxazolidines through geminal difunctionalization of vinyl arenes or by tandem ring-opening/closing reaction of aziridine itself. <i>Tetrahedron Letters</i> , 2016, 57, 3551-3555.	1.4	22

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37	6- <i>N</i> -Arylamino-2,2'-bipyridine Push-Pull-Fluorophores: Solvent-Free Synthesis and Photophysical Studies. <i>ChemistrySelect</i> , 2018, 3, 4141-4146.	1.5	22
38	Mild, Efficient, and Metal-Free Radical 1,2-Dithiocyanation of Alkynes and Alkenes at Room Temperature. <i>ACS Omega</i> , 2018, 3, 13081-13088.	3.5	20
39	Imidazolium Zwitterionic Molten Salt: An Efficient Organocatalyst under Neat Conditions at Room Temperature for the Synthesis of Dipyrrromethanes as well as Bis(indolyl)methanes. <i>ChemistrySelect</i> , 2018, 3, 5843-5847.	1.5	20
40	Combination of NH ₂ OH·HCl and NaIO ₄ : a new and mild oxidizing agent for selective oxidation of alcohols to carbonyl compounds. <i>Tetrahedron Letters</i> , 2012, 53, 4433-4435.	1.4	19
41	The Remarkable Cooperative Effect of a Brønsted Acidic Ionic Liquid in the Cyclization of 2-Aminobenzamides with Ketones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4955-4962.	2.4	19
42	Metal-Free Amidation Reactions of Terminal Alkynes with Benzenesulfonamide. <i>Journal of Organic Chemistry</i> , 2019, 84, 3176-3183.	3.2	19
43	Organocatalysis by an aprotic imidazolium zwitterion: a dramatic anion-cation cooperative effect on azide-nitrile cycloaddition. <i>RSC Advances</i> , 2014, 4, 6116.	3.6	18
44	Combination of NH ₂ OH·HCl and NaIO ₄ : an effective reagent for molecular iodine-free regioselective 1,2-difunctionalization of olefins and easy access of terminal acetals. <i>RSC Advances</i> , 2015, 5, 56780-56788.	3.6	18
45	Vinylation of Carbonyl Oxygen in 4-Hydroxycoumarin: Synthesis of Heteroarylated Vinyl Ethers. <i>Synthesis</i> , 2019, 51, 2371-2378.	2.3	18
46	Self-Catalyzed Rapid Synthesis of <i>N</i> -Acylated/ <i>N</i> -Formylated α -Aminoketones and <i>N</i> -Hydroxymethylated Formamides from 3-Aryl-2- <i>H</i> -Azirines and 2-Me/Ph-3-Aryl-2- <i>H</i> -Azirines. <i>Organic Letters</i> , 2020, 22, 3926-3930.	4.6	18
47	Zinc Chloride as an Efficient Catalyst for Chemoselective Dimethyl Acetalization. <i>Synthetic Communications</i> , 2009, 39, 590-595.	2.1	17
48	1-Hydroxypyrene-based micelle-forming sensors for the visual detection of RDX/TNG/PETN-based bomb plots in water. <i>New Journal of Chemistry</i> , 2018, 42, 19864-19871.	2.8	17
49	Microwave-assisted Brønsted acidic ionic liquid-promoted one-pot synthesis of heterobicyclic dihydropyrimidinones by a three-component coupling of cyclopentanone, aldehydes, and urea. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1230-1233.	2.6	16
50	Task-specific ionic liquid catalyzed efficient microwave-assisted synthesis of 12-alkyl or aryl-8,9,10,12-tetrahydrobenzo[<i>a</i>]xanthen-11-ones under solvent-free conditions. <i>Green Chemistry Letters and Reviews</i> , 2011, 4, 205-209.	4.7	15
51	Iron(III)-catalyzed synthesis of selenoesters from α -amino carbonyl derivatives at room temperature. <i>Tetrahedron</i> , 2019, 75, 130624.	1.9	15
52	Facile synthesis of substituted quinolines by iron(III)-catalyzed cascade reaction between anilines, aldehydes and nitroalkanes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7907-7917.	2.8	14
53	Brønsted acidic ionic liquid-catalyzed tandem trimerization of indoles: An efficient approach towards the synthesis of indole 3,3'-trimers under solvent-free conditions. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1863-1874.	2.6	14
54	Synthesis, characterization and unravelling the molecular interaction of new bioactive 4-hydroxycoumarin derivative with biopolymer: Insights from spectroscopic and theoretical aspect. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 124-137.	3.8	13

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55	Use of allylzinc halide as a source of halide: Differential addition of nucleophiles to Ts-aziridines and aldehydes under similar reaction conditions. <i>Tetrahedron Letters</i> , 2019, 60, 276-283.	1.4	13
56	An Updated Library on the Synthesis of Aziridines. <i>Current Green Chemistry</i> , 2019, 6, 226-241.	1.1	12
57	A simple and efficient approach for the sulfonylation of indoles catalyzed by CuI. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 342-346.	2.0	11
58	A Mild and Efficient Method for the Syntheses and Regioselective Ring-Opening of Aziridines. <i>SynOpen</i> , 2017, 01, 0015-0023.	1.7	10
59	An Efficient Synthesis of Oxazolidines by Tandem Ring-Opening / Closing Reaction of Ts-Aziridine Using Formic Acid. <i>ChemistrySelect</i> , 2018, 3, 10509-10514.	1.5	10
60	In situ synthesis of CuO nanoparticles over functionalized mesoporous silica and their application in catalytic syntheses of symmetrical diselenides. <i>Dalton Transactions</i> , 2019, 48, 17874-17886.	3.3	10
61	Scope and Limitations of Leuckart-Wallach-Type Reductive Amination: Chemoselective Synthesis of Tertiary Amines from Aldehydes under Neat Conditions. <i>ChemistrySelect</i> , 2018, 3, 4058-4066.	1.5	9
62	Pot, Atom, Step Economic (PASE) Approach towards 2,2'-Bipyridines: Synthesis and Photophysical Studies. <i>ChemistrySelect</i> , 2018, 3, 340-347.	1.5	9
63	A novel crystalline nanoporous iron phosphonate based metal-organic framework as an efficient anode material for lithium ion batteries. <i>New Journal of Chemistry</i> , 2021, 45, 15458-15468.	2.8	9
64	Synthesis of various functionalized H-azirines: An updated library. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 422-448.	2.6	9
65	A Facile Synthesis of 2,2,4-Trisubstituted-1,2-Dihydroquinolines Catalyzed by Zinc Triflate under Solvent-Free Conditions. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 1186-1190.	1.4	8
66	Synthesis of diverse α -(nitrooxy)-substituted amines by regioselective ring-opening of aziridines under neat conditions. <i>Synthetic Communications</i> , 2018, 48, 1857-1866.	2.1	8
67	Recent advances in the synthesis of fluorinated compounds via an aryne intermediate. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9562-9582.	2.8	8
68	Mechanochemically Induced Cross Dehydrogenative Coupling Reactions under Ball Milling. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2462-2478.	4.3	8
69	A Domino Approach for the Synthesis of α -keto α -dicarbonyl Compounds from α -Epoxy-carbonyls. <i>ChemistrySelect</i> , 2017, 2, 6254-6259.	1.5	7
70	Direct Introduction of a Methyl Group at the C5-Position of 1,2,4-Triazines: Convenient Synthesis of 6-Aryl-2,2'-bipyridines. <i>ChemistrySelect</i> , 2020, 5, 2753-2755.	1.5	7
71	Mild, Efficient and Metal-Free Strategies for Direct Diamination of α , β -Unsaturated Ketones Using Different Iodine Sources. <i>ChemistrySelect</i> , 2021, 6, 4684-4688.	1.5	7
72	2-Azaanthracenes: a chronology of synthetic approaches and bright prospects for practical applications. <i>New Journal of Chemistry</i> , 2019, 43, 11382-11390.	2.8	6

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73	A practicable synthesis of 2,3-disubstituted 1,4-dioxanes bearing a carbonyl functionality from $\hat{1},\hat{2}$ -unsaturated ketones using the Williamson strategy. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1278-1286.	2.8	6
74	Synthetic approaches to 1,2,4-triazolo[5,1- <i>c</i>][1,2,4]triazin-7-ones as basic heterocyclic structures of the antiviral drug Riamilovir (Triazavirin) active against SARS-CoV-2 (COVID-19). <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1828-1837.	2.8	6
75	Efficient and Alternative Approach for Preparation of <i>O</i> -Benzoyloximes Using Benzoyl Peroxide. <i>Synthetic Communications</i> , 2012, 42, 1848-1854.	2.1	5
76	A new tandem synthesis of bis($\hat{1},\hat{2}$ -dialkoxy carbonyl) compounds by oxidative cleavage of aziridines under metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 551-556.	2.8	5
77	Direct Asymmetric Addition of Heteroatom Nucleophiles to Imines. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2092-2112.	4.3	5
78	Combination of $\text{NH}_2\text{OH}\cdot\text{HCl}$ and NaIO_4 : a new and mild reagent for the synthesis of vicinal diiodo carbonyl compounds. <i>Arkivoc</i> , 2017, 2016, 416-426.	0.5	4
79	A Domino Approach for the Synthesis of $\hat{1},\hat{2}$ -Epoxy Ketones from Carbonyl Compounds under Neat Conditions at Ambient Temperature. <i>ChemistrySelect</i> , 2018, 3, 7596-7601.	1.5	4
80	Synthesis of 2-imidazolines by co-grinding of <i>N</i> -tosylaziridines and nitriles. <i>Mendeleev Communications</i> , 2020, 30, 188-189.	1.6	3
81	An expedient solvent-free C-benylation of 4-hydroxycoumarin with styrenes. <i>Mendeleev Communications</i> , 2021, 31, 123-124.	1.6	3
82	Zwitterionic Imidazolium Salt: An Efficient Organocatalyst for the One-Pot Synthesis of 5,6-Unsubstituted 1,4-Dihydropyridine Scaffolds. <i>Current Organocatalysis</i> , 2016, 3, 169-175.	0.5	3
83	Visible-Light-Mediated Synthesis of $1\text{-Oxa-4-}\epsilon\text{-spiro Oxazolines}$ by Spiroannulation of Quinones with Vinyl Azides. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	3
84	Zwitterionic molten salt: An efficient organocatalyst for the one-pot synthesis of propargylamines. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
85	CuO Nanoparticles as a Simple and Efficient Green Catalyst for the Aziridine Ring-Opening: Examination of a Broad Range of Nucleophiles. <i>ChemistrySelect</i> , 2020, 5, 4525-4529.	1.5	2
86	Metal and solvent free direct C3-alkylation of 4-hydroxycoumarins with styrene. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
87	Brønsted acidic ionic liquid: An efficient and reusable catalyst for the synthesis of dicoumarol. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0