Adinath Majee

List of Publications by Year
in descending order

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87 papers	2,441 citations	236925 25 h-index	233421 45 g-index
88 all docs	88 docs citations	88 times ranked	2310 citing authors

#	Article	IF	Citations
1	Synthesis of various functionalized <scp>2Hâ€azirines: An</scp> updated library. Journal of Heterocyclic Chemistry, 2022, 59, 422-448.	2.6	9
2	Synthetic approaches to 1,2,4-triazolo[5,1-c][1,2,4]triazin-7-ones as basic heterocyclic structures of the antiviral drug Riamilovir (â€œTriazavirinÂ®â€) active against SARS-CoV-2 (COVID-19). Organic and Biomolecular Chemistry, 2022, 20, 1828-1837.	2.8	6
3	Direct Asymmetric Addition of Heteroatom Nucleophiles to Imines. Advanced Synthesis and Catalysis, 2022, 364, 2092-2112.	4.3	5
4	Mechanochemically Induced Cross Dehydrogenative Coupling Reactions under Ball Milling. Advanced Synthesis and Catalysis, 2022, 364, 2462-2478.	4.3	8
5	Visibleâ€Lightâ€Mediated Synthesis of 1â€Oxaâ€4â€azaâ€spiro Oxazolines by Spiroannulation of Quinones with Vinyl Azides. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
6	A novel crystalline nanoporous iron phosphonate based metalâ€“organic framework as an efficient anode material for lithium ion batteries. New Journal of Chemistry, 2021, 45, 15458-15468.	2.8	9
7	An expedient solvent-free C-benzylation of 4-hydroxycoumarin with styrenes. Mendeleev Communications, 2021, 31, 123-124.	1.6	3
8	Recent advances on heterocyclic compounds with antiviral properties. Chemistry of Heterocyclic Compounds, 2021, 57, 410-416.	1.2	32
9	Mechanochemical Synthesis and Antimicrobial Studies of 4-Hydroxy-3-thiomethylcoumarins Using Imidazolium Zwitterionic Molten Salt as an Organocatalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 5557-5569.	6.7	29
10	Mild, Efficient and Metalâ€Free Strategies for Direct Diamination of Î±, Î²â€Unsaturated Ketones Using Different Iodine Sources. ChemistrySelect, 2021, 6, 4684-4688.	1.5	7
11	Metalâ€Free, PhI(OAc)₂â€Promoted Oxidative C(sp²)â^'H Difunctionalization: Synthesis of Thioaminated Naphthoquinones. Advanced Synthesis and Catalysis, 2021, 363, 5300-5309.	4.3	25
12	A practicable synthesis of 2,3-disubstituted 1,4-dioxanes bearing a carbonyl functionality from Î±,Î²-unsaturated ketones using the Williamson strategy. Organic and Biomolecular Chemistry, 2021, 19, 1278-1286.	2.8	6
13	Ball milling: an efficient and green approach for asymmetric organic syntheses. Green Chemistry, 2020, 22, 302-315.	9.0	135
14	A new tandem synthesis of bis(Î²,Î²â€²-dialkoxy carbonyl) compounds by oxidative cleavage of aziridines under metal-free conditions. Organic and Biomolecular Chemistry, 2020, 18, 551-556.	2.8	5
15	Diverse synthesis of pyrano[3,2-c]coumarins: a brief update. New Journal of Chemistry, 2020, 44, 18980-18993.	2.8	23
16	Metal and solvent free direct C3-alkylation of 4-hydroxycoumarins with styrene. AIP Conference Proceedings, 2020, , .	0.4	0
17	Zwitterionic molten salt: An efficient organocatalyst for the one-pot synthesis of propargylamines. AIP Conference Proceedings, 2020, , .	0.4	2
18	Recent advances in the synthesis of fluorinated compounds via an aryne intermediate. Organic and Biomolecular Chemistry, 2020, 18, 9562-9582.	2.8	8

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19	Synthesis of 2-imidazolines by co-grinding of N-tosylaziridines and nitriles. Mendeleev Communications, 2020, 30, 188-189.	1.6	3
20	Direct Asymmetric Arylation of Imines. Advanced Synthesis and Catalysis, 2020, 362, 4293-4324.	4.3	24
21	Thiadiazole containing N- and S-rich highly ordered periodic mesoporous organosilica for efficient removal of Hg(<scp>ii</scp>) from polluted water. Chemical Communications, 2020, 56, 3963-3966.	4.1	40
22	BrÃ¸nsted acidic ionic liquidâ€“catalyzed tandem trimerization of indoles: An efficient approach towards the synthesis of indole 3,3â€²â€²trimers under solventâ€free conditions. Journal of Heterocyclic Chemistry, 2020, 57, 1863-1874.	2.6	14
23	Direct Introduction of a Methyl Group at the C5â€Position of 1,2,4â€Triazines: Convenient Synthesis of 6â€Functionalized 5â€Arylâ€2,2â€²â€bipyridines. ChemistrySelect, 2020, 5, 2753-2755.	1.5	7
24	Self-Catalyzed Rapid Synthesis of N-Acylated/N-Formylated Î±-Aminoketones and N-Hydroxymethylated Formamides from 3-Aryl-2H-Azirines and 2-Me/Ph-3-Aryl-2H-Azirines. Organic Letters, 2020, 22, 3926-3930.	4.6	18
25	CuO Nanoparticles as a Simple and Efficient Green Catalyst for the Aziridine Ringâ€Opening: Examination of a Broad Range of Nucleophiles. ChemistrySelect, 2020, 5, 4525-4529.	1.5	2
26	BrÃ¸nsted acidic ionic liquid: An efficient and reusable catalyst for the synthesis of dicoumarol. AIP Conference Proceedings, 2020, , .	0.4	0
27	Facile synthesis of substituted quinolines by iron(iii)-catalyzed cascade reaction between anilines, aldehydes and nitroalkanes. Organic and Biomolecular Chemistry, 2019, 17, 7907-7917.	2.8	14
28	Visible-Light-Induced Regioselective C(sp³)-H Acyloxylation of Aryl-2H-azirines with (Diacetoxy)iodobenzene. Journal of Organic Chemistry, 2019, 84, 11735-11740.	3.2	37
29	Iron(III)-catalyzed synthesis of selenoesters from Î±-amino carbonyl derivatives at room temperature. Tetrahedron, 2019, 75, 130624.	1.9	15
30	2-Azaanthracenes: a chronology of synthetic approaches and bright prospects for practical applications. New Journal of Chemistry, 2019, 43, 11382-11390.	2.8	6
31	Vinylation of Carbonyl Oxygen in 4-Hydroxycoumarin: Synthesis of Heteroarylated Vinyl Ethers. Synthesis, 2019, 51, 2371-2378.	2.3	18
32	Metal-Free Amidation Reactions of Terminal Alkynes with Benzenesulfonamide. Journal of Organic Chemistry, 2019, 84, 3176-3183.	3.2	19
33	In situ synthesis of CuO nanoparticles over functionalized mesoporous silica and their application in catalytic syntheses of symmetrical diselenides. Dalton Transactions, 2019, 48, 17874-17886.	3.3	10
34	An Updated Library on the Synthesis of Aziridines. Current Green Chemistry, 2019, 6, 226-241.	1.1	12
35	Use of allylzinc halide as a source of halide: Differential addition of nucleophiles to Ts-aziridines and aldehydes under similar reaction conditions. Tetrahedron Letters, 2019, 60, 276-283.	1.4	13
36	Scope and Limitations of Leuckartâ€Wallachâ€Type Reductive Amination: Chemoselective Synthesis of Tertiary Amines from Aldehydes under Neat Conditions. ChemistrySelect, 2018, 3, 4058-4066.	1.5	9

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37	Studies on the interactions of 5-R-3-(2-pyridyl)-1,2,4-triazines with arynes: inverse demand aza-Dielsâ€“Alder reaction versus aryne-mediated domino process. Organic and Biomolecular Chemistry, 2018, 16, 5119-5135.	2.8	43
38	Pot, Atom, Step Economic (PASE) Approach towards (Aza)â€2,2â€²â€Bipyridines: Synthesis and Photophysical Studies. ChemistrySelect, 2018, 3, 340-347.	1.5	9
39	6â€Arylaminoâ€2,2â€²â€bipyridine â€œPushâ€Pullâ€•Fluorophores: Solventâ€Free Synthesis and Photophysical Studies. ChemistrySelect, 2018, 3, 4141-4146.	1.5	22
40	1-Hydroxypyrene-based micelle-forming sensors for the visual detection of RDX/TNG/PETN-based bomb plots in water. New Journal of Chemistry, 2018, 42, 19864-19871.	2.8	17
41	An Efficient Synthesis of Oxazolidines by Tandem Ringâ€Opening / Closing Reaction of Tsâ€Aziridine Using Formic Acid. ChemistrySelect, 2018, 3, 10509-10514.	1.5	10
42	Mild, Efficient, and Metal-Free Radical 1,2-Dithiocyanation of Alkynes and Alkenes at Room Temperature. ACS Omega, 2018, 3, 13081-13088.	3.5	20
43	Synthesis, characterization and unravelling the molecular interaction of new bioactive 4-hydroxycoumarin derivative with biopolymer: Insights from spectroscopic and theoretical aspect. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 124-137.	3.8	13
44	Imidazolium Zwitterionic Molten Salt: An Efficient Organocatalyst under Neat Conditions at Room Temperature for the Synthesis of Dipyrromethanes as well as Bis(indolyl)methanes. ChemistrySelect, 2018, 3, 5843-5847.	1.5	20
45	A Domino Approach for the Synthesis of Î±,Î²â€Epoxy Ketones from Carbonyl Compounds under Neat Conditions at Ambient Temperature. ChemistrySelect, 2018, 3, 7596-7601.	1.5	4
46	Synthesis of diverseÎ²-(nitrooxy)-substituted amines by regioselective ring-opening of aziridines under neat conditions. Synthetic Communications, 2018, 48, 1857-1866.	2.1	8
47	Solvent-free synthesis of 5-(aryl/alkyl)amino-1,2,4-triazines and Î±-arylamino-2,2â€²-bipyridines with greener prospects. RSC Advances, 2017, 7, 9610-9619.	3.6	39
48	Extended cavity pyrene-based iptycenes for the turn-off fluorescence detection of RDX and common nitroaromatic explosives. New Journal of Chemistry, 2017, 41, 2309-2320.	2.8	29
49	A Mild and Efficient Method for the Syntheses and Regioselective Ring-Opening of Aziridines. SynOpen, 2017, 01, 0015-0023.	1.7	10
50	BrÃ¸nsted 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. Green Chemistry, 2017, 19, 3282-3295.	9.0	67
51	Copper nanoparticles as inexpensive and efficient catalyst: A valuable contribution in organic synthesis. Coordination Chemistry Reviews, 2017, 353, 1-57.	18.8	136
52	The Remarkable Cooperative Effect of a BrÃ¸nstedâ€Acidic Ionic Liquid in the Cyclization of 2â€Aminobenzamides with Ketones. European Journal of Organic Chemistry, 2017, 2017, 4955-4962.	2.4	19
53	A Domino Approach for the Synthesis of Î±â€Iodoâ€Î²â€dicarbonyl Compounds from Î±â€Epoxycarbonyls. ChemistrySelect, 2017, 2, 6254-6259.	1.5	7
54	Combination of NH2OHÂ·HCl and NaIO4: a new and mild reagent for the synthesis of vicinal diiodo carbonyl compounds. Arkivoc, 2017, 2016, 416-426.	0.5	4

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55	Fluorescent Detection of 2,4â€DNT and 2,4,6â€TNT in Aqueous Media by Using Simple Waterâ€Soluble Pyrene Derivatives. Chemistry - an Asian Journal, 2016, 11, 775-781.	3.3	44
56	A one-pot approach to 10-(1 H -1,2,3-triazol-1-yl)pyrimido[1,2- a]indoles via aryne-mediated transformations of 3-(pyrimidin-2-yl)-1,2,4-triazines. Tetrahedron Letters, 2016, 57, 3862-3865.	1.4	22
57	3-Cyano-2-azaanthracene-based â€œpush-pullâ€fluorophores: A one-step preparation from 5-cyano-1,2,4-triazines and 2,3-dehydronaphthalene, generated in situ. Tetrahedron Letters, 2016, 57, 5639-5643.	1.4	24
58	A decade update on solvent and catalyst-free neat organic reactions: a step forward towards sustainability. Green Chemistry, 2016, 18, 4475-4525.	9.0	185
59	Conversion of aziridines to oxazolidines through geminal difunctionalization of vinyl arenes or by tandem ring-opening/closing reaction of aziridine itself. Tetrahedron Letters, 2016, 57, 3551-3555.	1.4	22
60	Zwitterionic Imidazolium Salt: Recent Advances in Organocatalysis. Synthesis, 2016, 48, 1269-1285.	2.3	26
61	Organocatalysis by an aprotic imidazolium zwitterion: regioselective ring-opening of aziridines and applicable to gram scale synthesis. Green Chemistry, 2016, 18, 565-574.	9.0	58
62	Zwitterionic Imidazolium Salt: An Efficient Organocatalyst for the One-Pot Synthesis of 5,6-Unsubstituted 1,4-Dihydropyridine Scaffolds. Current Organocatalysis, 2016, 3, 169-175.	0.5	3
63	Combination of NH₂OHÂ·HCl and NaIO₄: an effective reagent for molecular iodine-free regioselective 1,2-difunctionalization of olefins and easy access of terminal acetals. RSC Advances, 2015, 5, 56780-56788.	3.6	18
64	Catalytic application of task specific ionic liquid on the synthesis of benzoquinazolinone derivatives by a multicomponent reaction. Tetrahedron Letters, 2014, 55, 235-239.	1.4	38
65	Nano-indium oxide: An efficient catalyst for one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-ones with a greener prospect. Catalysis Communications, 2014, 49, 52-57.	3.3	56
66	Organocatalysis by an aprotic imidazolium zwitterion: a dramatic anionâ€“cation cooperative effect on azideâ€“nitrile cycloaddition. RSC Advances, 2014, 4, 6116.	3.6	18
67	Copper(II)â€Catalyzed Aerobic Oxidative Coupling between Chalcone and 2â€Aminopyridine via Cï£¿H Amination: An Expedient Synthesis of 3â€Aroylimidazo[1,2â€a]pyridines. Advanced Synthesis and Catalysis, 2014, 356, 1105-1112.	4.3	103
68	Iron(III)-catalyzed three-component domino strategy for the synthesis of imidazo[1,2-a]pyridines. Tetrahedron Letters, 2014, 55, 5151-5155.	1.4	51
69	A simple and efficient approach for the sulfonylation of indoles catalyzed by CuI. Journal of Sulfur Chemistry, 2013, 34, 342-346.	2.0	11
70	Metal nanoparticles in â€œon-waterâ€organic synthesis: one-pot nano CuO catalyzed synthesis of isoindolo[2,1-a]quinazolines. RSC Advances, 2013, 3, 24931.	3.6	35
71	Iron(III)â€Catalyzed Cascade Reaction between Nitroolefins and 2â€Aminopyridines: Synthesis of Imidazo[1,2â€a]pyridines and Easy Access towards Zolimidine. Advanced Synthesis and Catalysis, 2013, 355, 1065-1070.	4.3	161
72	Regioselective synthesis of pyrano[3,2-c]coumarins via Cu(II)-catalyzed tandem reaction. Tetrahedron Letters, 2013, 54, 3892-3895.	1.4	37

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73	Zwitterionicâ€Type Molten Saltâ€Catalyzed Multicomponent Reactions: Oneâ€Pot Synthesis of Substituted Imidazoles Under Solventâ€Free Conditions. Journal of Heterocyclic Chemistry, 2012, 49, 1224-1228.	2.6	25
74	Efficient and Alternative Approach for Preparation of O-Benzoyloximes Using Benzoyl Peroxide. Synthetic Communications, 2012, 42, 1848-1854.	2.1	5
75	Combination of NH2OHÂ·HCl and NaIO4: a new and mild oxidizing agent for selective oxidation of alcohols to carbonyl compounds. Tetrahedron Letters, 2012, 53, 4433-4435.	1.4	19
76	Task-specific ionic liquid catalyzed efficient microwave-assisted synthesis of 12-alkyl or aryl-8,9,10,12-tetrahydrobenzo[a]xanthen-11-ones under solvent-free conditions. Green Chemistry Letters and Reviews, 2011, 4, 205-209.	4.7	15
77	Indium Triflateâ€Catalyzed Coupling between Nitroalkenes and Phenol/Naphthols: A Simple and Direct Synthesis of Arenofurans by a Cyclization Reaction. Chemistry - an Asian Journal, 2011, 6, 406-409.	3.3	63
78	Task-specific ionic liquid-catalyzed efficient couplings of indoles with 1,3-dicarbonyl compounds: an efficient synthesis of 3-alkenylated indoles. Tetrahedron Letters, 2011, 52, 3825-3827.	1.4	26
79	A convenient synthesis of coumarins using reusable ionic liquid as catalyst. Green Chemistry Letters and Reviews, 2011, 4, 349-353.	4.7	23
80	Microwaveâ€assisted BrÃ¸nsted acidic ionic liquidâ€promoted oneâ€pot synthesis of heterobicyclic dihydropyrimidinones by a threeâ€component coupling of cyclopentanone, aldehydes, and urea. Journal of Heterocyclic Chemistry, 2010, 47, 1230-1233.	2.6	16
81	Formylation without catalyst and solvent at 80Â°C. Tetrahedron Letters, 2010, 51, 2896-2899.	1.4	73
82	Task-specific ionic-liquid-catalyzed efficient synthesis of indole derivatives under solvent-free conditions. Canadian Journal of Chemistry, 2010, 88, 150-154.	1.1	24
83	Zwitterionic-type molten salt: An efficient mild organocatalyst for synthesis of 2-amidoalkyl and 2-carbamatoalkyl naphthols. Catalysis Communications, 2010, 11, 1157-1159.	3.3	83
84	Indium triflateâ€catalyzed oneâ€pot synthesis of 14â€alkyl or arylâ€14Hâ€dibenzo[a, j]xanthenes in water. Heteroatom Chemistry, 2009, 20, 232-234.	0.7	35
85	Zwitterionic-type molten salt-catalyzed syn-selective aza-Henry reaction: solvent-free one-pot synthesis of Î²-nitroamines. Tetrahedron Letters, 2009, 50, 6998-7000.	1.4	42
86	Zinc Chloride as an Efficient Catalyst for Chemoselective Dimethyl Acetalization. Synthetic Communications, 2009, 39, 590-595.	2.1	17
87	A Facile Synthesis of 2,2,4â€Trisubstitutedâ€1,2â€Dihydroquinolines Catalyzed by Zinc Triflate under Solventâ€Free Conditions. Journal of the Chinese Chemical Society, 2008, 55, 1186-1190.	1.4	8