

Atul C Chaskar

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,620
citations

331670

21
h-index

289244

40
g-index

52
all docs

52
docs citations

52
times ranked

1636
citing authors

#	ARTICLE	IF	CITATIONS
1	Function-oriented synthesis of fluorescent chemosensor for selective detection of Al ³⁺ in neat aqueous solution: Paperstrip detection & DNA bioimaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113699.	3.9	6
2	Nanotechnology: a promising approach in nerve regeneration. <i>Current Nanoscience</i> , 2022, 18, .	1.2	1
3	Combined experimental and density functional theory studies on novel 9-(4/3/2-cyanophenyl)-9H-carbazole-carbonitrile compounds for organic electronics. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4207.	1.9	0
4	Carbazole/triphenylamine-cyanobenzimidazole hybrid bipolar host materials for green phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 92, 106090.	2.6	14
5	Novel benzothiadiazine 1,1-dioxide based bipolar host materials for efficient red phosphorescent organic light emitting diodes. <i>Organic Electronics</i> , 2021, 92, 106104.	2.6	4
6	Quantum Dots Based Fluorescent Probe for the Selective Detection of Heavy Metal Ions. <i>Journal of Fluorescence</i> , 2021, 31, 1241-1250.	2.5	22
7	Carbazole-pyridine pyrroloquinoxaline/benzothiadiazine 1,1-dioxide based bipolar hosts for efficient red PhOLEDs. <i>Organic Electronics</i> , 2021, 96, 106217.	2.6	7
8	Design and Synthesis of Novel Phenothiazine-Benzothiadiazine-1,1-dioxide Hybrid Organic Material for OLED Applications. <i>ChemistrySelect</i> , 2021, 6, 11029-11038.	1.5	4
9	Triazolopyridine hybrids as bipolar host materials for green phosphorescent organic light-emitting diodes (OLEDs). <i>Dyes and Pigments</i> , 2019, 160, 301-314.	3.7	25
10	Polyethylene Glycol (PEG-400) Mediated Environmentally Benign Protocol for the Synthesis of Pyrrolo[1,2-a]quinoxalines from Benzyl Amines at Room Temperature. <i>ChemistrySelect</i> , 2019, 4, 11362-11366.	1.5	14
11	A highly divergent Pictet-Spengler approach for pyrrolo[1,2-a]quinoxalines from aryl amine using 1,2-dinitrobenzene as an oxidant. <i>Tetrahedron Letters</i> , 2019, 60, 151250.	1.4	10
12	NBS-assisted an efficient conversion of styrenes to α -hydroxy ketones in water. <i>Tetrahedron Letters</i> , 2019, 60, 1788-1791.	1.4	3
13	Metal free oxidative C C bond cleavage: Facile and one-pot tandem synthesis of benzothiadiazine-1,1-dioxides. <i>Tetrahedron Letters</i> , 2019, 60, 1526-1529.	1.4	9
14	Highly adequate oxidative esterification of α -carbonyl aldehydes with alkyl halides in TBAI/TBHP mediated system. <i>Synthetic Communications</i> , 2019, 49, 1325-1333.	2.1	1
15	Transition metal-catalyzed C H functionalization of arylacetic acids for the synthesis of benzothiadiazine 1,1-dioxides. <i>Tetrahedron Letters</i> , 2019, 60, 891-894.	1.4	13
16	Transition Metal-Free α -C-H Functionalization of Arylacetic Acids for the Synthesis of 1,3,5-Triazines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2098-2102.	2.4	12
17	Tandem Protocol for the Synthesis of α -Acyl Benzothiadiazine 1,1-Dioxides. <i>ChemistrySelect</i> , 2018, 3, 277-283.	1.5	11
18	Copper-Catalyzed Simultaneous Activation of α -H and N-H Bonds: Three-Component One-Pot Cascade Synthesis of Multi-Substituted Imidazoles. <i>Synthesis</i> , 2018, 50, 361-370.	2.3	21

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19	Transition metal free one pot synthesis of aryl carboxylic acids via dehomologative oxidation of styrenes. <i>Tetrahedron Letters</i> , 2018, 59, 4340-4343.	1.4	15
20	Pyrrolo[1,2-a]quinoxaline-Based Bipolar Host Materials for Efficient Red Phosphorescent OLEDs. <i>ChemistrySelect</i> , 2018, 3, 10010-10018.	1.5	13
21	Tandem synthesis of aromatic amides from styrenes in water. <i>Tetrahedron Letters</i> , 2018, 59, 2820-2823.	1.4	7
22	An Efficient and Metal-free Synthesis of α -Ketoesters via Oxidative Cross Coupling of Aryl glyoxals with Alcohols. <i>ChemistrySelect</i> , 2017, 2, 900-903.	1.5	6
23	The remarkable journey of catalysts from stoichiometric to catalytic quantity for allyltrimethylsilane inspired allylation of acetals, ketals, aldehydes and ketones. <i>RSC Advances</i> , 2017, 7, 8011-8033.	3.6	20
24	Metal-Free Dehomologative Oxidation of Arylacetic Acids for the Synthesis of Aryl Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2017, 82, 3781-3786.	3.2	31
25	Oxidative cyclization of amidoximes and thiohydroxamic acids: A facile and efficient strategy for accessing 3,5-disubstituted 1,2,4-oxadiazoles and 1,4,2-oxathiazoles. <i>Tetrahedron Letters</i> , 2017, 58, 2103-2108.	1.4	23
26	One-Pot Protocol for the Synthesis of Imidazoles and Quinoxalines using <i>N</i> -Bromosuccinimide. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4217-4226.	4.3	23
27	An Efficient Synthesis of 1,2,4-Trisubstituted Imidazoles from Arylacetic Acids and <i>N</i> -Arylbenzamidines via Simultaneous C-H and N-H Bond Activation. <i>ChemistrySelect</i> , 2017, 2, 5409-5413.	1.5	6
28	An Efficient Synthesis of Pyrrolo[1,2-a]quinoxalines by Copper-Catalyzed C-H Activation of Arylacetic Acids. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1579-1583.	2.7	32
29	Iron Catalyzed Cascade Protocol for the Synthesis of Pyrrolo[1,2-a]quinoxalines: A Powerful Tool to Access Solid State Emissive Organic Luminophores. <i>ChemistrySelect</i> , 2017, 2, 6811-6817.	1.5	26
30	A multicomponent pathway-inspired regioselective synthesis of 2,3,4-trisubstituted 1H-pyrroles via [3+2] cycloaddition reaction. <i>New Journal of Chemistry</i> , 2015, 39, 4631-4639.	2.8	29
31	Deep eutectic solvent: a simple, environmentally benign reaction media for regioselective synthesis of 2,3,4-trisubstituted 1H-pyrroles. <i>RSC Advances</i> , 2015, 5, 35166-35174.	3.6	31
32	Greener [3+3] tandem annulation-oxidation approach towards the synthesis of substituted pyrimidines. <i>New Journal of Chemistry</i> , 2015, 39, 3639-3645.	2.8	62
33	The Oxidative Cross-Coupling of Benzonitriles with Multiform Substrates: A Domino Strategy Inspired Easy Access to α -Ketoamides. <i>Synthesis</i> , 2015, 47, 429-438.	2.3	16
34	Iodine-Mediated Domino Protocol for the Synthesis of Benzamides from Ethylarenes via sp^3 C-H Functionalization. <i>Synlett</i> , 2015, 26, 1677-1682.	1.8	19
35	Ir^{III} catalyzed tandem protocol for synthesis of quinoxalines via sp^3 C-H functionalization, sp^2 C-H functionalization and sp^3 C-H functionalization. <i>RSC Advances</i> , 2015, 5, 5580-5590.	3.6	61
36	Metal-free Synthesis of 2,4,6-Trisubstituted Pyrimidines using α -Unsaturated Ketones and Benzamidine via Tandem Annulation-Oxidation Pathway. <i>Letters in Organic Chemistry</i> , 2015, 12, 447-458.	0.5	8

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37	Bipolar Hosts Based on a Rigid 9,10-Dihydroanthracene Scaffold for Full-Color Electrophosphorescent Devices. <i>Israel Journal of Chemistry</i> , 2014, 54, 942-951.	2.3	8
38	Metal-free in situ sp ³ , sp ² , and sp C-H functionalization and oxidative cross coupling with benzamidines hydrochloride: a promising approach for the synthesis of β -ketoimides. <i>RSC Advances</i> , 2014, 4, 60316-60326.	3.6	38
39	A facile and practical one-pot synthesis of [1,2,4]triazolo[4,3-a]pyridines. <i>RSC Advances</i> , 2014, 4, 34056-34064.	3.6	30
40	Highly twisted biphenyl-linked carbazole-benzimidazole hybrid bipolar host materials for efficient PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8554-8563.	5.5	31
41	Fine-tuning the balance between carbazole and oxadiazole units in bipolar hosts to realize highly efficient green PhOLEDs. <i>Organic Electronics</i> , 2013, 14, 1086-1093.	2.6	28
42	Indolo[3,2-b]carbazole/benzimidazole hybrid bipolar host materials for highly efficient red, yellow, and green phosphorescent organic light emitting diodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 8399.	6.7	85
43	A diarylborane-substituted carbazole as a universal bipolar host material for highly efficient electrophosphorescence devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 870-876.	6.7	96
44	Miceller media accelerated Baylis-Hillman reaction. <i>Catalysis Science and Technology</i> , 2011, 1, 1641.	4.1	33
45	Carbazole-benzimidazole hybrid bipolar host materials for highly efficient green and blue phosphorescent OLEDs. <i>Journal of Materials Chemistry</i> , 2011, 21, 14971.	6.7	93
46	IBX promoted one-pot condensation of 2-naphthol, aldehydes, and 1,3-dicarbonyl compounds. <i>Green Chemistry Letters and Reviews</i> , 2011, 4, 171-175.	4.7	6
47	IBX in aqueous medium: a green protocol for the Biginelli reaction. <i>Catalysis Science and Technology</i> , 2011, 1, 1128.	4.1	20
48	Bipolar Host Materials: A Chemical Approach for Highly Efficient Electrophosphorescent Devices. <i>Advanced Materials</i> , 2011, 23, 3876-3895.	21.0	479
49	Bismuth (III) Salts Promoted and Ionic Liquid Assisted an Efficient and Environmentally Benign One-Pot Synthesis of 1,5-Benzodiazepine Derivatives. <i>ISRN Organic Chemistry</i> , 2011, 2011, 1-4.	1.0	4
50	Miceller-Mediated Phosphomolybdic Acid: Highly Effective Reusable Catalyst for Synthesis of Quinoline and Its Derivatives. <i>Synthetic Communications</i> , 2010, 40, 2336-2340.	2.1	17
51	Heteropoly acids as useful recyclable heterogeneous catalysts for the facile and highly efficient aza-cope rearrangement of N-allylanilines. <i>Applied Catalysis A: General</i> , 2009, 359, 84-87.	4.3	19
52	Highly Efficient and Novel Method for Synthesis of 1,3,5-Triarylbenzenes from Acetophenones. <i>Synthetic Communications</i> , 2009, 39, 4117-4121.	2.1	28