# Atul C Chaskar

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | Bipolar Host Materials: A Chemical Approach for Highly Efficient Electrophosphorescent Devices. Advanced Materials, 2011, 23, 3876-3895. | 21.0 | 479 |
| 2 | A diarylborane-substituted carbazole as a universal bipolar host material for highly efficient electrophosphorescence devices. Journal of Materials Chemistry, 2012, 22, 870-876. | 6.7 | 96 |
| 3 | Carbazoleâ€“benzimidazole hybrid bipolar host materials for highly efficient green and blue phosphorescent OLEDs. Journal of Materials Chemistry, 2011, 21, 14971. | 6.7 | 93 |
| 4 | Indolo[3,2-b]carbazole/benzimidazole hybrid bipolar host materials for highly efficient red, yellow, and green phosphorescent organic light emitting diodes. Journal of Materials Chemistry, 2012, 22, 8399. | 6.7 | 85 |
| 5 | Greener [3+3] tandem annulationâ€“oxidation approach towards the synthesis of substituted pyrimidines. New Journal of Chemistry, 2015, 39, 3639-3645. | 2.8 | 62 |
| 6 | I<sub>2</sub> catalyzed tandem protocol for synthesis of quinoxalines via sp<sup>3</sup>, sp<sup>2</sup> and sp Câ€“H functionalization. RSC Advances, 2015, 5, 5580-5590. | 3.6 | 61 |
| 7 | Metal-free in situ sp3, sp2, and sp Câ€“H functionalization and oxidative cross coupling with benzamidines hydrochloride: a promising approach for the synthesis of Î±-ketoimides. RSC Advances, 2014, 4, 60316-60326. | 3.6 | 38 |
| 8 | Miceller media accelerated Baylisâ€“Hillman reaction. Catalysis Science and Technology, 2011, 1, 1641. | 4.1 | 33 |
| 9 | An Efficient Synthesis of Pyrrolo[1,2â€a]quinoxalines by Copperâ€Catalyzed Câ^'H Activation of Arylacetic Acids. Asian Journal of Organic Chemistry, 2017, 6, 1579-1583. | 2.7 | 32 |
| 10 | Highly twisted biphenyl-linked carbazoleâ€“benzimidazole hybrid bipolar host materials for efficient PhOLEDs. Journal of Materials Chemistry C, 2014, 2, 8554-8563. | 5.5 | 31 |
| 11 | Deep eutectic solvent: a simple, environmentally benign reaction media for regioselective synthesis of 2,3,4-trisubstituted 1H-pyrroles. RSC Advances, 2015, 5, 35166-35174. | 3.6 | 31 |
| 12 | Metal-Free Dehomologative Oxidation of Arylacetic Acids for the Synthesis of Aryl Carboxylic Acids. Journal of Organic Chemistry, 2017, 82, 3781-3786. | 3.2 | 31 |
| 13 | A facile and practical one-pot synthesis of [1,2,4]triazolo[4,3-a]pyridines. RSC Advances, 2014, 4, 34056-34064. | 3.6 | 30 |
| 14 | A multicomponent pathway-inspired regioselective synthesis of 2,3,4-trisubstituted 1H-pyrroles via [3+2] cycloaddition reaction. New Journal of Chemistry, 2015, 39, 4631-4639. | 2.8 | 29 |
| 15 | Highly Efficient and Novel Method for Synthesis of 1,3,5-Triarylbenzenes from Acetophenones. Synthetic Communications, 2009, 39, 4117-4121. | 2.1 | 28 |
| 16 | Fine-tuning the balance between carbazole and oxadiazole units in bipolar hosts to realize highly efficient green PhOLEDs. Organic Electronics, 2013, 14, 1086-1093. | 2.6 | 28 |
| 17 | Iron Catalyzed Cascade Protocol for the Synthesis of Pyrrolo[1,â€‰2â€a]quinoxalines: A Powerful Tool to Access Solid State Emissive Organic Luminophores. ChemistrySelect, 2017, 2, 6811-6817. | 1.5 | 26 |
| 18 | Triazolopyridine hybrids as bipolar host materials for green phosphorescent organic light-emitting diodes (OLEDs). Dyes and Pigments, 2019, 160, 301-314. | 3.7 | 25 |

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|---|---|---|---|
| 19 | Oxidative cyclization of amidoximes and thiohydroximic acids: A facile and efficient strategy for accessing 3,5-disubstituted 1,2,4-oxadiazoles and 1,4,2-oxathiazoles. Tetrahedron Letters, 2017, 58, 2103-2108. | 1.4 | 23 |
| 20 | Oneâ€Pot Protocol for the Synthesis of Imidazoles and Quinoxalines using Nâ€Bromosuccinimide. Advanced Synthesis and Catalysis, 2017, 359, 4217-4226. | 4.3 | 23 |
| 21 | Quantum Dots Based Fluorescent Probe for the Selective Detection of Heavy Metal Ions. Journal of Fluorescence, 2021, 31, 1241-1250. | 2.5 | 22 |
| 22 | Copper-Catalyzed Simultaneous Activation of Câ€“H and Nâ€“H Bonds: Three-Component One-Pot Cascade Synthesis of MultiÂsubstituted Imidazoles. Synthesis, 2018, 50, 361-370. | 2.3 | 21 |
| 23 | IBX in aqueous medium: a green protocol for the Biginelli reaction. Catalysis Science and Technology, 2011, 1, 1128. | 4.1 | 20 |
| 24 | The remarkable journey of catalysts from stoichiometric to catalytic quantity for allyltrimethylsilane inspired allylation of acetals, ketals, aldehydes and ketones. RSC Advances, 2017, 7, 8011-8033. | 3.6 | 20 |
| 25 | Heteropoly acids as useful recyclable heterogeneous catalysts for the facile and highly efficient aza-cope rearrangement of N-allylanilines. Applied Catalysis A: General, 2009, 359, 84-87. | 4.3 | 19 |
| 26 | Iodine-Mediated Domino Protocol for the Synthesis of BenzÂamides from Ethylarenes via sp3 Câ€“H Functionalization. Synlett, 2015, 26, 1677-1682. | 1.8 | 19 |
| 27 | Miceller-Mediated Phosphomolybdic Acid: Highly Effective Reusable Catalyst for Synthesis of Quinoline and Its Derivatives. Synthetic Communications, 2010, 40, 2336-2340. | 2.1 | 17 |
| 28 | The Oxidative Cross-Coupling of Benzonitriles with Multiform Substrates: A Domino Strategy Inspired Easy Access to Î±-KetoÂimides. Synthesis, 2015, 47, 429-438. | 2.3 | 16 |
| 29 | Transition metal free one pot synthesis of aryl carboxylic acids via dehomologative oxidation of styrenes. Tetrahedron Letters, 2018, 59, 4340-4343. | 1.4 | 15 |
| 30 | Polyethyleneâ€Glycolâ€(PEGâ€400) Mediated Environmentally Benign Protocol for the Synthesis of Pyrrolo[1,2â€a]quinoxalines from Benzyl Amines at Room Temperature. ChemistrySelect, 2019, 4, 11362-11366. | 1.5 | 14 |
| 31 | Carbazole/triphenylamine-cyanobenzimidazole hybrid bipolar host materials for green phosphorescent organic light-emitting diodes. Organic Electronics, 2021, 92, 106090. | 2.6 | 14 |
| 32 | Pyrrolo[1,â€‰2â€a]quinoxalineâ€Based Bipolar Host Materials for Efficient Red Phosphorescent OLEDs. ChemistrySelect, 2018, 3, 10010-10018. | 1.5 | 13 |
| 33 | Transition metal-catalyzed C H functionalization of arylacetic acids for the synthesis of benzothiadiazine 1,1-dioxides. Tetrahedron Letters, 2019, 60, 891-894. | 1.4 | 13 |
| 34 | Transition Metalâ€Free sp<sup>3</sup> Câ€“H Functionalization of Arylacetic Acids for the Synthesis of 1,3,5â€Triazines. European Journal of Organic Chemistry, 2018, 2018, 2098-2102. | 2.4 | 12 |
| 35 | Tandem Protocol for the Synthesis of 3â€Acyl Benzothiadiazine 1,1â€Dioxides. ChemistrySelect, 2018, 3, 277-283. | 1.5 | 11 |
| 36 | A highly divergent Pictet-Spengler approach for pyrrolo[1,2-a]quinoxalines from aryl amine using 1,2-dinitrobenzene as an oxidant. Tetrahedron Letters, 2019, 60, 151250. | 1.4 | 10 |

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|---|---|---|---|
| 37 | Metal free oxidative C C bond cleavage: Facile and one-pot tandem synthesis of benzothiadiazine-1,1-dioxides. Tetrahedron Letters, 2019, 60, 1526-1529. | 1.4 | 9 |
| 38 | Bipolar Hosts Based on a Rigid 9,10â€Dihydroanthracene Scaffold for Fullâ€Color Electrophosphorescent Devices. Israel Journal of Chemistry, 2014, 54, 942-951. | 2.3 | 8 |
| 39 | Metal-free Synthesis of 2,4,6-Trisubstituted Pyrimidines using α,β- Unsaturated Ketones and Benzamidine via Tandem Annulation-Oxidation Pathway. Letters in Organic Chemistry, 2015, 12, 447-458. | 0.5 | 8 |
| 40 | Tandem synthesis of aromatic amides from styrenes in water. Tetrahedron Letters, 2018, 59, 2820-2823. | 1.4 | 7 |
| 41 | Carbazole-pyridine pyrroloquinoxaline/benzothiadiazine 1,1-dioxide based bipolar hosts for efficient red PhOLEDs. Organic Electronics, 2021, 96, 106217. | 2.6 | 7 |
| 42 | IBX promoted one-pot condensation of Î²-naphthol, aldehydes, and 1,3-dicarbonyl compounds. Green Chemistry Letters and Reviews, 2011, 4, 171-175. | 4.7 | 6 |
| 43 | An Efficient and Metalâ€“free Synthesis of Î±â€Ketoesters via Oxidative Cross Coupling of Arylglyoxals with Alcohols. ChemistrySelect, 2017, 2, 900-903. | 1.5 | 6 |
| 44 | An Efficient Synthesis of 1,2,4-Trisubstituted Imidazoles from Arylacetic Acids and N -Arylbenzamidines via Simultaneous C-H and N-H Bond Activation. ChemistrySelect, 2017, 2, 5409-5413. | 1.5 | 6 |
| 45 | Function-oriented synthesis of fluorescent chemosensor for selective detection of Al3+ in neat aqueous solution: Paperstrip detection & DNA bioimaging. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113699. | 3.9 | 6 |
| 46 | Bismuth (III) Salts Promoted and Ionic Liquid Assisted an Efficient and Environmentally Benign One-Pot Synthesis of 1,5-Benzodiazepine Derivatives. ISRN Organic Chemistry, 2011, 2011, 1-4. | 1.0 | 4 |
| 47 | Novel benzothiadiazine 1,1-dioxide based bipolar host materials for efficient red phosphorescent organic light emitting diodes. Organic Electronics, 2021, 92, 106104. | 2.6 | 4 |
| 48 | Design and Synthesis of Novel Phenothiazineâ€Benzothiadiazineâ€1,1â€dioxide Hybrid Organic Material for OLED Applications. ChemistrySelect, 2021, 6, 11029-11038. | 1.5 | 4 |
| 49 | NBS-assisted an efficient conversion of styrenes to Î±-hydroxy ketones in water. Tetrahedron Letters, 2019, 60, 1788-1791. | 1.4 | 3 |
| 50 | Highly adequate oxidative esterification of Î±-carbonyl aldehydes with alkyl halides in TBAI/TBHP mediated system. Synthetic Communications, 2019, 49, 1325-1333. | 2.1 | 1 |
| 51 | Nanotechnology: a promising approach in nerve regeneration. Current Nanoscience, 2022, 18, . | 1.2 | 1 |
| 52 | Combined experimental and density functional theory studies on novel 9â€(4/3/2â€cyanophenyl)â€9 H â€carbazoleâ€3â€carbonitrile compounds for organic electronics. Journal of Physical Organic Chemistry, 2021, 34, e4207. | 1.9 | 0 |