Chandra M R Volla

List of Publications by Year
in descending order

55 papers	2,806 citations	186209 28 h-index	175177 52 g-index
64 all docs	64 docs citations	64 times ranked	2655 citing authors

#	Article	IF	Citations
1	Catalytic Câ€“C Bond-Forming Multi-Component Cascade or Domino Reactions: Pushing the Boundaries of Complexity in Asymmetric Organocatalysis. Chemical Reviews, 2014, 114, 2390-2431.	23.0	954
2	Cobaltâ€Catalyzed sp²â€Câˆ’H Activation: Intermolecular Heterocyclization with Allenes at Room Temperature. Angewandte Chemie - International Edition, 2016, 55, 12361-12365.	7.2	144
3	Cobalt-catalyzed aryl Câ€“H activation and highly regioselective intermolecular annulation of sulfonamides with allenes. Chemical Communications, 2017, 53, 1872-1875.	2.2	95
4	Catalytic Asymmetric Addition of Aldehydes to Oxocarbenium Ions: A Dual Catalytic System for the Synthesis of Chromenes. Organic Letters, 2012, 14, 4642-4645.	2.4	93
5	Palladium Catalyzed Regioselective C4â€Arylation and Olefination of Indoles and Azaindoles. Advanced Synthesis and Catalysis, 2019, 361, 1441-1446.	2.1	73
6	Palladiumâ€Catalyzed Aerobic Domino Oxidative Carbocyclizationâ€Alkynylation of Allenynes. Angewandte Chemie - International Edition, 2013, 52, 14209-14213.	7.2	64
7	Metal Free Sulfonylative Spirocyclization of Alkenyl and Alkynyl Amides via Insertion of Sulfur Dioxide. Advanced Synthesis and Catalysis, 2020, 362, 224-229.	2.1	63
8	Palladium catalyzed direct aliphatic Î³C(sp³)â€“H alkenylation with alkenes and alkenyl iodides. Chemical Communications, 2017, 53, 12457-12460.	2.2	61
9	Asymmetric Ion Pair Catalysis of 6Ï€â€…Electrocyclizations: BrÃ¸nsted Acid Catalyzed Enantioselective Synthesis of Optically Active 1,4â€Dihydropyridazines. Angewandte Chemie - International Edition, 2013, 52, 8008-8011.	7.2	57
10	Cobaltâ€Catalyzed C8â€Dienylation of Quinolineâ€Nâ€Oxides. Angewandte Chemie - International Edition, 2020, 59, 17042-17048.	7.2	53
11	General and Efficient Organocatalytic Synthesis of Indoloquinolizidines, Pyridoquinazolines and Quinazolinones through a Oneâ€Pot Domino Michael Additionâ€Cyclizationâ€•Pictetâ€“Spengler or 1,2â€Amine Addition Reaction. Advanced Synthesis and Catalysis, 2011, 353, 2853-2859.	2.1	51
12	Cobaltâ€Catalyzed Diastereoselective [4+2] Annulation of Phosphinamides with Heterobicyclic Alkenes at Room Temperature. Advanced Synthesis and Catalysis, 2018, 360, 255-260.	2.1	48
13	Palladium-Catalyzed Oxidative Domino Carbocyclizationâ€“Carbonylationâ€“Alkynylation of Enallenes. Organic Letters, 2014, 16, 4174-4177.	2.4	45
14	Cobalt-Catalyzed Annulation Reactions of Alkylidenecyclopropanes: Access to Spirocyclopropanes at Room Temperature. Organic Letters, 2019, 21, 3871-3875.	2.4	45
15	Ru(II)-Catalyzed Câ€“H Functionalization of N-Hydroxyoximes with 1,3-Diynes Unveils a Regioselective Disparity. Organic Letters, 2020, 22, 2141-2146.	2.4	42
16	Visible-light mediated sulfonylation of thiols via insertion of sulfur dioxide. Organic and Biomolecular Chemistry, 2019, 17, 5897-5901.	1.5	40
17	Traceless Bidentate Directing Group Assisted Cobalt-Catalyzed sp²-Câ€“H Activation and [4 + 2]-Annulation Reaction with 1,3-Diynes. Organic Letters, 2020, 22, 7480-7485.	2.4	40
18	Cobaltâ€Catalyzed sp²â€Câˆ’H Activation: Intermolecular Heterocyclization with Allenes at Room Temperature. Angewandte Chemie, 2016, 128, 12549-12553.	1.6	38

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19	Palladium-Catalyzed Oxidative Carbocyclization-Carbonylation of Allenynes and Enallenes. Chemistry - A European Journal, 2014, 20, 7608-7612.	1.7	36
20	Metal-free spirocyclization of N-arylpropiolamides with glyoxylic acids: access to complex azaspiro-fused tricycles. Chemical Communications, 2020, 56, 12367-12370.	2.2	35
21	Selective Cascade Reaction of Bisallenes via Palladiumâ€Catalyzed Aerobic Oxidative Carbocyclizationâ€“Borylation and Aldehyde Trapping. Angewandte Chemie - International Edition, 2017, 56, 1590-1594.	7.2	34
22	Rh(II)-Catalyzed Denitrogenative Reaction of N-Sulfonyl-1,2,3-triazoles with Isatins for the Construction of Indigoids. Organic Letters, 2017, 19, 5764-5767.	2.4	34
23	Rhâ€Catalyzed Denitrogenative Reaction of Nâ€Sulfonylâ€1,2,3â€triazoles with Isatoic Anhydrides and Oxadiazolones. Chemistry - A European Journal, 2018, 24, 2558-2564.	1.7	34
24	Visible Light Mediated Sulfenylationâ€Annulation Cascade of Alkyne Tethered Cyclohexadienones. Advanced Synthesis and Catalysis, 2019, 361, 4983-4988.	2.1	33
25	Rh(II)-Catalyzed Highly Diastereoselective Cascade Transannulation of N-Sulfonyl-1,2,3-triazoles and Vinyl Benzoxazinanones. Organic Letters, 2019, 21, 3716-3720.	2.4	33
26	BrÃ¸nsted-acid catalyzed condensation-Michael reaction-Pictetâ€“Spengler cyclizationâ€”highly stereoselective synthesis of indoloquinolizidines. RSC Advances, 2011, 1, 79.	1.7	31
27	Fluorine effects in organocatalysis â€“ asymmetric BrÃ¸nsted acid assisted Lewis base catalysis for the synthesis of trifluoromethylated heterocycles exploiting the negative hyperconjugation of the CF3-group. Chemical Communications, 2014, 50, 7889-7892.	2.2	31
28	Cobalt(III)â€Catalyzed [4+2] Annulation of Heterobicyclic Alkenes by sp² Câ^'H Activation. Asian Journal of Organic Chemistry, 2018, 7, 1362-1367.	1.3	30
29	Dual metal and Lewis base catalysis approach for asymmetric synthesis of dihydroquinolines and the Î±-arylation of aldehydes via N-acyliminium ions. Chemical Communications, 2015, 51, 15788-15791.	2.2	26
30	Palladium-Catalyzed Oxidative Domino Carbocyclizationâ€“Arylation of Bisallenes. ACS Catalysis, 2016, 6, 6398-6402.	5.5	26
31	Rhodium-catalyzed denitrogenative transannulation of 1,2,3-triazolyl-carbamates: efficient access to 4-aminooxazolidinones. Organic Chemistry Frontiers, 2017, 4, 1380-1384.	2.3	25
32	Rh(<scp>iii</scp>)-Catalyzed [5 + 1] annulation of 2-alkenylanilides and 2-alkenylphenols with allenyl acetates. Chemical Science, 2022, 13, 2043-2049.	3.7	25
33	Rh(II)-Catalyzed Denitrogenative Transannulation of N-Sulfonyl-1,2,3-triazolyl Cyclohexadienones for the Synthesis of Benzofurans and Cyclopropa[cd]indole-carbaldehydes. Journal of Organic Chemistry, 2019, 84, 12198-12208.	1.7	24
34	Catalytic Cascade Cyclization and Regioselective Hydroheteroarylation of Unactivated Alkenes. ACS Catalysis, 2021, 11, 7750-7761.	5.5	23
35	Palladium-catalyzed highly diastereoselective cascade dihalogenation of alkyne-tethered cyclohexadienones via Umpolung of palladium enolate. Chemical Communications, 2019, 55, 13442-13445.	2.2	22
36	Cuâ€catalyzed Cascade Cyclization of Isothiocyanates, Alkynes, and Diaryliodonium Salts: Access to Diversely Functionalized Quinolines. Chemistry - A European Journal, 2017, 23, 12462-12466.	1.7	21

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37	Ru(<scp>ii</scp>)-catalyzed allenylation and sequential annulation of N-tosylbenzamides with propargyl alcohols. Chemical Communications, 2021, 57, 6280-6283.	2.2	18
38	Cobalt-Catalyzed Câ€“H Activation and [3 + 2] Annulation with Allenes: Diastereoselective Synthesis of Indane Derivatives. Organic Letters, 2021, 23, 5018-5023.	2.4	17
39	Allenes: Versatile Building Blocks in Cobalt-Catalyzed Câ€“H Activation. Synlett, 2021, 32, 1169-1178.	1.0	16
40	Metalâ€Free Remote Câ€H Bond Acetoxylation of 8â€Aminoquinolines on the C5â€Position. ChemistrySelect, 2017, 2, 7251-7254.	0.7	14
41	Pd(II)-Catalyzed Transient Directing Group-Assisted Regioselective Diverse C4â€“H Functionalizations of Indoles. Organic Letters, 2022, 24, 1941-1946.	2.4	14
42	Catalytic Insertion Reactions of Î±â€Imino Carbenoids. Chemical Record, 2021, 21, 4032-4058.	2.9	14
43	Selective Cascade Reaction of Bisallenes via Palladiumâ€Catalyzed Aerobic Oxidative Carbocyclizationâ€“Borylation and Aldehyde Trapping. Angewandte Chemie, 2017, 129, 1612-1616.	1.6	13
44	Pd^{II}â€Catalyzed Cascade Synthesis of Chromane Derivatives Initiated by cisâ€Chloropalladation or transâ€Acetoxypalladation. Chemistry - an Asian Journal, 2018, 13, 2435-2439.	1.7	13
45	Rh(III)â€Catalyzed Denitrogenative [4+2] Annulation of Benzamides and 3â€Diazoindolinâ€2â€imines: Expedient Access to Indolo[2,3â€c] isoquinolinâ€5â€ones. Chemistry - an Asian Journal, 2020, 15, 1052-1056.	1.7	13
46	Rh(III)-Catalyzed Stereoselective Câ€“C Bond Cleavage of ACPs with N-Phenoxyacetamides: The Critical Role of the Nucleophilic Directing Group. Journal of Organic Chemistry, 2021, 86, 10474-10483.	1.7	13
47	Rh(III)â€Catalyzed Redoxâ€Neutral Cascade Annulation of Benzamides withpâ€Quinone Methides. European Journal of Organic Chemistry, 2020, 2020, 4494-4498.	1.2	12
48	Catalytic, Regioselective Hydrocarbofunctionalization of Unactivated Alkenes Triggered by trans-Acetoxypalladation of Alkynes. Organic Letters, 2021, 23, 1440-1444.	2.4	12
49	Rh(II)â€Catalyzed Denitrogenative Reaction of 1,2,3â€Triazolyl Esters with Indoles or Arenes: Efficient Synthesis of Homotryptamines or Allylamines. Advanced Synthesis and Catalysis, 2020, 362, 3627-3634.	2.1	11
50	Deoxygenative C2-heteroarylation of quinoline N-oxides: facile access to Î±-triazolylquinolines. Beilstein Journal of Organic Chemistry, 2021, 17, 485-493.	1.3	10
51	Rh(II)-catalyzed Denitrogenative Cascade of 1,2,3-Triazolyl Propiolates and Indoles: Access to Butenolide Tethered Homotryptamines. Organic Letters, 2021, 23, 4294-4299.	2.4	10
52	Water Mediated Rearrangement of Alkynyl Cyclohexadienones: Access to meta-Alkenylated Phenols. Organic Letters, 2021, 23, 1840-1845.	2.4	9
53	Cobaltâ€Catalyzed C8â€Dienylation of Quinolineâ€N â€Oxides. Angewandte Chemie, 2020, 132, 17190-17196.	1.6	8
54	Cobalt-catalyzed highly diastereoselective [3 + 2] carboannulation reactions: facile access to substituted indane derivatives. Chemical Communications, 2022, 58, 1386-1389.	2.2	4

#	Article	IF	Citations
55	Rh(I)â€Catalyzed Decarboxylative Arylation of Alkynyl Cyclic Carbonates: Divergent Access to Substituted Î±â€Allenols and 1,3â€Butadienes. Advanced Synthesis and Catalysis, 2022, 364, 565-573.	2.1	2