Ponneri Chandrababu Ravikumar

List of Publications by Year
in descending order

39 papers	1,986 citations	516561 16 h-index	315616 38 g-index
53 all docs	53 docs citations	53 times ranked	2877 citing authors

#	Article	IF	Citations
1	Nitrile-Containing Pharmaceuticals: Efficacious Roles of the Nitrile Pharmacophore. Journal of Medicinal Chemistry, 2010, 53, 7902-7917.	2.9	1,279
2	Nanocomposite of MoS₂-RGO as Facile, Heterogeneous, Recyclable, and Highly Efficient Green Catalyst for One-Pot Synthesis of Indole Alkaloids. ACS Sustainable Chemistry and Engineering, 2017, 5, 8551-8567.	3.2	82
3	An unusual chemoselective oxidation strategy by an unprecedented exploration of an electrophilic center of DMSO: a new facet to classical DMSO oxidation. Chemical Communications, 2015, 51, 15438-15441.	2.2	57
4	Cobalt-Catalyzed Regioselective Direct C-4 Alkenylation of 3-Acetylindole with Michael Acceptors Using a Weakly Coordinating Functional Group. Organic Letters, 2019, 21, 8138-8143.	2.4	54
5	Cobalt Catalyzed Hydroarylation of Michael Acceptors with Indolines Directed by a Weakly Coordinating Functional Group. Organic Letters, 2019, 21, 4049-4053.	2.4	40
6	Synthesis of the Fully Glycosylated Cyclohexenone Core of Lomaiviticin A. Organic Letters, 2009, 11, 4322-4325.	2.4	39
7	Development of Enantioselective Synthetic Routes to (â^')-Kinamycin F and (â^')-Lomaiviticin Aglycon. Journal of the American Chemical Society, 2012, 134, 17262-17273.	6.6	37
8	Rhodium-Catalyzed Room Temperature Câ€“C Activation of Cyclopropanol for One-Step Access to Diverse 1,6-Diketones. Organic Letters, 2020, 22, 2854-2860.	2.4	33
9	O-Directed Câ€“H functionalization via cobaltacycles: a sustainable approach for Câ€“C and Câ€“heteroatom bond formations. Chemical Communications, 2021, 57, 3630-3647.	2.2	29
10	Redox-Neutral Cobalt(III)-Catalyzed Câ€“H Activation/Annulation of Î±,Î²-Unsaturated Oxime Ether with Alkyne: One-Step Access to Multisubstituted Pyridine. Journal of Organic Chemistry, 2021, 86, 1074-1083.	1.7	26
11	Cobalt-Catalyzed One-Step Access to Pyroquilon and C-7 Alkenylation of Indoline with Activated Alkenes Using Weakly Coordinating Functional Groups. Journal of Organic Chemistry, 2020, 85, 5330-5341.	1.7	24
12	A Palladium-Catalyzed Cascade Câ€“C Activation of Cyclopropenone and Carbonylative Amination: Easy Access to Highly Functionalized Maleimide Derivatives. Organic Letters, 2020, 22, 1368-1374.	2.4	23
13	Hexafluoroisopropanol mediated benign synthesis of 2H-pyrido[1,2-a]pyrimidin-2-ones by using a domino protocol. New Journal of Chemistry, 2017, 41, 14862-14870.	1.4	21
14	Allylic and Allenic Halide Synthesis via NbCl₅- and NbBr₅-Mediated Alkoxide Rearrangements. Journal of Organic Chemistry, 2009, 74, 7294-7299.	1.7	20
15	Breaking the Trend: Insight into Unforeseen Reactivity of Alkynes in Cobalt-Catalyzed Weak Chelation-Assisted Regioselective C(4)â€“H Functionalization of 3-Pivaloyl Indole. ACS Catalysis, 2021, 11, 11579-11587.	5.5	19
16	Palladium-catalyzed selective Câ€“C bond cleavage and stereoselective alkenylation between cyclopropanol and 1,3-diyne: one-step synthesis of diverse conjugated enynes. Chemical Science, 2022, 13, 2692-2700.	3.7	17
17	Direct Conversion of Aldehydes and Ketones to Allylic Halides by a NbX5-[3,3] Rearrangement. Synlett, 2009, 2009, 1077-1080.	1.0	15
18	Hydroxylamineâ€Oâ€sulfonic Acid (HOSA) as a Redoxâ€Neutral Directing Group: Rhodium Catalyzed, Additive Free, Oneâ€Pot Synthesis of Isoquinolines from Arylketones. European Journal of Organic Chemistry, 2020, 2020, 1006-1014.	1.2	15

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19	Palladium-Catalyzed Câ€“C Bond Activation of Cyclopropenone: Modular Access to Trisubstituted Î±,Î²-Unsaturated Esters and Amides. Journal of Organic Chemistry, 2021, 86, 2682-2695.	1.7	15
20	N-Amino-7-azaindole as the N,Nâ€²-Bidentate Directing Group: Ruthenium-Catalyzed Oxidative Annulation of N-(7-Azaindole)benzamides with Alkynes via Câ€“H Bond Activation. Journal of Organic Chemistry, 2019, 84, 12314-12323.	1.7	12
21	Ruthenium-Catalyzed Cross Dehydrogenative Annulation of N-(7-Azaindole)benzamides with Maleimides: One-Step Access to Highly Functionalized Pyrroloisoquinoline. Journal of Organic Chemistry, 2021, 86, 6551-6565.	1.7	12
22	Cobalt(III)-Catalyzed C-6 Alkenylation of 2-Pyridones by Using Terminal Alkyne with High Regioselectivity. Journal of Organic Chemistry, 2021, 86, 9444-9454.	1.7	11
23	The First Total Synthesis of (Â±)-Herbertenones A and B. Synthesis, 2008, 2008, 1527-1534.	1.2	9
24	Transmissive Olefination Route to Putative â€œMorinol Iâ€•Lignans. Journal of Organic Chemistry, 2012, 77, 3651-3657.	1.7	9
25	Formal Total Synthesis of Amphidinolide Q. Journal of Organic Chemistry, 2016, 81, 9728-9737.	1.7	9
26	Synthesis and Photophysical Study of Heteropolycyclic and Carbazole Motif: Nickel-Catalyzed Chelate-Assisted Cascade Câ€“H Activations/Annulations. Organic Letters, 2021, 23, 9041-9046.	2.4	9
27	Overcoming the Challenges toward Selective C(6)â€“H Functionalization of 2-Pyridone with Maleimide through Mn(I)-Catalyst: Easy Access to All-Carbon Quaternary Center. Organic Letters, 2022, 24, 848-852.	2.4	9
28	Synthesis of (Â±)â€•12â€•Methoxyherbertenediol Dimethyl Ether. Synthetic Communications, 2007, 37, 4123-4140.	1.1	8
29	Exploration of Aberrant Behaviour of Grignard Reagents with Indole-3-carboxaldehyde: Application to the Synthesis of Turbomycin B and Vibrindole A Derivatives. Synlett, 2016, 28, 117-121.	1.0	8
30	Rhodium-Catalyzed One-Pot Access to N-Polycyclic Aromatic Hydrocarbons from Aryl Ketones through Triple Câ€“H Bond Activations. Journal of Organic Chemistry, 2021, 86, 1108-1117.	1.7	8
31	Ruthenium-Catalyzed Regioselective C(sp²)â€“H Activation/Annulation of N-(7-Azaindole)amides with 1,3-Diynes Using N-Amino-7-azaindole as the N,N-Bidentate Directing Group. Journal of Organic Chemistry, 2021, 86, 9428-9443.	1.7	7
32	Hypervalent iodine mediated direct one pot transformation of aldehydes to ketones. RSC Advances, 2014, 4, 15011-15013.	1.7	6
33	Pyridone Directed Ru-Catalyzed Olefination of sp²(Câ€“H) Bond Using Michael Acceptors: Creation of Drug Analogues. Journal of Organic Chemistry, 2022, 87, 6189-6201.	1.7	5
34	Alkenenitrile Transmissive Olefination: Synthesis of the Putative Lignan â€œMorinol Iâ€• European Journal of Organic Chemistry, 2011, 2011, 6843-6846.	1.2	4
35	Câ€“H-Activation approach towards the core structure of the alkaloid Î³-lycorane. Tetrahedron, 2016, 72, 6499-6509.	1.0	4
36	Regio- and Stereoselective Synthesis of the Core Structure of Hexahydrobenzo[c]phenanthridine Alkaloids via Redox-Neutral Cp*Rh(III)-Catalyzed Câ€“H/Nâ€“H Annulation of Cyclic Alkenes with Benzamides. ACS Omega, 2020, 5, 24033-24044.	1.6	4

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37	Co(II)-Catalyzed Câ€“H/Nâ€“H Annulation of Cyclic Alkenes with Indole-2-carboxamides at Room Temperature: One-Step Access to Î²-Carboline-1-one Derivatives. Journal of Organic Chemistry, 2022, 87, 4438-4448.	1.7	4
38	Bismuth(iii)-catalyzed regioselective alkylation of tetrahydroquinolines and indolines towards the synthesis of bioactive core-biaryl oxindoles and CYP19 inhibitors. Organic and Biomolecular Chemistry, 2021, 19, 891-905.	1.5	1
39	Co(II) Catalysed Câ€H/Nâ€H Annulation of Cyclic Alkenes with Benzamides at Room Temperature; An Easy Access to the Core Skeleton of Hexahydrobenzo[c]phenanthridine typeâ€Alkaloids.. Asian Journal of Organic Chemistry, 0, , .	1.3	1