Boopathy Gnanaprakasam

List of Publications by Year
in descending order

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44 papers	2,500 citations	331670 21 h-index	223800 46 g-index
46 all docs	46 docs citations	46 times ranked	2289 citing authors

#	Article	IF	Citations
1	Direct Synthesis of Imines from Alcohols and Amines with Liberation of H₂. Angewandte Chemie - International Edition, 2010, 49, 1468-1471.	13.8	420
2	Direct Hydrogenation of Amides to Alcohols and Amines under Mild Conditions. Journal of the American Chemical Society, 2010, 132, 16756-16758.	13.7	394
3	Synthesis of Amides from Esters and Amines with Liberation of H₂ under Neutral Conditions. Journal of the American Chemical Society, 2011, 133, 1682-1685.	13.7	253
4	Synthesis of Peptides and Pyrazines from Î²â€Amino Alcohols through Extrusion of H₂ Catalyzed by Ruthenium Pincer Complexes: Ligandâ€Controlled Selectivity. Angewandte Chemie - International Edition, 2011, 50, 12240-12244.	13.8	138
5	â€œLong-Rangeâ€•Metalâ^'Ligand Cooperation in H₂ Activation and Ammonia-Promoted Hydride Transfer with a Rutheniumâ^'Acridine Pincer Complex. Journal of the American Chemical Society, 2010, 132, 14763-14765.	13.7	129
6	Recent Advances in the Metalâ€Catalyzed Activation of Amide Bonds. Chemistry - an Asian Journal, 2019, 14, 76-93.	3.3	111
7	Ruthenium Pincerâ€Catalyzed Crossâ€Dehydrogenative Coupling of Primary Alcohols with Secondary Alcohols under Neutral Conditions. Advanced Synthesis and Catalysis, 2012, 354, 2403-2406.	4.3	109
8	Ruthenium Pincerâ€Catalyzed Acylation of Alcohols Using Esters with Liberation of Hydrogen under Neutral Conditions. Advanced Synthesis and Catalysis, 2010, 352, 3169-3173.	4.3	75
9	Benzimidazolin-2-ylidene N-heterocyclic carbene complexes of ruthenium as a simple catalyst for the N-alkylation of amines using alcohols and diols. RSC Advances, 2015, 5, 4434-4442.	3.6	73
10	Transition-Metal-Free Câ€“H Hydroxylation of Carbonyl Compounds. Organic Letters, 2017, 19, 3628-3631.	4.6	68
11	Synthesis of polyamides from diols and diamines with liberation of H₂. Journal of Polymer Science Part A, 2012, 50, 1755-1765.	2.3	64
12	Iron-Catalyzed Batch/Continuous Flow Câ€“H Functionalization Module for the Synthesis of Anticancer Peroxides. Journal of Organic Chemistry, 2018, 83, 1358-1368.	3.2	39
13	Imidazolium salts as phase transfer catalysts for the dialkylation and cycloalkylation of active methylene compounds. Tetrahedron Letters, 2005, 46, 635-638.	1.4	38
14	Diastereoselective synthesis of strained spiro-cyclopropanooxindoles from cyclic diazoamides. Tetrahedron Letters, 2010, 51, 5662-5665.	1.4	38
15	Ruthenium-catalyzed direct Î±-alkylation of amides using alcohols. Organic and Biomolecular Chemistry, 2016, 14, 9215-9220.	2.8	35
16	Ru-NHC Catalyzed Domino Reaction of Carbonyl Compounds and Alcohols: A Short Synthesis of Donaxaridine. ACS Omega, 2017, 2, 8234-8252.	3.5	26
17	Regioselective Nucleophilic Addition to Carbonyl Ylide Intermediates:â€‰ A Novel Diastereoselective Synthesis of Cycloalkyl Fused Furan-3-ones. Organic Letters, 2005, 7, 4577-4580.	4.6	24
18	The Rearrangement of Peroxides for the Construction of Fluorophoric 1,4-Benzoxazin-3-one Derivatives. Organic Letters, 2019, 21, 1617-1621.	4.6	23

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19	Enantioselective Total Synthesis of Secalonic Acid E. Chemistry - A European Journal, 2015, 21, 16807-16810.	3.3	22
20	New Approach to the Synthesis of Macrocyclic Tetralactones via Ring-Closing Metathesis Using Grubbs' First-Generation Catalyst. Journal of Organic Chemistry, 2007, 72, 1495-1498.	3.2	20
21	Ligand-Free Ru-Catalyzed Direct sp³ Câ€“H Alkylation of Fluorene Using Alcohols. Journal of Organic Chemistry, 2020, 85, 2277-2290.	3.2	19
22	Desymmetrization of Cyclic Anhydrides Using Dihydroxy Compounds:â€‰ Selective Synthesis of Macrocyclic Tetralactones. Organic Letters, 2006, 8, 1913-1916.	4.6	18
23	Reactions of macrocyclic rhodium carbenoids: regioselective synthesis of indol-3-yl macrocyclic lactones and cryptands. Tetrahedron Letters, 2008, 49, 475-480.	1.4	18
24	Ionic liquids as a convenient recyclable medium for the generation of transient carbonyl ylides: syntheses of oxa and dioxa-bridged polycyclic systems. Tetrahedron, 2005, 61, 1309-1315.	1.9	15
25	Peroxidation of 2-oxindole and barbituric acid derivatives under batch and continuous flow using an eco-friendly ethyl acetate solvent. Reaction Chemistry and Engineering, 2019, 4, 1277-1283.	3.7	15
26	Manganese-Catalyzed Synthesis of Quaternary Peroxides: Application in Catalytic Deperoxidation and Rearrangement Reactions. Journal of Organic Chemistry, 2020, 85, 10488-10503.	3.2	14
27	Sn-Catalyzed Criegee-Type Rearrangement of Peroxyoxindoles Enabled by Catalytic Dual Activation of Esters and Peroxides. Journal of Organic Chemistry, 2020, 85, 3374-3382.	3.2	14
28	Tandem reactions of Î±-diazo ketones with macrocyclic olefins: diastereoselective synthesis of oxanorbornane fused macrocyclic lactones. Tetrahedron, 2007, 63, 3355-3362.	1.9	12
29	MnO₂@Fe₃O₄ Magnetic Nanoparticles as Efficient and Recyclable Heterogeneous Catalyst for Benzylic sp³ Cî—¸H Oxidation. Chemistry - an Asian Journal, 2019, 14, 3414-3423.	3.3	10
30	Continuous-Flow Accelerated Sulfation of Heparan Sulfate Intermediates. Organic Letters, 2020, 22, 3402-3406.	4.6	9
31	Catalytic Acceptorless Dehydrogenation of Amino Alcohols and 2-Hydroxybenzyl Alcohols for Annulation Reaction under Neutral Conditions. Journal of Organic Chemistry, 2021, 86, 8805-8828.	3.2	9
32	Indium Catalyzed Sequential Regioselective Remote Cî—¸H Indolylation and Rearrangement Reaction of Peroxyoxindole. Advanced Synthesis and Catalysis, 2021, 363, 4876-4882.	4.3	9
33	Ru-Catalyzed dehydrogenative synthesis of antimalarial arylidene oxindoles. Organic and Biomolecular Chemistry, 2018, 16, 7223-7229.	2.8	8
34	Sequential Oxidative Fragmentation and Skeletal Rearrangement of Peroxides for the Synthesis of Quinazolinone Derivatives. Journal of Organic Chemistry, 2021, 86, 9621-9636.	3.2	8
35	Insertion reactions of macrocyclic rhodium carbenoids: a novel method for the synthesis of cryptands. Tetrahedron Letters, 2007, 48, 6821-6824.	1.4	7
36	Additive Free Fe-Catalyzed Conversion of Nitro to Aldehyde under Continuous Flow Module. ACS Sustainable Chemistry and Engineering, 2018, 6, 12845-12854.	6.7	6

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37	Transition-Metal-Free Addition Reaction for the Synthesis of 3-(Aminobenzylidene/aminoalkylidene)indolin-2-ones and Its Synthetic Applications. Journal of Organic Chemistry, 2019, 84, 13516-13527.	3.2	6
38	A continuous-flow approach for the multi-gram scale synthesis of C2-alkyl- or Î²-amino functionalized 1,3-dicarbonyl derivatives and ondansetron drug using 1,3-dicarbonyls. Reaction Chemistry and Engineering, 2020, 5, 1501-1508.	3.7	5
39	Synthesis of Quaternary Spirooxindole 2Hâ€Azirines under Batch and Continuous Flow Condition and Metal Assisted Umpolung Reactivity for the Ringâ€Opening Reaction. Chemistry - an Asian Journal, 2021, 16, 656-665.	3.3	5
40	Ru-MACHO-Catalyzed Direct Inter/Intramolecular Macrocyclization of Alcohols and Ketones. Organic Letters, 2021, 23, 7386-7390.	4.6	5
41	Dehydrogenative Intramolecular Macrolactonization of Dihydroxy Compounds Using Ru-MACHO Catalyst. Organic Letters, 2022, 24, 4394-4398.	4.6	5
42	Transition-Metal-Free Alkylative Aromatization of Tetralone Using Alcohol/Amino Alcohol towards the Synthesis of Bioactive Naphthol and Benzo[e/g]indole Derivatives. Journal of Organic Chemistry, 2022, 87, 8104-8117.	3.2	4
43	Rapid and Multigram Synthesis of Vinylogous Esters under Continuous Flow: An Access to Transetherification and Reverse Reaction of Vinylogous Esters. Organic Process Research and Development, 2019, 23, 1034-1045.	2.7	3
44	Reversible chemoselective transetherification of vinylogous esters using Fe-catalyst under additive free conditions. Organic and Biomolecular Chemistry, 2019, 17, 3258-3266.	2.8	2