

Boopathy Gnanaprakasam

List of Publications by Year in descending order

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44
papers

2,500
citations

331670

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citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Free Alkylative Aromatization of Tetralone Using Alcohol/Amino Alcohol towards the Synthesis of Bioactive Naphthol and Benzo[<i>e</i>]indole Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 8104-8117.	3.2	4
2	Dehydrogenative Intramolecular Macrolactonization of Dihydroxy Compounds Using Ru-MACHO Catalyst. <i>Organic Letters</i> , 2022, 24, 4394-4398.	4.6	5
3	Synthesis of Quaternary Spirooxindole α -Azirines under Batch and Continuous Flow Condition and Metal Assisted Umpolung Reactivity for the Ring-Opening Reaction. <i>Chemistry - an Asian Journal</i> , 2021, 16, 656-665.	3.3	5
4	Catalytic Acceptorless Dehydrogenation of Amino Alcohols and 2-Hydroxybenzyl Alcohols for Annulation Reaction under Neutral Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 8805-8828.	3.2	9
5	Sequential Oxidative Fragmentation and Skeletal Rearrangement of Peroxides for the Synthesis of Quinazolinone Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 9621-9636.	3.2	8
6	Indium Catalyzed Sequential Regioselective Remote α -H Indolylolation and Rearrangement Reaction of Peroxyoxindole. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4876-4882.	4.3	9
7	Ru-MACHO-Catalyzed Direct Inter/Intramolecular Macrocyclization of Alcohols and Ketones. <i>Organic Letters</i> , 2021, 23, 7386-7390.	4.6	5
8	Ligand-Free Ru-Catalyzed Direct α -H Alkylation of Fluorene Using Alcohols. <i>Journal of Organic Chemistry</i> , 2020, 85, 2277-2290.	3.2	19
9	Manganese-Catalyzed Synthesis of Quaternary Peroxides: Application in Catalytic Deperoxidation and Rearrangement Reactions. <i>Journal of Organic Chemistry</i> , 2020, 85, 10488-10503.	3.2	14
10	Sn-Catalyzed Criegee-Type Rearrangement of Peroxyoxindoles Enabled by Catalytic Dual Activation of Esters and Peroxides. <i>Journal of Organic Chemistry</i> , 2020, 85, 3374-3382.	3.2	14
11	A continuous-flow approach for the multi-gram scale synthesis of C2-alkyl- or β -amino functionalized 1,3-dicarbonyl derivatives and ondansetron drug using 1,3-dicarbonyls. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1501-1508.	3.7	5
12	Continuous-Flow Accelerated Sulfation of Heparan Sulfate Intermediates. <i>Organic Letters</i> , 2020, 22, 3402-3406.	4.6	9
13	MnO_2 @ Fe_3O_4 Magnetic Nanoparticles as Efficient and Recyclable Heterogeneous Catalyst for Benzylic α -H Oxidation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3414-3423.	3.3	10
14	Transition-Metal-Free Addition Reaction for the Synthesis of 3-(Aminobenzylidene/aminoalkylidene)indolin-2-ones and Its Synthetic Applications. <i>Journal of Organic Chemistry</i> , 2019, 84, 13516-13527.	3.2	6
15	Peroxidation of 2-oxindole and barbituric acid derivatives under batch and continuous flow using an eco-friendly ethyl acetate solvent. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1277-1283.	3.7	15
16	Rapid and Multigram Synthesis of Vinylogous Esters under Continuous Flow: An Access to Transesterification and Reverse Reaction of Vinylogous Esters. <i>Organic Process Research and Development</i> , 2019, 23, 1034-1045.	2.7	3
17	The Rearrangement of Peroxides for the Construction of Fluorophoric 1,4-Benzoxazin-3-one Derivatives. <i>Organic Letters</i> , 2019, 21, 1617-1621.	4.6	23
18	Reversible chemoselective transesterification of vinylogous esters using Fe-catalyst under additive free conditions. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3258-3266.	2.8	2

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19	Recent Advances in the Metal-Catalyzed Activation of Amide Bonds. <i>Chemistry - an Asian Journal</i> , 2019, 14, 76-93.	3.3	111
20	Iron-Catalyzed Batch/Continuous Flow C-H Functionalization Module for the Synthesis of Anticancer Peroxides. <i>Journal of Organic Chemistry</i> , 2018, 83, 1358-1368.	3.2	39
21	Ru-Catalyzed dehydrogenative synthesis of antimalarial arylidene oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7223-7229.	2.8	8
22	Additive Free Fe-Catalyzed Conversion of Nitro to Aldehyde under Continuous Flow Module. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12845-12854.	6.7	6
23	Ru-NHC Catalyzed Domino Reaction of Carbonyl Compounds and Alcohols: A Short Synthesis of Donaxaridine. <i>ACS Omega</i> , 2017, 2, 8234-8252.	3.5	26
24	Transition-Metal-Free C-H Hydroxylation of Carbonyl Compounds. <i>Organic Letters</i> , 2017, 19, 3628-3631.	4.6	68
25	Ruthenium-catalyzed direct α -alkylation of amides using alcohols. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9215-9220.	2.8	35
26	Enantioselective Total Synthesis of Secalonic Acid E. <i>Chemistry - A European Journal</i> , 2015, 21, 16807-16810.	3.3	22
27	Benzimidazolin-2-ylidene N-heterocyclic carbene complexes of ruthenium as a simple catalyst for the N-alkylation of amines using alcohols and diols. <i>RSC Advances</i> , 2015, 5, 4434-4442.	3.6	73
28	Ruthenium Pincer-Catalyzed Cross-Dehydrogenative Coupling of Primary Alcohols with Secondary Alcohols under Neutral Conditions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2403-2406.	4.3	109
29	Synthesis of polyamides from diols and diamines with liberation of H_2 . <i>Journal of Polymer Science Part A</i> , 2012, 50, 1755-1765.	2.3	64
30	Synthesis of Amides from Esters and Amines with Liberation of H_2 under Neutral Conditions. <i>Journal of the American Chemical Society</i> , 2011, 133, 1682-1685.	13.7	253
31	Synthesis of Peptides and Pyrazines from α -Amino Alcohols through Extrusion of H_2 Catalyzed by Ruthenium Pincer Complexes: Ligand-Controlled Selectivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12240-12244.	13.8	138
32	Ruthenium Pincer-Catalyzed Acylation of Alcohols Using Esters with Liberation of Hydrogen under Neutral Conditions. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3169-3173.	4.3	75
33	Direct Synthesis of Imines from Alcohols and Amines with Liberation of H_2 . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1468-1471.	13.8	420
34	Diastereoselective synthesis of strained spiro-cyclopropanooxindoles from cyclic diazoamides. <i>Tetrahedron Letters</i> , 2010, 51, 5662-5665.	1.4	38
35	Long-Range Metal-Ligand Cooperation in H_2 Activation and Ammonia-Promoted Hydride Transfer with a Ruthenium-Acridine Pincer Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 14763-14765.	13.7	129
36	Direct Hydrogenation of Amides to Alcohols and Amines under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2010, 132, 16756-16758.	13.7	394

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37	Reactions of macrocyclic rhodium carbenoids: regioselective synthesis of indol-3-yl macrocyclic lactones and cryptands. <i>Tetrahedron Letters</i> , 2008, 49, 475-480.	1.4	18
38	New Approach to the Synthesis of Macrocyclic Tetralactones via Ring-Closing Metathesis Using Grubbs' First-Generation Catalyst. <i>Journal of Organic Chemistry</i> , 2007, 72, 1495-1498.	3.2	20
39	Tandem reactions of β -diazo ketones with macrocyclic olefins: diastereoselective synthesis of oxanorbornane fused macrocyclic lactones. <i>Tetrahedron</i> , 2007, 63, 3355-3362.	1.9	12
40	Insertion reactions of macrocyclic rhodium carbenoids: a novel method for the synthesis of cryptands. <i>Tetrahedron Letters</i> , 2007, 48, 6821-6824.	1.4	7
41	Desymmetrization of Cyclic Anhydrides Using Dihydroxy Compounds: Selective Synthesis of Macrocyclic Tetralactones. <i>Organic Letters</i> , 2006, 8, 1913-1916.	4.6	18
42	Imidazolium salts as phase transfer catalysts for the dialkylation and cycloalkylation of active methylene compounds. <i>Tetrahedron Letters</i> , 2005, 46, 635-638.	1.4	38
43	Regioselective Nucleophilic Addition to Carbonyl Ylide Intermediates: A Novel Diastereoselective Synthesis of Cycloalkyl Fused Furan-3-ones. <i>Organic Letters</i> , 2005, 7, 4577-4580.	4.6	24
44	Ionic liquids as a convenient recyclable medium for the generation of transient carbonyl ylides: syntheses of oxa and dioxo-bridged polycyclic systems. <i>Tetrahedron</i> , 2005, 61, 1309-1315.	1.9	15