

Senthilkumar Muthaiah

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Direct Amide Synthesis from Alcohols and Amines by Phosphine-Free Ruthenium Catalyst Systems. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2643-2649.	4.3	215
2	Direct Amide Synthesis from Either Alcohols or Aldehydes with Amines: Activity of Ru(II) Hydride and Ru(O) Complexes. <i>Journal of Organic Chemistry</i> , 2010, 75, 3002-3006.	3.2	194
3	Acceptorless and Base-Free Dehydrogenation of Alcohols and Amines using Ruthenium-Hydride Complexes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3045-3053.	4.3	126
4	Counterion Dependence on the Synthetic Viability of NHC-stabilized Dichloroboreonium Cations. <i>Organometallics</i> , 2013, 32, 6718-6724.	2.3	29
5	Acceptorless dehydrogenation of amines and alcohols using simple ruthenium chloride. <i>Journal of Catalysis</i> , 2020, 386, 1-11.	6.2	25
6	Tandem Synthesis of Amides and Secondary Amines from Esters with Primary Amines under Solvent-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2653-2660.	4.3	24
7	Synthesis and Characterization of Novel Fluorophosphazene-Derived Cobaltacyclopentadienyl Metallacycles: Reagents for Assembly of Aryl-Bridged Fluorophosphazenes. <i>Inorganic Chemistry</i> , 2006, 45, 7835-7842.	4.0	22
8	Synthesis and Selectivity in the Formation of Cyclophosphazene-Derived 1,3-Cyclohexadienes from Reactions of RCpCo(COD) [R = MeOC(O)] with Alkynes and Alkenes. <i>Inorganic Chemistry</i> , 2008, 47, 3433-3441.	4.0	22
9	Extending the Chemistry of Hexamethylenetetramine in Ruthenium-Catalyzed Amine Oxidation. <i>Organometallics</i> , 2019, 38, 3560-3567.	2.3	22
10	C-F Bond Activation by Transient Phosphenium Dications. <i>Inorganic Chemistry</i> , 2015, 54, 4180-4182.	4.0	20
11	Ligand- and Acid-Free Gold(I) Chloride Catalyzed Hydration of Terminal Alkynes. <i>Synlett</i> , 2015, 26, 2517-2520.	1.8	19
12	Extending the chemistry of carbones: P-N bond cleavage via an SN ₂ -like mechanism. <i>Chemical Communications</i> , 2015, 51, 10762-10764.	4.1	15
13	Well-Defined Ruthenium Complex for Acceptorless Alcohol Dehydrogenation in Aqueous Medium. <i>ChemistrySelect</i> , 2018, 3, 3737-3741.	1.5	14
14	Reactions of [1.5-carboxycyclopentadiene][1.4-tetraphenylcyclobutadiene] cobalt with alkyl and aryl tin oxides: Synthesis, structural studies and electrochemistry of novel monomeric and dimeric [1.5-carboxycyclopentadiene][1.4-tetraphenylcyclobutadiene]cobalt based stannoxanes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4708-4716.	1.8	12
15	Synthesis of N-Heterocyclic Carbene Stabilized Catecholoboreonium Cations by Ligand Substitution. <i>Organometallics</i> , 2014, 33, 4165-4168.	2.3	9
16	Ruthenium(II)-Complex-Catalyzed Acceptorless Double Dehydrogenation of Primary Amines to Nitriles. <i>Synlett</i> , 2020, 31, 1073-1076.	1.8	9
17	Solvent and additive-free efficient aerobic oxidation of alcohols by a perovskite oxide-based heterogeneous catalyst. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1264-1271.	3.7	8
18	Synthesis of a Water-Soluble Ruthenium Complex and Its Catalytic Activity for Acceptorless Alcohol Dehydrogenation in Aqueous Medium. <i>Synlett</i> , 2018, 29, 1644-1648.	1.8	7

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19	Synthesis of ($\hat{\text{I}}^2$ -phenylethynyl)-gem-diphenyltrifluorocyclotriphosphazene and its reaction with $\text{RCpCo}(\text{PPh}_3)_2$ [$\text{R}=\text{MeOC}(\text{O})$]. <i>Inorganica Chimica Acta</i> , 2011, 372, 175-182.	2.4	6
20	Atom-Economical Synthesis of Cyclic Imides. <i>Synlett</i> , 2011, 2011, 1481-1485.	1.8	6
21	Ruthenium-Promoted Acceptorless and Oxidant-Free Lactone Synthesis in Aqueous Medium. <i>Synlett</i> , 2019, 30, 721-725.	1.8	5