

Fan Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Heterobimetallic Lanthanide/Sodium Phenoxides: Efficient Catalysts for Amidation of Aldehydes with Amines. <i>Journal of Organic Chemistry</i> , 2009, 74, 2575-2577.	3.2	124
2	Addition of Amines to Nitriles Catalyzed by Ytterbium Amides: An Efficient One-Step Synthesis of Monosubstituted <i>N</i> -Arylamidines. <i>Organic Letters</i> , 2008, 10, 445-448.	4.6	112
3	Divalent Lanthanide Complexes: Highly Active Precatalysts for the Addition of $N\text{-H}$ and $C\text{-H}$ Bonds to Carbodiimides. <i>Journal of Organic Chemistry</i> , 2008, 73, 8966-8972.	3.2	107
4	One-Pot Synthesis of β -Amino Phosphonates Using Samarium Diiodide as a Catalyst Precursor. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4728-4730.	2.4	99
5	Efficient synthesis of pyrimidinone derivatives by ytterbium chloride catalyzed Biginelli-type reaction under solvent-free conditions. <i>Tetrahedron Letters</i> , 2009, 50, 1622-1624.	1.4	77
6	Lanthanide Amides $[(M\text{-}3\text{-Si})_2\text{-N}]_3\text{-Ln}(\text{1/4-Cl})\text{Li}(\text{THF})_3$ Catalyzed Hydrophosphonylation of Aryl Aldehydes. <i>Journal of Organic Chemistry</i> , 2010, 75, 7498-7501.	3.2	76
7	Trisguanidinate Lanthanide Complexes: Syntheses, Structures, and Catalytic Activity for Mild Amidation of Aldehydes with Amines. <i>Organometallics</i> , 2009, 28, 3856-3862.	2.3	70
8	Ytterbium Triflate: A Highly Active Catalyst for Addition of Amines to Carbodiimides to <i>N,N</i> - N - N -Trisubstituted Guanidines. <i>Journal of Organic Chemistry</i> , 2009, 74, 6347-6349.	3.2	65
9	Activation of Carbodiimide and Transformation with Amine to Guanidinate Group by $\text{Ln}(\text{OAr})_3(\text{THF})_2$ (Ln: Lanthanide and Yttrium) and $\text{Ln}(\text{OAr})_3(\text{THF})_2$ as a Novel Precatalyst for Addition of Amines to Carbodiimides: Influence of Aryloxy Group. <i>Inorganic Chemistry</i> , 2011, 50, 3729-3737.	4.0	63
10	An Efficient One-Pot Synthesis of Dihydropyrimidinones by a Samarium Diiodide Catalyzed Biginelli Reaction Under Solvent-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1500-1503.	2.4	57
11	Novel Mixed-Metal Alkoxide Clusters of Lanthanide and Sodium: Synthesis and Extremely Active Catalysts for the Polymerization of μ -Caprolactone and Trimethylene Carbonate. <i>Inorganic Chemistry</i> , 2007, 46, 7722-7724.	4.0	56
12	Anionic Bridged Bis(amidinate) Lithium Lanthanide Complexes: Efficient Bimetallic Catalysts for Mild Amidation of Aldehydes with Amines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1363-1370.	4.3	55
13	Samarium diiodide promoted synthesis of <i>N,N</i> -disubstituted amidines. <i>Tetrahedron Letters</i> , 2002, 43, 1867-1869.	1.4	53
14	Heterobimetallic dianionic guanidinate complexes of lanthanide and lithium: highly efficient precatalysts for catalytic addition of amines to carbodiimides to synthesize guanidines. <i>Tetrahedron</i> , 2011, 67, 8790-8799.	1.9	52
15	Stereoselective Synthesis of Pyrano[3,2- <i>c</i>] and Furano[3,2- <i>c</i>] quinolines: Samarium Diiodide Catalyzed One-Pot Aza-Diels-Alder Reactions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5265-5269.	2.4	38
16	Efficient Synthesis of 1,5-Benzodiazepine Derivatives by Ytterbium Trichloride Catalyzed Condensation of <i>o</i> -Phenylenediamine and Ketones. <i>Synthetic Communications</i> , 2006, 36, 457-464.	2.1	37
17	An Efficient Guanylation of Aromatic Amines Catalyzed by Samarium Diiodide. <i>Chinese Journal of Chemistry</i> , 2009, 27, 19-22.	4.9	23
18	Heterometal Clusters $\text{Ln}_2\text{-Na}_8(\text{OCH})_2\text{-CH}_2\text{-NMe}_2\text{-}_{12}(\text{OH})_2$ as Homogeneous Catalysts for the Tishchenko Reaction. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1127-1131.	4.9	22

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19	Efficient Synthesis of Functionalized Benzimidazoles and Perimidines: Ytterbium Chloride Catalyzed C–C Bond Cleavage. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1880-1886.	4.9	22
20	Aluminum chloride: A highly efficient catalyst for addition of amines to carbodiimides to synthesize substituted guanidines. <i>Science Bulletin</i> , 2012, 57, 3419-3422.	1.7	21
21	Catalytic addition of amines to carbodiimides by bis(η ² -diketiminate)lanthanide complexes and mechanistic studies. <i>Dalton Transactions</i> , 2015, 44, 20075-20086.	3.3	21
22	An Efficient Synthesis of 1,5-Benzodiazepine Derivatives by Lanthanide Trichloride-catalyzed Condensation of Phenylenediamine with Unsaturated Ketone under Mild Conditions. <i>Chinese Journal of Chemistry</i> , 2008, 26, 1163-1167.	4.9	18
23	Lanthanide amides [(Me ₃ Si) ₂ N] ₃ Ln(μ-Cl)Li(THF) ₃ -catalyzed phosphoaldol Brook rearrangement reaction of dialkyl phosphites with isatins. <i>Heteroatom Chemistry</i> , 2012, 23, 449-456.	0.7	17
24	Lanthanide amide-catalyzed one-pot functionalization of isatins: synthesis of spiro[cyclopropan-1,3-oxindoles] and 2-oxindolin-3-yl phosphates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3968-3974.	2.8	17
25	Chiral ytterbium silylamide catalyzed enantioselective phospho-Michael addition of diethyl phosphite to chalcones. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 989-996.	1.8	15
26	Lanthanide Silylamide-Catalyzed Synthesis of Pyrano[2,3-b]indol-2-ones. <i>Organic Letters</i> , 2021, 23, 4785-4790.	4.6	15
27	Lanthanide-Catalyzed Selective Addition of Diethyl Phosphite to Chalcones. <i>Heteroatom Chemistry</i> , 2013, 24, 345-354.	0.7	14
28	Chemoselective reactions under solvent-free conditions: lanthanide-catalyzed syntheses of 2-amino-3,1-benzothiazines and 3,4-dihydroquinazoline-2-thiones. <i>RSC Advances</i> , 2014, 4, 3113-3120.	3.6	13
29	Tandem addition-cyclization reaction catalyzed by ytterbium chloride: An efficient one-step synthesis of 2-amino-4H-3,1-benzothiazine. <i>Science Bulletin</i> , 2013, 58, 717-723.	1.7	11
30	Cationic-lanthanide-complex-catalyzed reaction of 2-hydroxychalcones with naphthols: Facile synthesis of 2,8-dioxabicyclo[3.3.1]nonanes. <i>Tetrahedron</i> , 2018, 74, 4211-4219.	1.9	11
31	Heterobimetallic clusters of Na ₈ Ln(OtBu) ₁₀ (OH) as homogeneous catalysts for amidation of aldehydes with amines. <i>Science Bulletin</i> , 2010, 55, 3641-3643.	1.7	8
32	Investigation and mechanistic study into intramolecular hydroalkoxylation of unactivated alkenols catalyzed by cationic lanthanide complexes. <i>Tetrahedron</i> , 2017, 73, 1451-1458.	1.9	7
33	Efficient synthesis of functionalized 2-pyridones by ytterbium chloride catalyzed tandem condensation. <i>Science Bulletin</i> , 2012, 57, 1612-1615.	1.7	5
34	Diastereoselective synthesis of 1,2-dicarbonyl cyclopropanes via a lanthanide amide-catalysed reaction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6620-6628.	2.8	4
35	Controllable stereoselective synthesis of pyrano[3,2-c]quinolines by lanthanide halides catalyzed aza-Diels-Alder reactions. <i>Science Bulletin</i> , 2010, 55, 4108-4111.	1.7	3
36	Acylation of nitriles to 1,2-ketonitriles catalyzed by a heterometallic alkoxide cluster of neodymium and sodium: NdNa ₈ (OtBu) ₁₀ (OH). <i>Science Bulletin</i> , 2011, 56, 1357-1360.	1.7	2