Fan Xu

List of Publications by Year
in descending order

36 papers	1,410 citations	361413 20 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	1273 citing authors

#	Article	IF	Citations
1	Lanthanide Silylamide-Catalyzed Synthesis of Pyrano[2,3-b]indol-2-ones. Organic Letters, 2021, 23, 4785-4790.	4.6	15
2	Diastereoselective synthesis of Î±-dicarbonyl cyclopropanes via a lanthanide amide-catalysed reaction. Organic and Biomolecular Chemistry, 2019, 17, 6620-6628.	2.8	4
3	Cationic-lanthanide-complex-catalyzed reaction of 2-hydroxychalcones with naphthols: Facile synthesis of 2,8-dioxabicyclo[3.3.1]nonanes. Tetrahedron, 2018, 74, 4211-4219.	1.9	11
4	Investigation and mechanistic study into intramolecular hydroalkoxylation of unactivated alkenols catalyzed by cationic lanthanide complexes. Tetrahedron, 2017, 73, 1451-1458.	1.9	7
5	Lanthanide amide-catalyzed one-pot functionalization of isatins: synthesis of spiro[cyclopropan-1,3â€²-oxindoles] and 2-oxoindolin-3-yl phosphates. Organic and Biomolecular Chemistry, 2017, 15, 3968-3974.	2.8	17
6	Catalytic addition of amines to carbodiimides by bis(Î²-diketiminate)lanthanide(<scp>ii</scp>) complexes and mechanistic studies. Dalton Transactions, 2015, 44, 20075-20086.	3.3	21
7	Chemoselective reactions under solvent-free conditions: lanthanide-catalyzed syntheses of 2-amino-3,1-benzothiazines and 3,4-dihydroquinazoline-2-thiones. RSC Advances, 2014, 4, 3113-3120.	3.6	13
8	Chiral ytterbium silylamide catalyzed enantioselective phospha-Michael addition of diethyl phosphite to chalcones. Tetrahedron: Asymmetry, 2014, 25, 989-996.	1.8	15
9	Tandem addition-cyclization reaction catalyzed by ytterbium chloride: An efficient one-step synthesis of 2-amino-4H-3,1-benzothiazine. Science Bulletin, 2013, 58, 717-723.	1.7	11
10	Lanthanideâ€Catalyzed Selective Addition of Diethyl Phosphite to Chalcones. Heteroatom Chemistry, 2013, 24, 345-354.	0.7	14
11	Lanthanide amides [(Me₃Si)₂N]₃Ln(Âµâ€Cl)Li(THF)₃â€catalyzed phosphoâ€aldolâ€brook rearrangement reaction of dialkyl phosphites with isatins. Heteroatom Chemistry, 2012, 23, 449-456.	0.7	17
12	Aluminum chloride: A highly efficient catalyst for addition of amines to carbodiimides to synthesize substituted guanidines. Science Bulletin, 2012, 57, 3419-3422.	1.7	21
13	Efficient synthesis of functionalized 2-pyridones by ytterbium chloride catalyzed tandem condensation. Science Bulletin, 2012, 57, 1612-1615.	1.7	5
14	Activation of Carbodiimide and Transformation with Amine to Guanidinate Group by Ln(OAr)₃(THF)₂ (Ln: Lanthanide and Yttrium) and Ln(OAr)₃(THF)₂ as a Novel Precatalyst for Addition of Amines to Carbodiimides: Influence of Aryloxide Group. Inorganic Chemistry, 2011, 50, 3729-3737.	4.0	63
15	Heterobimetallic dianionic guanidinate complexes of lanthanide and lithium: highly efficient precatalysts for catalytic addition of amines to carbodiimides to synthesize guanidines. Tetrahedron, 2011, 67, 8790-8799.	1.9	52
16	Acylation of nitriles to Î²-ketonitriles catalyzed by a heterometallic alkoxide cluster of neodymium and sodium: NdNa8(O t Bu)10(OH). Science Bulletin, 2011, 56, 1357-1360.	1.7	2
17	Efficient Synthesis of Functionalized Benzimidazoles and Perimidines: Ytterbium Chloride Catalyzed Cï£¿C Bond Cleavage. Chinese Journal of Chemistry, 2011, 29, 1880-1886.	4.9	22
18	Lanthanide Amides [(Me₃Si)₂N]₃Ln(Î¼-Cl)Li(THF)₃ Catalyzed Hydrophosphonylation of Aryl Aldehydes. Journal of Organic Chemistry, 2010, 75, 7498-7501.	3.2	76

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19	Heterobimetallic clusters of Na8Ln(OtBu)10(OH) as homogeneous catalysts for amidation of aldehydes with amines. Science Bulletin, 2010, 55, 3641-3643.	1.7	8
20	Controllable stereoselective synthesis of pyrano[3,2-c]quinolines by lanthanide halides catalyzed aza-Diels-Alder reactions. Science Bulletin, 2010, 55, 4108-4111.	1.7	3
21	Anionic Bridged Bis(amidinate) Lithium Lanthanide Complexes: Efficient Bimetallic Catalysts for Mild Amidation of Aldehydes with Amines. Advanced Synthesis and Catalysis, 2009, 351, 1363-1370.	4.3	55
22	An Efficient Guanylation of Aromatic Amines Catalyzed by Samarium Diiodide. Chinese Journal of Chemistry, 2009, 27, 19-22.	4.9	23
23	Heterometal Clusters Ln₂Na₈(OCH₂CH₂NMe₂)₁₂(OH)₂ as Homogeneous Catalysts for the Tishchenko Reaction. Chinese Journal of Chemistry, 2009, 27, 1127-1131.	4.9	22
24	Efficient synthesis of pyrimidinone derivatives by ytterbium chloride catalyzed Biginelli-type reaction under solvent-free conditions. Tetrahedron Letters, 2009, 50, 1622-1624.	1.4	77
25	Heterobimetallic Lanthanide/Sodium Phenoxides: Efficient Catalysts for Amidation of Aldehydes with Amines. Journal of Organic Chemistry, 2009, 74, 2575-2577.	3.2	124
26	Trisguanidinate Lanthanide Complexes: Syntheses, Structures, and Catalytic Activity for Mild Amidation of Aldehydes with Amines. Organometallics, 2009, 28, 3856-3862.	2.3	70
27	Ytterbium Triflate: A Highly Active Catalyst for Addition of Amines to Carbodiimides toN,Nâ€²,Nâ€²â€²-Trisubstituted Guanidines. Journal of Organic Chemistry, 2009, 74, 6347-6349.	3.2	65
28	An Efficient Synthesis of 1,5â€Benzodiazepine Derivatives by Lanthanide Trichlorideâ€catalyzed Condensation of oâ€Phenylenediamine with Î±,Î²â€Unsaturated Ketone under Mild Conditions. Chinese Journal of Chemistry, 2008, 26, 1163-1167.	4.9	18
29	Addition of Amines to Nitriles Catalyzed by Ytterbium Amides:â€‰ An Efficient One-Step Synthesis of Monosubstituted N-Arylamidines. Organic Letters, 2008, 10, 445-448.	4.6	112
30	Divalent Lanthanide Complexes: Highly Active Precatalysts for the Addition of Nâˆ’H and Câˆ’H Bonds to Carbodiimides. Journal of Organic Chemistry, 2008, 73, 8966-8972.	3.2	107
31	Novel Mixed-Metal Alkoxide Clusters of Lanthanide and Sodium:â€‰ Synthesis and Extremely Active Catalysts for the Polymerization of Îµ-Caprolactone and Trimethylene Carbonate. Inorganic Chemistry, 2007, 46, 7722-7724.	4.0	56
32	Stereoselective Synthesis of Pyrano[3,2â€c]â€and Furano[3,2â€c]quinolines: Samarium Diiodideâ€Catalyzed Oneâ€Pot Azaâ€Dielsâ€“Alder Reactions. European Journal of Organic Chemistry, 2007, 2007, 5265-5269.	2.4	38
33	Efficient Synthesis of 1,5â€Benzodiazepine Derivatives by Ytterbium Trichlorideâ€“Catalyzed Condensation of oâ€Phenylenediamine and Ketones. Synthetic Communications, 2006, 36, 457-464.	2.1	37
34	An Efficient One-Pot Synthesis of Dihydropyrimidinones by a Samarium Diiodide Catalyzed Biginelli Reaction Under Solvent-Free Conditions. European Journal of Organic Chemistry, 2005, 2005, 1500-1503.	2.4	57
35	One-Pot Synthesis ofÎ±-Amino Phosphonates Using Samarium Diiodide as a Catalyst Precursor. European Journal of Organic Chemistry, 2003, 2003, 4728-4730.	2.4	99
36	Samarium diiodide promoted synthesis of N,N â€²-disubstituted amidines. Tetrahedron Letters, 2002, 43, 1867-1869.	1.4	53