Thomas C Nugent

List of Publications by Year
in descending order

30	1,921	430442	500791
papers	citations	18 h-index	28 g-index

52	52	52	1949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chiral Amine Synthesis â€“ Recent Developments and Trends for Enamide Reduction, Reductive Amination, and Imine Reduction. Advanced Synthesis and Catalysis, 2010, 352, 753-819.	2.1	798
2	Improved procedure for JuliÃ¡â€“Colonna asymmetric epoxidation of Î±,Î²-unsaturated ketones: total synthesis of diltiazem and Taxolâ€ŠTM side-chain. Journal of the Chemical Society Perkin Transactions 1, 1997, , 3501-3508.	0.9	130
3	Asymmetric epoxidation of enones employing polymeric Î±-amino acids in non-aqueous media. Chemical Communications, 1997, , 739-740.	2.2	99
4	Biocatalysis as the strategy of choice in the exhaustive enantiomerically controlled synthesis of conduritols. Journal of the Chemical Society Perkin Transactions 1, 1991, , 2907.	0.9	96
5	Noncovalent Bifunctional Organocatalysts: Powerful Tools for Contiguous Quaternaryâ€Tertiary Stereogenic Carbon Formation, Scope, and Origin of Enantioselectivity. Chemistry - A European Journal, 2012, 18, 4088-4098.	1.7	86
6	Asymmetric Reductive Amination: Convenient Access to Enantioenriched Alkyl-Alkyl or Aryl-Alkyl Substituted Î±-Chiral Primary Amines. Advanced Synthesis and Catalysis, 2006, 348, 1289-1299.	2.1	66
7	Chemoenzymatic Synthesis of All Four Stereoisomers of Sphingosine from Chlorobenzene:Â Glycosphingolipid Precursors1a. Journal of Organic Chemistry, 1998, 63, 510-520.	1.7	63
8	Practical access to highly enantioenriched quaternary carbon Michael adducts using simple organocatalysts. Organic and Biomolecular Chemistry, 2011, 9, 52-56.	1.5	42
9	Chemoenzymic Synthesis of D-erythro- and L-threo-C18-Sphingosines. Journal of Organic Chemistry, 1994, 59, 7944-7946.	1.7	40
10	Sequential Reductive Aminationâ€Hydrogenolysis: A Oneâ€Pot Synthesis of Challenging Chiral Primary Amines. Advanced Synthesis and Catalysis, 2011, 353, 2085-2092.	2.1	37
11	Evolution of Titanium(IV) Alkoxides and Raney Nickel for Asymmetric Reductive Amination of Prochiral Aliphatic Ketones. Organic Letters, 2005, 7, 4967-4970.	2.4	34
12	Chiral picolylamines for Michael and aldol reactions: probing substrate boundaries. Organic and Biomolecular Chemistry, 2012, 10, 9287.	1.5	33
13	Ytterbium Acetate Promoted Asymmetric Reductive Amination:â€‰ Significantly Enhanced Stereoselectivity. Journal of Organic Chemistry, 2008, 73, 1297-1305.	1.7	29
14	Regio- and stereo-chemical outcomes in the nucleophilic ring cleavage reactions of mono-epoxides derived from cis-1,2-dihydrocatechols. Journal of the Chemical Society Perkin Transactions 1, 1997, , 1779-1792.	0.9	27
15	Picolylamine as an organocatalyst template for highly diastereo- and enantioselective aqueous aldol reactions. Organic and Biomolecular Chemistry, 2010, 8, 4085.	1.5	24
16	Catalytic Access to Succinimide Products Containing Stereogenic Quaternary Carbons. ChemistrySelect, 2020, 5, 11934-11938.	0.7	24
17	An Efficient Enantiopure Synthesis of a Pivotal Precursor to Substance P Antagonists1. Organic Process Research and Development, 2006, 10, 142-148.	1.3	23
18	Supramolecular Catalysis of a Catalysis-Resistant Dielsâ€“Alder Reaction: Almost Theoretical Acceleration of Cyclopentadiene Dimerization inside Cucurbit[7]uril. ACS Catalysis, 2022, 12, 2261-2269.	5.5	21

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19	Rapid Improvement of a Reductive Sulfonylation Using Design of Experiment Methods. Organic Process Research and Development, 2003, 7, 313-317.	1.3	19
20	Step-Efficient Access to Chiral Primary Amines. Synthesis, 2013, 45, 153-166.	1.2	15
21	Beyond Chemoselectivity: Catalytic Siteâ€Selective Aldolization of Diketones and Exploitation for Enantioselective Alzheimer's Drug Candidate Synthesis. Chemistry - A European Journal, 2016, 22, 14342-14348.	1.7	12
22	Improved Practical Synthesis of a Prostaglandin and Carbocyclic Nucleoside Synthon. Synthetic Communications, 1992, 22, 151-157.	1.1	11
23	A One-Pot Asymmetric Sequential Amination-Alkylation of Aldehydes: Expedient Synthesis of Aliphatic Chiral Amines. European Journal of Organic Chemistry, 2007, 2007, 959-964.	1.2	11
24	Selective Synthesis of Unnatural Î±-, Î²- and Î³-Amino Esters. European Journal of Organic Chemistry, 2007, 2007, 3863-3869.	1.2	11
25	Carboxylate Salt Bridgeâ€Mediated Enamine Catalysis: Expanded Michael Reaction Substrate Scope and Facile Access to Antidepressant (R)â€Pristiq. Advanced Synthesis and Catalysis, 2017, 359, 2824-2831.	2.1	11
26	Chiral Amine Synthesisâ€”Strategies Examples Limitations. , 2007, , 137-156.		7
27	A Catalystâ€Directed Remote Stereogenic Center Switch During the Siteâ€Selective Aldol Desymmetrization of Cyclohexanoneâ€Based Diketones. Advanced Synthesis and Catalysis, 2016, 358, 3706-3713.	2.1	7
28	Harnessing Additional Capability from in Water Reaction Conditions: Aldol versus Knoevenagel Chemoselectivity. Advanced Synthesis and Catalysis, 2021, 363, 3539-3545.	2.1	3
29	An investigation of the observed, but counter-intuitive, stereoselectivity noted during chiral amine synthesis via N-chiral-ketimines. Beilstein Journal of Organic Chemistry, 2013, 9, 2103-2112.	1.3	1
30	Appendix: Solution. , 2010, , 461-478.		0