Lucia Battistini

List of Publications by Year
in descending order

75 papers	3,046 citations	136950 32 h-index	175258 52 g-index
105 all docs	105 docs citations	105 times ranked	2276 citing authors

#	Article	IF	Citations
1	The Vinylogous Aldol and Related Addition Reactions: Ten Years of Progress. Chemical Reviews, 2011, 111, 3076-3154.	47.7	487
2	The synthetic utility of furan-, pyrrole- and thiophene-based 2-silyloxy dienes. Chemical Society Reviews, 2000, 29, 109-118.	38.1	147
3	New Developments of the Principle of Vinylogy as Applied to Ï€-Extended Enolate-Type Donor Systems. Chemical Reviews, 2020, 120, 2448-2612.	47.7	122
4	Advances in Exploring Heterocyclic Dienoxysilane Nucleophiles in Asymmetric Synthesis. Synlett, 2009, 2009, 1525-1542.	1.8	118
5	Bifunctional Cinchona Alkaloid/Thiourea Catalyzes Direct and Enantioselective Vinylogous Michael Addition of 3â€Alkylidene Oxindoles to Nitroolefins. Angewandte Chemie - International Edition, 2012, 51, 6200-6204.	13.8	116
6	Exploring the Vinylogous Reactivity of Cyclohexenylidene Malononitriles: Switchable Regioselectivity in the Organocatalytic Asymmetric Addition to Enals Giving Highly Enantioenriched Carbabicyclic Structures. Journal of the American Chemical Society, 2014, 136, 11107-11114.	13.7	106
7	Expeditious Syntheses of Sugar-Modified Nucleosides and Collections Thereof Exploiting Furan-, Pyrrole-, and Thiophene-Based Siloxy Dienes. Journal of Medicinal Chemistry, 1997, 40, 168-180.	6.4	54
8	Direct and Enantioselective Vinylogous Michael Addition of Î±â€Alkylidenepyrazolinones to Nitroolefins Catalyzed by Dual Cinchona Alkaloid Thioureas. Advanced Synthesis and Catalysis, 2014, 356, 2330-2336.	4.3	52
9	Direct Regioâ€, Diastereoâ€, and Enantioselective Vinylogous Michael Addition of Prochiral 3â€Alkylideneoxindoles to Nitroolefins. Advanced Synthesis and Catalysis, 2013, 355, 1881-1886.	4.3	50
10	Grafting Aminocyclopentane Carboxylic Acids onto the RGD Tripeptide Sequence Generates Low Nanomolar Î±VÎ²3/Î±VÎ²5Integrin Dual Binders. Journal of Medicinal Chemistry, 2005, 48, 7675-7687.	6.4	49
11	Total synthesis of both enantiomers of trans-2,3-cis-3,4-dihydroxyproline. Tetrahedron: Asymmetry, 1996, 7, 1167-1180.	1.8	47
12	Parallel, Stereoselective Syntheses of both Enantiomers of Muricatacin and Their Sulfur and Nitrogen Relatives Using the Silyloxy Diene-Based Methodology. Journal of Organic Chemistry, 1997, 62, 4513-4517.	3.2	46
13	Discovery of Subnanomolar Arginine-Glycine-Aspartate-Based Î±_VÎ²₃/Î±_VÎ²₅ Integrin Binders Embedding 4-Aminoproline Residues. Journal of Medicinal Chemistry, 2008, 51, 1771-1782.	6.4	46
14	Total synthesis of both enentiomers of trans-Î²-hydroxyppecolic acid. Tetrahedron: Asymmetry, 1997, 8, 2975-2987.	1.8	44
15	anti-Selective, Catalytic Asymmetric Vinylogous Mukaiyama Mannich Reactions of Pyrrole-Based Silyl Dienolates withN-Aryl Aldimines. Journal of Organic Chemistry, 2011, 76, 2248-2252.	3.2	44
16	Variable Strategy toward Carbasugars and Relatives. 2.1Diversity-Based Synthesis of Î²-d-Xylo, Î²-d-Ribo, Î²-l-Arabino, and Î²-l-Lyxo 4a-Carbafuranoses and (4a-Carbafuranosyl)thiols. Journal of Organic Chemistry, 2001, 66, 8070-8075.	3.2	43
17	Asymmetric, catalytic, vinylogous aldol reactions using pyrrole-based dienoxy silanes. Enantioselective synthesis of Î±,Î²-unsaturated Î³-butyrolactam synthons. Tetrahedron Letters, 2009, 50, 3428-3431.	1.4	43
18	Variable Strategy toward Carbasugars and Relatives. 1. Stereocontrolled Synthesis of Pseudo-Î²-d-gulopyranose, Pseudo-Î²-d-xylofuranose, (Pseudo-Î²-d-gulopyranosyl)amine, and (Pseudo-Î²-d-xylofuranosyl)amine. Journal of Organic Chemistry, 2000, 65, 6307-6318.	3.2	42

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19	Design, Synthesis, and Biological Evaluation of Novel cRGDâ€“Paclitaxel Conjugates for Integrin-Assisted Drug Delivery. Bioconjugate Chemistry, 2012, 23, 1610-1622.	3.6	41
20	Uncatalyzed, Diastereoselective Vinylogous Mukaiyama Aldol Reactions on Aqueous Media: Pyrrole vs Furan 2-Silyloxy Dienes. Journal of Organic Chemistry, 2010, 75, 8681-8684.	3.2	40
21	Catalytic, Enantioselective Vinylogous Mukaiyama Aldol Reaction of Furanâ€Based Dienoxy Silanes: A Chemodivergent Approach to Î³â€Valerolactone Flavanâ€3â€ol Metabolites and Îâ€Lactone Analogues. Advanced Synthesis and Catalysis, 2015, 357, 4082-4092.	4.3	40
22	Diastereo- and Enantioselective Catalytic Vinylogous Mukaiyama-Mannich Reactions of Pyrrole-Based Silyl Dienolates with Alkyl-Substituted Aldehydes. Journal of Organic Chemistry, 2011, 76, 10291-10298.	3.2	39
23	Streamlined, Asymmetric Synthesis of 8,4â€˜-Oxyneolignans. Journal of Organic Chemistry, 2006, 71, 8552-8558.	3.2	37
24	3â€Alkenylâ€2â€silyloxyindoles: An Enabling, Yet Understated Progeny of Vinylogous Carbon Nucleophiles. European Journal of Organic Chemistry, 2012, 2012, 466-470.	2.4	37
25	Organocatalytic, Asymmetric Eliminative [4+2] Cycloaddition of Allylidene Malononitriles with Enals: Rapid Entry to Cyclohexadieneâ€Embedding Linear and Angular Polycycles. Angewandte Chemie - International Edition, 2015, 54, 7386-7390.	13.8	37
26	Catalytic, Asymmetric Vinylogous Mukaiyama Aldol Reactions of Pyrroleâ€and Furanâ€Based Dienoxy Silanes: How the Diene Heteroatom Impacts Stereocontrol. Advanced Synthesis and Catalysis, 2010, 352, 2011-2022.	4.3	36
27	Synthesis of Novel c(AmpRGD)â€“Sunitinib Dual Conjugates as Molecular Tools Targeting the Î±_vÎ²₃ Integrin/VEGFR2 Couple and Impairing Tumor-Associated Angiogenesis. Journal of Medicinal Chemistry, 2017, 60, 248-262.	6.4	36
28	RGD Peptideâ€Drug Conjugates as Effective Dual Targeting Platforms: Recent Advances. European Journal of Organic Chemistry, 2021, 2021, 2506-2528.	2.4	36
29	Variable Strategy toward Carbasugars and Relatives. 4.1Viable Access to (4a-Carbapentofuranosyl)amines, (5a-Carbahexopyranosyl)amines, and Amino Acids Thereof. Journal of Organic Chemistry, 2002, 67, 5338-5342.	3.2	35
30	Variable Strategy toward Carbasugars and Relatives. 5.1Focus on Preparation of Chiral Nonracemic Medium-Sized Carbocycles. Journal of Organic Chemistry, 2003, 68, 5881-5885.	3.2	35
31	Lewis Acid Assisted Vinylogous Mannich and Mukaiyama Aldol Reactions: A Route to Densely Hydroxylated Indolizidine Alkaloid Analogues. European Journal of Organic Chemistry, 1999, 1999, 1395-1400.	2.4	33
32	Vicarious Silylative Mukaiyama Aldol Reaction: A Vinylogous Extension. Journal of Organic Chemistry, 2008, 73, 5446-5451.	3.2	33
33	The Utility of Furan-, Pyrrole-, and Thiophene-Based 2-Silyloxy Dienes As Demonstrated by Modular Synthesis of Annonaceous Acetogenin Core Units and Their Pyrrolidine and Thiolane Analogues. Journal of Organic Chemistry, 2000, 65, 2048-2064.	3.2	32
34	3-Alkenyl-2-silyloxyindoles in Vinylogous Mannich Reactions: Synthesis of Aminated Indole-Based Scaffolds and Products. Organic Letters, 2014, 16, 932-935.	4.6	32
35	Enolizable Alkylidene Heterocyclic and Carbocyclic Carbonyl SystemsÂ: Valuable Vinylogous Donor Substrates in Synthesis. Synthesis, 2017, 49, 2297-2336.	2.3	32
36	Modular Approach toward the Construction of the Core Motifs of Annonaceous Acetogenins and Variants Thereof. Journal of Organic Chemistry, 1998, 63, 1368-1369.	3.2	31

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37	Catalytic, Asymmetric Hypervinylogous Mukaiyama Aldol Reactions of Extended Furan-Based Silyl Enolates. Organic Letters, 2011, 13, 4738-4741.	4.6	31
38	Diastereoselective synthesis of a novel lactam peptidomimetic exploiting vinylogous Mannich addition of 2-silyloxyfuran reagents. Tetrahedron: Asymmetry, 1999, 10, 765-773.	1.8	30
39	Enantioselective Total Synthesis of (1R,3S,4R,5R)-1-Amino-4,5-dihydroxycyclopentane-1,3-dicarboxylic Acid. A Full-Aldol Access to Carbaketose Derivatives. Journal of Organic Chemistry, 2004, 69, 2611-2613.	3.2	29
40	Aqueous and Solventâ€Free Uncatalyzed Threeâ€Component Vinylogous Mukaiyamaâ€“Mannich Reactions of Pyrroleâ€Based Silyl Dienolates. Advanced Synthesis and Catalysis, 2011, 353, 3278-3284.	4.3	28
41	Cell-targeted c(AmpRGD)-sunitinib molecular conjugates impair tumor growth of melanoma. Cancer Letters, 2019, 446, 25-37.	7.2	28
42	Direct-type vinylogous Mukaiyamaâ€“Michael addition reactions involving pyrrolinone donors. Tetrahedron, 2008, 64, 11697-11705.	1.9	25
43	Asymmetric total synthesis of 1-deoxy-7,8-di-epi-castanospermine. Organic and Biomolecular Chemistry, 2010, 8, 1725.	2.8	25
44	Enhancement of the Uptake and Cytotoxic Activity of Doxorubicin in Cancer Cells by Novel cRGD-Semipeptide-Anchoring Liposomes. Molecular Pharmaceutics, 2014, 11, 2280-2293.	4.6	25
45	Advances in Chemical Synthesis of Carbasugars and Analogues. Studies in Natural Products Chemistry, 2003, 29, 449-520.	1.8	24
46	Variable Strategy toward Carbasugars and Relatives. 6.1Diastereoselective Synthesis of 2-Deoxy-2-amino-5a-carba-Î²-l-mannopyranuronic Acid and 2-Deoxy-2-amino-5a-carba-Î²-l-mannopyranose. Journal of Organic Chemistry, 2004, 69, 1625-1628.	3.2	24
47	New Enantioselective Entry to Cycloheptane Amino Acid Polyols. Journal of Organic Chemistry, 2006, 71, 225-230.	3.2	24
48	Diastereoselective synthesis of Î±-C-arabinofuranosyl glycine. Tetrahedron: Asymmetry, 1995, 6, 371-374.	1.8	23
49	Diastereoselective synthesis of. Tetrahedron: Asymmetry, 1997, 8, 3237-3243.	1.8	23
50	Pushing the Boundaries of Vinylogous Reactivity: Catalytic Enantioselective Mukaiyama Aldol Reactions of Highly Unsaturated 2â€Silyloxyindoles. Chemistry - A European Journal, 2015, 21, 6433-6442.	3.3	23
51	Integrin-targeted AmpRGD sunitinib liposomes as integrated antiangiogenic tools. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 135-145.	3.3	21
52	Variable Strategy toward Carbasugars and Relatives As Illustrated by Diastereoselective Synthesis of 1-Deoxy-1-amino-pseudo-Î²-d-gulopyranose (Alias 1,2,4-Tri-epi-validamine). Organic Letters, 1999, 1, 1213-1215.	4.6	20
53	Synthesis of a Small Repertoire of Non-Racemic 5a-Carbahexopyranoses and 1-Thio-5a-carbahexopyranoses. European Journal of Organic Chemistry, 2002, 2002, 1956.	2.4	20
54	Advances in the Chemical Synthesis of Medium-Sized Cyclitols. Mini-Reviews in Organic Chemistry, 2004, 1, 343-357.	1.3	20

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55	Divergent synthesis of 3-amino-3-deoxy- and 4-amino-4-deoxyhexoses. Tetrahedron, 1996, 52, 4829-4838.	1.9	18
56	Further Uses of Pyrroleâ€Based Dienoxysilane Synthons: A Full Aldol Approach to Azabicyclo[x.2.1]alkane Systems. European Journal of Organic Chemistry, 2008, 2008, 2273-2287.	2.4	18
57	4-Aminoproline-based arginine-glycine-aspartate integrin binders with exposed ligation points: practical in-solution synthesis, conjugation and binding affinity evaluation. Organic and Biomolecular Chemistry, 2009, 7, 4924.	2.8	18
58	Synthesis, structure and inhibitory activity of a stereoisomer of oseltamivir carboxylate. Organic and Biomolecular Chemistry, 2014, 12, 1561.	2.8	18
59	Exploring the Remote Reactivity of Ï€-Extended Carbonyl Compounds: The Vinylogous Alkylidene Malononitrile Activation Strategy. Synlett, 2018, 29, 266-281.	1.8	18
60	Efficacy of a Selective Binder of Î±VÎ²3 Integrin Linked to the Tyrosine Kinase Inhibitor Sunitinib in Ovarian Carcinoma Preclinical Models. Cancers, 2019, 11, 531.	3.7	18
61	Onâ€Water Vinylogous Mukaiyamaâ€“Michael Addition of Heterocyclic 2â€Silyloxydienes to 1,2â€Diazaâ€1,3â€dienes: Oneâ€Pot Threeâ€Step Entry to Functionalityâ€Rich Pyrroles. Advanced Synthesis and Catalysis, 2011, 353, 1966-1972.	4.3	17
62	Î³-Substituted pyrrole-based silyl dienol ethers as Î±-amino acid enolate equivalents: a versatile entry to racemic Î±-substituted Î±-amino acids. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2471-2475.	0.9	14
63	A short entry to novel C(2)-methyl branched 4a-carbafuranoses. Tetrahedron: Asymmetry, 2003, 14, 1665-1670.	1.8	13
64	Diastereoselective Synthesis of 4,5â€˜-Bis-proline Compounds via Reductive Dimerization ofN-Acyloxyiminium Ions. Journal of Organic Chemistry, 2007, 72, 1814-1817.	3.2	13
65	(E)â€3â€(Alkoxycarbonylâ€2â€Alkyliden)â€2â€Oxindoles: Multidentate Pronucleophiles for the Organocatalytic, Vinylogous Michael Addition to Nitroolefins. Advanced Synthesis and Catalysis, 2018, 360, 711-721.	4.3	13
66	Unlocking Access to Enantiopure Fused Uracils by Chemodivergent [4+2] Crossâ€Cycloadditions: DFTâ€Supported Homoâ€Synergistic Organocatalytic Approach. Angewandte Chemie - International Edition, 2020, 59, 20055-20064.	13.8	12
67	Synthesis and preclinical evaluation of a novel, selective ¹¹¹In-labelled aminoproline-RGD-peptide for non-invasive melanoma tumor imaging. MedChemComm, 2015, 6, 2175-2183.	3.4	11
68	Asymmetric access to functional, structurally diverse molecules exploiting five-membered heterocyclic silyloxy dienes. Advances in Asymmetric Synthesis, 1999, , 113-189.	0.4	11
69	Direct, Asymmetric Synthesis of Carbocycleâ€Fused Uracils via [4+2] Cycloadditions: a Noncovalent Organocatalysis Approach. Advanced Synthesis and Catalysis, 2021, 363, 2625-2633.	4.3	8
70	Shifting Towards Î±_VÎ²₆ Integrin Ligands Using Novel Aminoprolineâ€Based Cyclic Peptidomimetics. Chemistry - A European Journal, 2020, 26, 13468-13475.	3.3	7
71	Nintedanib-Containing Dual Conjugates Targeting Î±_VÎ²₆ Integrin and Tyrosine Kinase Receptors as Potential Antifibrotic Agents. ACS Omega, 2022, 7, 17658-17669.	3.5	6
72	Unlocking Access to Enantiopure Fused Uracils by Chemodivergent [4+2] Crossâ€Cycloadditions: DFTâ€Supported Homoâ€Synergistic Organocatalytic Approach. Angewandte Chemie, 2020, 132, 20230-20239.	2.0	5

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73	Silylative N-hydroxyalkylation of amide compounds: application to the synthesis of acyclic alditol-based nucleoside analogues. Tetrahedron, 2004, 60, 2957-2964.	1.9	4
74	New 4-Aminoproline-Based Small Molecule Cyclopeptidomimetics as Potential Modulators of Î±4Î²1 Integrin. Molecules, 2021, 26, 6066.	3.8	3
75	Advances in the Chemical Synthesis of Medium-Sized Cyclitols. ChemInform, 2005, 36, no.	0.0	0