

# Leonardo Manzoni

## List of Publications by Year in descending order

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73  
papers

2,186  
citations

147786

31  
h-index

254170

43  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2478  
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Trichloroethoxycarbonyl-glucosamine derivatives as glycosyl donors. <i>Carbohydrate Research</i> , 1996, 296, 135-147.	2.3	153
2	Cyclic RGD Functionalized Gold Nanoparticles for Tumor Targeting. <i>Bioconjugate Chemistry</i> , 2011, 22, 664-672.	3.6	82
3	Biological and molecular properties of a new $\alpha_3\beta_5$ integrin antagonist. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1670-1680.	4.1	75
4	Novel SMAC-mimetics synergistically stimulate melanoma cell death in combination with TRAIL and Bortezomib. <i>British Journal of Cancer</i> , 2010, 102, 1707-1716.	6.4	70
5	Regulation of HuR structure and function by dihydrotanshinone-I. <i>Nucleic Acids Research</i> , 2017, 45, 9514-9527.	14.5	64
6	Targeting integrins: Insights into structure and activity of cyclic RGD pentapeptide mimics containing azabicycloalkane amino acids. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 169-180.	3.0	61
7	Cyclic RGD-Containing Peptidomimetics Containing Bifunctional Diketopiperazine Scaffolds as New Potent Integrin Ligands. <i>Chemistry - A European Journal</i> , 2009, 15, 12184-12188.	3.3	58
8	Synthesis of Gd and $^{68}\text{Ga}$ Complexes in Conjugation with a Conformationally Optimized RGD Sequence as Potential MRI and PET Tumor Imaging Probes. <i>ChemMedChem</i> , 2012, 7, 1084-1093.	3.2	53
9	Designing Smac-mimetics as antagonists of XIAP, cIAP1, and cIAP2. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 162-167.	2.1	50
10	Potent Integrin Antagonists from a Small Library of RGD-Including Cyclic Pseudopeptides. <i>Organic Letters</i> , 2001, 3, 1001-1004.	4.6	49
11	Conformationally constrained dipeptides: Synthesis of 7,5- and 6,5-fused bicyclic lactams by stereoselective radical cyclizations. <i>Tetrahedron Letters</i> , 1995, 36, 625-628.	1.4	46
12	Rapid synthesis of oligosaccharides using an anomeric fluorosilyl protecting group Electronic supplementary information (ESI) available: experimental data. See <a href="http://www.rsc.org/suppdata/cc/b3/b311448a/">http://www.rsc.org/suppdata/cc/b3/b311448a/</a> . <i>Chemical Communications</i> , 2003, , 2930.	4.1	45
13	Cyclic RGD-Containing Functionalized Azabicycloalkane Peptides as Potent Integrin Antagonists for Tumor Targeting. <i>ChemMedChem</i> , 2009, 4, 615-632.	3.2	44
14	Conformational Analysis of Azabicycloalkane Amino Acid Scaffolds as Reverse-Turn Inducer Dipeptide Mimics. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2563-2569.	2.4	43
15	Froc: A New Fluorous Protective Group for Peptide and Oligosaccharide Synthesis. <i>Organic Letters</i> , 2006, 8, 955-957.	4.6	42
16	Stereoselective Synthesis of Conformationally Constrained Cyclohexanediols: A Set of Molecular Scaffolds for the Synthesis of Glycomimetics. <i>Journal of Organic Chemistry</i> , 2001, 66, 6209-6216.	3.2	41
17	Design, Synthesis, and Biological Evaluation of Novel cRGD-Containing Paclitaxel Conjugates for Integrin-Assisted Drug Delivery. <i>Bioconjugate Chemistry</i> , 2012, 23, 1610-1622.	3.6	41
18	Synthesis of new bicyclic lactam peptidomimetics by ring-closing metathesis reactions. <i>Tetrahedron</i> , 2003, 59, 4501-4513.	1.9	40

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19	Targeting the X-Linked Inhibitor of Apoptosis Protein through 4-Substituted Azabicyclo[5.3.0]alkane Smac Mimetics. Structure, Activity, and Recognition Principles. <i>Journal of Molecular Biology</i> , 2008, 384, 673-689.	4.2	40
20	Structural Basis for Bivalent Smac-Mimetics Recognition in the IAP Protein Family. <i>Journal of Molecular Biology</i> , 2009, 392, 630-644.	4.2	40
21	Synthesis of N -acetylglucosamine containing Lewis A and Lewis X building blocks based on N -tetrachlorophthaloyl protection synthesis of Lewis X pentasaccharide. <i>Carbohydrate Research</i> , 1998, 310, 157-171.	2.3	39
22	Practical stereoselective synthesis of conformationally constrained unnatural proline-based amino acids and peptidomimetics. <i>Tetrahedron</i> , 2001, 57, 6463-6473.	1.9	39
23	Functionalized Azabicycloalkane Amino Acids by Nitrene 1,3-Dipolar Intramolecular Cycloaddition. <i>Journal of Organic Chemistry</i> , 2005, 70, 4124-4132.	3.2	39
24	A new optical imaging probe targeting $\alpha_3\beta_1$ integrin in glioblastoma xenografts. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 449-458.	0.8	39
25	Interfering with HuR-RNA Interaction: Design, Synthesis and Biological Characterization of Tanshinone Mimics as Novel, Effective HuR Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1483-1498.	6.4	39
26	MicroPET/CT imaging of $\alpha_3\beta_1$ integrin via a novel $^{68}\text{Ga}$ -NOTA-RGD peptidomimetic conjugate in rat myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1265-1274.	6.4	38
27	Rational design, synthesis and characterization of potent, non-peptidic Smac mimics/XIAP inhibitors as proapoptotic agents for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5834-5856.	3.0	36
28	Synthesis of the Lewis a Trisaccharide Based on an Anomeric Silyl Fluorous Tag. <i>Organic Letters</i> , 2004, 6, 4195-4198.	4.6	35
29	Synthesis of 7,5-fused bicyclic lactams by stereoselective radical cyclization. <i>Tetrahedron Letters</i> , 1994, 35, 4031-4034.	1.4	34
30	A Practical Way to 2,5-Disubstituted Pyrrolidine Derivatives. <i>Synlett</i> , 1996, 1996, 441-443.	1.8	34
31	The first asymmetric synthesis of enantiopure .alpha.-sulfenyl dithioacetals and .alpha.-sulfenyl aldehydes. <i>Journal of Organic Chemistry</i> , 1993, 58, 3165-3168.	3.2	33
32	Integrin-Targeted Peptide- and Peptidomimetic-Drug Conjugates for the Treatment of Tumors. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2017, 12, 148-168.	1.6	33
33	Mimics of ganglioside GM1 as cholera toxin ligands: replacement of the GalNAc residue Electronic supplementary information (ESI) available: synthetic details, product characterisations and full NOE contact list. See <a href="http://www.rsc.org/suppdata/ob/b2/b210503a/">http://www.rsc.org/suppdata/ob/b2/b210503a/</a> . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 785-792.	2.8	31
34	Novel second mitochondria-derived activator of caspases (Smac) mimetic compounds sensitize human leukemic cell lines to conventional chemotherapeutic drug-induced and death receptor-mediated apoptosis. <i>Investigational New Drugs</i> , 2011, 29, 1264-1275.	2.6	31
35	Dimeric Smac mimetics/IAP inhibitors as in vivo-active pro-apoptotic agents. Part II: Structural and biological characterization. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6709-6723.	3.0	29
36	Synthesis of Lewis a and Lewis X Pentasaccharides Based on N-Trichloroethoxycarbonyl Protection. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 739-758.	1.1	28

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37	Synthesis of Azabicycloalkane Amino Acid Scaffolds as Reverse-Turn Inducer Dipeptide Mimics. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2571-2581.	2.4	27
38	A Potent Integrin Antagonist from a Small Library of Cyclic RGD Pentapeptide Mimics Including Benzyl-Substituted Azabicycloalkane Amino Acids. <i>ChemMedChem</i> , 2008, 3, 1589-1603.	3.2	27
39	Diastereoselective addition of metal-coordinated and "naked" tri-sec-butylborohydrides to a norephedrine-derived 2-acetyloxazolidine. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1027-1029.	2.0	26
40	Functionalized Cyclic RGD Peptidomimetics: Conjugable ligands for $\alpha_3\beta_1$ Receptor Imaging. <i>Bioconjugate Chemistry</i> , 2009, 20, 1611-1617.	3.6	26
41	The first example of ring-closing olefin metathesis of dehydroamino acids: an application to the synthesis of azabicyclo[X.Y.O]alkanes. <i>Tetrahedron Letters</i> , 2004, 45, 2623-2625.	1.4	25
42	Enhancement of the Uptake and Cytotoxic Activity of Doxorubicin in Cancer Cells by Novel cRGD-Semipeptide-Anchoring Liposomes. <i>Molecular Pharmaceutics</i> , 2014, 11, 2280-2293.	4.6	25
43	Synthesis of substituted conformationally constrained 6,5- and 7,5-fused bicyclic lactams as dipeptide mimics. <i>Tetrahedron</i> , 2003, 59, 6241-6250.	1.9	22
44	Design, synthesis and biological evaluation of novel dimeric and tetrameric cRGD-paclitaxel conjugates for integrin-assisted drug delivery. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7530-7541.	2.8	22
45	Click chemistry to functionalise peptidomimetics. <i>Tetrahedron Letters</i> , 2006, 47, 3697-3700.	1.4	20
46	Homo- and heterodimeric Smac mimetics/IAP inhibitors as in vivo-active pro-apoptotic agents. Part I: Synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6687-6708.	3.0	20
47	Synthesis of spiroazabicycloalkane amino acid scaffolds as reverse-turn inducer dipeptide mimics. <i>Tetrahedron</i> , 2001, 57, 249-255.	1.9	19
48	Synthesis and biological evaluation of dual action $\alpha_3\beta_1/\alpha_5\beta_1$ integrins and IAP proteins. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3288-3302.	2.8	19
49	Cyclic RGD Peptides Containing Azabicycloalkane Reverse-Turn Mimics. <i>Helvetica Chimica Acta</i> , 2002, 85, 4353-4368.	1.6	18
50	Synthesis of some oligopyridine-galactose conjugates and their metal complexes: a simple entry to multivalent sugar ligands. <i>Tetrahedron</i> , 2005, 61, 10048-10060.	1.9	18
51	4-Aminoproline-based arginine-glycine-aspartate integrin binders with exposed ligation points: practical in-solution synthesis, conjugation and binding affinity evaluation. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4924.	2.8	18
52	Investigating the Interaction of Cyclic RGD Peptidomimetics with $\alpha_6\beta_1$ Integrin by Biochemical and Molecular Docking Studies. <i>Cancers</i> , 2017, 9, 128.	3.7	18
53	Solid-Phase Synthesis of Peptides Containing Reverse-Turn Mimetic Bicyclic Lactams. , 1999, 1999, 379-388.		17
54	Computational design of novel peptidomimetic inhibitors of cadherin homophilic interactions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2570-2573.	2.8	16

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55	Iron Oxide-Gold Core-Shell Nanoparticles as Multimodal Imaging Contrast Agent. <i>IEEE Sensors Journal</i> , 2013, 13, 2341-2347.	4.7	15
56	Stereoselective synthesis of 6,5-bicyclic reverse-turn peptidomimetics. <i>Tetrahedron</i> , 1998, 54, 5325-5336.	1.9	14
57	Diastereoselective addition of metal-coordinated and "naked" nucleophilic reagents to norephedrine derived 2-acyl-N-tosyl-oxazolidines. <i>Tetrahedron</i> , 1997, 53, 1759-1776.	1.9	12
58	Synthesis of a Pseudo Tetrasaccharide Mimic of Ganglioside GM1. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1311-1317.	2.4	12
59	Diastereoselective Addition of Organometallic Reagents to Nor-Ephedrine-Derived 2-Acyl-N-Tosyl-Oxazolidines. <i>Synlett</i> , 1995, 1995, 71-73.	1.8	11
60	Nonpeptide Integrin Antagonists: RGD Mimetics Incorporating Substituted Azabicycloalkanes as Amino Acid Replacements. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1309-1317.	2.4	10
61	Stereoselective synthesis of C $\pm$ -tetrasubstituted azabicyclo[X.3.0]alkane amino acids. <i>Tetrahedron Letters</i> , 2004, 45, 6311-6315.	1.4	7
62	Dual action Smac mimetics zinc chelators as pro-apoptotic antitumoral agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4613-4619.	2.2	6
63	Synthesis of Functionalized Azabicycloalkane Amino Acids as Dipeptide Mimics. <i>Synthesis</i> , 2006, 2006, 1133-1140.	2.3	5
64	Design, Synthesis, Conformational Analysis and Application of Azabicycloalkane Amino Acids as Constrained Dipeptide Mimics. <i>Synlett</i> , 2004, 2004, 1449-1471.	1.8	4
65	New potent $\hat{1}\pm$ integrin ligands based on azabicycloalkane ( $\hat{1}^3, \hat{1}\pm$ )-dipeptide mimics. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3221-3233.	2.8	4
66	4-Connected azabicyclo[5.3.0]decane Smac mimetics-Zn 2+ chelators as dual action antitumoral agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2336-2344.	2.2	4
67	Asymmetric Synthesis of Enantiopure $\hat{1}\pm$ -Sulfenyl Dithioacetals and $\hat{1}\pm$ -Sulfenyl Aldehydes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993, 74, 381-382.	1.6	3
68	Synthesis of Conformationally Restricted and Optically Pure Analogues of Serine-Proline Dipeptide via Aldol Condensation. <i>Synthesis</i> , 2004, 2004, 353-358.	2.3	1
69	Molecular Targeting of Imaging and Drug Delivery Probes in Atherosclerosis. <i>Annual Reports in Medicinal Chemistry</i> , 2013, 48, 105-118.	0.9	1
70	Stereoselective Synthesis of a Functionalized 2-Oxo-1-azabicyclo[5.3.0]alkane as a Potential Scaffold for Targeted Chemotherapy Strategies. <i>Synthesis</i> , 2003, 2003, 2363-2367.	2.3	0
71	The First Example of Ring-Closing Olefin Metathesis of Dehydroamino Acids: An Application to the Synthesis of Azabicyclo[X.Y.0]alkanes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
72	Characterization of iron oxide-gold core-shell multifunctional nanoparticles in biomedical imaging. , 2011, , .		0

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73	Bisphosphonate-functionalized cyclic Arg-Gly-Asp peptidomimetics. <i>Arkivoc</i> , 2013, 2013, 185-200.	0.5	0