

# Antonella Leggio

## List of Publications by Year in descending order

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84  
papers

1,870  
citations

218677

26  
h-index

330143

37  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Lipid- Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2386.	4.1	10
2	Dual-Targeted Hyaluronic Acid/Albumin Micelle-Like Nanoparticles for the Vectorization of Doxorubicin. <i>Pharmaceutics</i> , 2021, 13, 304.	4.5	28
3	Alginate Bioconjugate and Graphene Oxide in Multifunctional Hydrogels for Versatile Biomedical Applications. <i>Molecules</i> , 2021, 26, 1355.	3.8	14
4	Leptin-Activity Modulators and Their Potential Pharmaceutical Applications. <i>Biomolecules</i> , 2021, 11, 1045.	4.0	12
5	Self-assembling Dextran prodrug for redox- and pH-responsive co-delivery of therapeutics in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110537.	5.0	26
6	Bortezomib-Loaded Mesoporous Silica Nanoparticles Selectively Alter Metabolism and Induce Death in Multiple Myeloma Cells. <i>Cancers</i> , 2020, 12, 2709.	3.7	15
7	Solid-Phase Synthesis and In-Silico Analysis of Iron-Binding Catecholato Chelators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7498.	4.1	0
8	Formulation of New Baking (+)-Catechin Based Leavening Agents: Effects on Rheology, Sensory and Antioxidant Features during Muffin Preparation. <i>Foods</i> , 2020, 9, 1569.	4.3	16
9	Leptin and Notch Signaling Cooperate in Sustaining Glioblastoma Multiforme Progression. <i>Biomolecules</i> , 2020, 10, 886.	4.0	14
10	Leptin Signaling Contributes to Aromatase Inhibitor Resistant Breast Cancer Cell Growth and Activation of Macrophages. <i>Biomolecules</i> , 2020, 10, 543.	4.0	28
11	Mesoporous silica-based hybrid materials for bone-specific drug delivery. <i>Nanoscale Advances</i> , 2019, 1, 3269-3278.	4.6	19
12	Leptin Modulates Exosome Biogenesis in Breast Cancer Cells: An Additional Mechanism in Cell-to-Cell Communication. <i>Journal of Clinical Medicine</i> , 2019, 8, 1027.	2.4	45
13	A titanium tetrachloride-based effective methodology for the synthesis of dipeptides. <i>RSC Advances</i> , 2019, 9, 22137-22142.	3.6	2
14	Combining antioxidant hydrogels with self-assembled microparticles for multifunctional wound dressings. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4361-4370.	5.8	16
15	Chitosan- Quercetin Bioconjugate as Multi-Functional Component of Antioxidants and Dual-Responsive Hydrogel Networks. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800728.	3.6	20
16	Engineered Stimuli-Responsive Nanoparticles for the Interaction With Biological Structures. , 2019, , 399-412.		0
17	Leptin Receptor as a Potential Target to Inhibit Human Testicular Seminoma Growth. <i>American Journal of Pathology</i> , 2019, 189, 687-698.	3.8	13
18	Dealing with Skin and Blood-Brain Barriers: The Unconventional Challenges of Mesoporous Silica Nanoparticles. <i>Pharmaceutics</i> , 2018, 10, 250.	4.5	35

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19	Alternative formation of amides and $\alpha$ -enaminones from acyl chlorides using the TiCl <sub>4</sub> -trialkylamine reagent system. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5677-5683.	2.8	9
20	Titanium Tetrachloride-mediated Synthesis of Diarylmethanes through the Reaction of Benzyl Alcohol Derivatives with Aromatic Substrates. <i>Current Organic Chemistry</i> , 2018, 22, 2117-2123.	1.6	1
21	One-pot conversion of aldehydes to nitriles mediated by TiCl <sub>4</sub> . <i>Tetrahedron Letters</i> , 2017, 58, 1512-1514.	1.4	30
22	Formation of amides: one-pot condensation of carboxylic acids and amines mediated by TiCl <sub>4</sub> . <i>Chemistry Central Journal</i> , 2017, 11, 87.	2.6	35
23	Aromatherapy: composition of the gaseous phase at equilibrium with liquid bergamot essential oil. <i>Chemistry Central Journal</i> , 2017, 11, 111.	2.6	11
24	N-Methylated $\alpha$ -Amino Acids And Peptides: Synthesis And Biological Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 683-690.	2.4	56
25	One-pot synthesis of amides from carboxylic acids activated using thionyl chloride. <i>RSC Advances</i> , 2016, 6, 34468-34475.	3.6	64
26	Leptin as a mediator of tumor-stromal interactions promotes breast cancer stem cell activity. <i>Oncotarget</i> , 2016, 7, 1262-1275.	1.8	74
27	Mesoporous Silica Nanoparticles in Cancer Therapy: Relevance of the Targeting Function. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 743-753.	2.4	33
28	A novel leptin antagonist peptide inhibits breast cancer growth <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1122-1132.	3.6	53
29	Lewis acid catalysed methylation of <i>N</i> -(9-fluorenyl)methanesulfonyl (Fms) protected lipophilic $\alpha$ -amino acid methyl esters. <i>Journal of Peptide Science</i> , 2015, 21, 644-650.	1.4	7
30	A unified strategy for the synthesis of three conical marine natural products. <i>Tetrahedron</i> , 2015, 71, 3253-3262.	1.9	29
31	Reduction of amide carbonyl group and formation of modified amino acids and dipeptides. <i>Tetrahedron Letters</i> , 2015, 56, 2062-2066.	1.4	13
32	N-Urethane protection of amines and amino acids in an ionic liquid. <i>RSC Advances</i> , 2015, 5, 63407-63420.	3.6	17
33	A simple synthesis of anilines by LiAlH <sub>4</sub> /TiCl <sub>4</sub> reduction of aromatic nitro compounds. <i>Tetrahedron Letters</i> , 2015, 56, 5341-5344.	1.4	18
34	Silver acetate-assisted formation of amides from acyl chlorides. <i>Tetrahedron Letters</i> , 2015, 56, 199-202.	1.4	11
35	GC/MS Analysis of Fatty Acids in Italian Dry Fermented Sausages. <i>The Open Food Science Journal</i> , 2015, 9, 5-13.	1.0	10
36	Therapeutic potential of leptin receptor modulators. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 97-105.	5.5	17

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37	Stereoselective Synthesis of Dithia[3.3]cyclophane <i>S</i> , <i>S</i> <sup>2</sup> -Dioxides with Planar and Central Chirality. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2099-2104.	2.4	18
38	Synthesis of <i>d</i> -erythro-Sphinganine through Serine-Derived $\pm$ -Amino Epoxides. <i>Journal of Organic Chemistry</i> , 2014, 79, 5320-5326.	3.2	32
39	Deprotection/reprotection of the amino group in $\pm$ -amino acids and peptides. A one-pot procedure in [Bmim][BF <sub>4</sub> ] ionic liquid. <i>RSC Advances</i> , 2014, 4, 2678-2686.	3.6	28
40	Intramolecular Displacement of Phenylselenone by a Hydroxy Group: Stereoselective Synthesis of 2-Substituted Tetrahydrofurans. <i>Organic Letters</i> , 2013, 15, 3906-3909.	4.6	23
41	Quantitative determination of fatty acid chain composition in pork meat products by high resolution 1H NMR spectroscopy. <i>Food Chemistry</i> , 2013, 136, 546-554.	8.2	86
42	The dimethylsulfoxonium methylide as unique reagent for the simultaneous deprotection of amino and carboxyl function of N-Fmoc- $\pm$ -amino acid and N-Fmoc-peptide esters. <i>Tetrahedron</i> , 2013, 69, 2010-2016.	1.9	7
43	C $\alpha$ ' N and N $\alpha$ ' C solution phase peptide synthesis using the N-acyl 4-nitrobenzenesulfonamide as protection of the carboxylic function. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3786.	2.8	7
44	Synthesis of enantiopure sugar-decorated six-armed triptycene derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2410-2416.	2.2	6
45	Simultaneous extraction and derivatization of amino acids and free fatty acids in meat products. <i>Journal of Chromatography A</i> , 2012, 1241, 96-102.	3.7	32
46	Dry Fermented Sausages of Southern Italy: A Comparison of Free Amino Acids and Biogenic Amines between Industrial and Homemade Products. <i>Journal of Food Science</i> , 2012, 77, S170-5.	3.1	10
47	Unusual Reactivity of Dimethylsulfoxonium Methylide with Esters. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 114-118.	2.4	14
48	Transformations of 3 $\alpha$ -Hydroxy Steroids with Lewis and Anhydrous Protic Acids: The Case of Pregnane-4 $\alpha$ -en-3 $\beta$ ,17 $\pm$ ,20 $\pm$ -triol. <i>Chemical Biology and Drug Design</i> , 2011, 78, 269-276.	3.2	4
49	A preparation of N-Fmoc-N-methyl- $\pm$ -amino acids and N-nosyl-N-methyl- $\pm$ -amino acids. <i>Amino Acids</i> , 2010, 38, 133-143.	2.7	28
50	A new non-natural arginine-like amino acid derivative with a sulfamoyl group in the side-chain. <i>Amino Acids</i> , 2010, 38, 691-700.	2.7	25
51	An Efficient Preparation of <i>N</i> -Methyl- $\pm$ -amino Acids from <i>N</i> -Nosyl- $\pm$ -amino Acid Phenacyl Esters. <i>Journal of Organic Chemistry</i> , 2010, 75, 1386-1392.	3.2	15
52	Site-Selective Methylation of <i>N</i> -Nosyl- $\pm$ -Nosyl Hydrazides of <i>N</i> -Nosyl Protected $\pm$ -Amino Acids. <i>Journal of Organic Chemistry</i> , 2010, 75, 3381-3386.	3.2	6
53	Deprotection of <i>N</i> -Nosyl- $\pm$ -amino Acids by Using Solid-Supported Mercaptoacetic Acid. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3795-3800.	2.4	13
54	Methylation of $\pm$ -Amino Acids and Derivatives Using Trimethylsilyldiazomethane. <i>Chemical Biology and Drug Design</i> , 2009, 73, 287-291.	3.2	8

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55	Extraction of Quinolizidine Alkaloids in Non Aqueous Basic Conditions: The Case of <i>Spartium junceum</i> Flowers. <i>Chromatographia</i> , 2008, 68, 345-349.	1.3	4
56	Comparison of the Volatile Constituents in Cold-Pressed Bergamot Oil and a Volatile Oil Isolated by Vacuum Distillation. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7847-7851.	5.2	40
57	N-Methyl-N-nosyl- $\beta$ -amino Acids. <i>Journal of Organic Chemistry</i> , 2007, 72, 4798-4802.	3.2	28
58	Solid-Phase Synthesis of N-Nosyl- and N-Fmoc-N-Methyl- $\beta$ -amino Acids. <i>Journal of Organic Chemistry</i> , 2007, 72, 3723-3728.	3.2	23
59	N-Nosyl- $\beta$ -amino acids in solution phase peptide synthesis. <i>Tetrahedron</i> , 2007, 63, 8164-8173.	1.9	23
60	Steroidal seven-membered A-ring epoxy lactones by oxidation of the corresponding $\Delta^4$ -3-ketosteroids. <i>Steroids</i> , 2006, 71, 116-119.	1.8	3
61	Highly specific N-monomethylation of primary aromatic amines. <i>Tetrahedron</i> , 2006, 62, 6100-6106.	1.9	33
62	Occurrence of Organic Compounds in the Thermal Sulfurous Waters of Calabria, Italy. <i>Chromatographia</i> , 2006, 63, 585-590.	1.3	10
63	Reduction of N-Methoxy-N-Methylamides to the Corresponding Amines with $\text{AlCl}_3/\text{LiAlH}_4$ . <i>Letters in Organic Chemistry</i> , 2006, 3, 468-469.	0.5	2
64	Determination by gas chromatography/mass spectrometry of p-phenylenediamine in hair dyes after conversion to an imine derivative. <i>Journal of Chromatography A</i> , 2005, 1066, 143-148.	3.7	58
65	N-Methylation of Peptides on Selected Positions during the Elongation of the Peptide Chain in Solution Phase. <i>Journal of Organic Chemistry</i> , 2005, 70, 3892-3897.	3.2	29
66	Optically Pure N-Hydroxy-O-triisopropylsilyl- $\beta$ -l-amino Acid Methyl Esters from $\text{AlCl}_3$ -Assisted Ring Opening of Chiral Oxaziridines by Nitrogen Containing Nucleophiles. <i>Journal of Organic Chemistry</i> , 2005, 70, 10494-10501.	3.2	20
67	Synthesis of Chiral Nitrones from N-Fmoc Amino Acids and N-Fmoc Dipeptides. <i>Synthetic Communications</i> , 2004, 34, 3325-3334.	2.1	2
68	Highly Stereoselective Conversion of Aryl Peptidyl Ketones into the Corresponding Peptide Alcohols. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 463-467.	2.4	8
69	Alternative and Chemoselective Deprotection of the $\beta$ -Amino and Carboxy Functions of N-Fmoc-Amino Acid and N-Fmoc-Dipeptide Methyl Esters by Modulation of the Molar Ratio in the $\text{AlCl}_3/\text{N,N}$ -Dimethylaniline Reagent System. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4437-4441.	2.4	20
70	Quantitative analysis of human salivary glucose by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 801, 355-358.	2.3	19
71	The Food Contaminants Bisphenol A and 4-Nonylphenol Act as Agonists for Estrogen Receptor $\beta$ in MCF7 Breast Cancer Cells. <i>Endocrine</i> , 2003, 22, 275-284.	2.2	95
72	One-Pot Methylation of N-Nosyl- $\beta$ -amino Acid Methyl Esters with Diazomethane and Their Coupling To Prepare N-Methyl Dipeptides. <i>Journal of Organic Chemistry</i> , 2003, 68, 7416-7421.	3.2	50

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73	A straightforward chemical synthesis of 17-ketosteroids by cleavage of the C-17-dihydroxy acetone side chain in corticosteroids. <i>Steroids</i> , 2003, 68, 139-142.	1.8	11
74	Highly Stereoselective Synthesis of Optically Pure C-Aryl Imines from $\hat{L}$ -l-Amino Acid Methyl Esters. <i>Synthetic Communications</i> , 2003, 33, 4331-4338.	2.1	7
75	Facile Approach to Enantiomerically Pure $\hat{L}$ -Amino Ketones by Friedel-Crafts Aminoacylation and Their Conversion into Peptidyl Ketones. <i>Journal of Organic Chemistry</i> , 2001, 66, 7002-7007.	3.2	30
76	Site Selectivity in the Synthesis of O-Methylated Hydroxamic Acids with Diazomethane. <i>Journal of Organic Chemistry</i> , 2001, 66, 2246-2250.	3.2	25
77	A facile approach to steroidal 20-hydroxy-17(20)-en-21-aldehydes: important intermediates in the biological 17-dehydroxylation of C-17 dihydroxyacetone steroids. <i>Tetrahedron Letters</i> , 2001, 42, 7413-7415.	1.4	8
78	New Strategies for an Efficient Removal of the 9-Fluorenylmethoxycarbonyl (Fmoc) Protecting Group in the Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 573-575.	2.4	21
79	Synthesis of Isoxazolidino Analogues of 2',3'-Dideoxynucleosides. <i>Nucleosides &amp; Nucleotides</i> , 1999, 18, 581-583.	0.5	9
80	Model studies towards the synthesis of 4'-azaerythrofuransyladenines as analogues of the antiviral drug 2',3'-dideoxyadenosine (ddA). <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 3097-3100.	0.9	22
81	Convenient and stereospecific homologation of N-fluorenylmethoxycarbonyl- $\hat{L}$ -amino acids to their $\hat{L}$ -homologues. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 1969-1972.	0.9	32
82	A Novel Class of 4'-Aza Analogues of 2',3'-Dideoxynucleosides as Potential Anti-HIV Drugs. <i>Nucleosides &amp; Nucleotides</i> , 1997, 16, 1515-1518.	0.5	18
83	Synthesis of 4'-aza analogues of 2',3'-dideoxythymidine by 1,3-dipolar cycloadditions of nitrones to 1-N-vinyl-thymine. <i>Tetrahedron Letters</i> , 1996, 37, 1277-1280.	1.4	46
84	Synthesis of Two 6-N-Protected 9-N-Vinyladenines as Dipolarophiles in the Synthesis of Modified Nucleosides. <i>Synthetic Communications</i> , 1996, 26, 4211-4217.	2.1	11