Antonella Leggio

List of Publications by Year
in descending order

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84	1,870	218677	330143
papers	citations	26 h-index	37 g-index

102	102	102	2205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Food Contaminants Bisphenol A and 4-Nonylphenol Act as Agonists for Estrogen Receptor Î± in MCF7 Breast Cancer Cells. Endocrine, 2003, 22, 275-284.	2.2	95
2	Quantitative determination of fatty acid chain composition in pork meat products by high resolution 1H NMR spectroscopy. Food Chemistry, 2013, 136, 546-554.	8.2	86
3	Leptin as a mediator of tumor-stromal interactions promotes breast cancer stem cell activity. Oncotarget, 2016, 7, 1262-1275.	1.8	74
4	One-pot synthesis of amides from carboxylic acids activated using thionyl chloride. RSC Advances, 2016, 6, 34468-34475.	3.6	64
5	Determination by gas chromatography/mass spectrometry of p-phenylenediamine in hair dyes after conversion to an imine derivative. Journal of Chromatography A, 2005, 1066, 143-148.	3.7	58
6	N-Methylated Î±-Amino Acids And Peptides: Synthesis And Biological Activity. Mini-Reviews in Medicinal Chemistry, 2016, 16, 683-690.	2.4	56
7	A novel leptin antagonist peptide inhibits breast cancer growth in vitro and in vivo. Journal of Cellular and Molecular Medicine, 2015, 19, 1122-1132.	3.6	53
8	â€œOne-Potâ€•Methylation ofN-Nosyl-Î±-amino Acid Methyl Esters with Diazomethane and Their Coupling To PrepareN-Methyl Dipeptides. Journal of Organic Chemistry, 2003, 68, 7416-7421.	3.2	50
9	Synthesis of 4â€²-aza analogues of 2â€²,3â€²-dideoxythymidine by 1,3-dipolar cycloadditions of nitrones to 1-N-vinyl-thymine. Tetrahedron Letters, 1996, 37, 1277-1280.	1.4	46
10	Leptin Modulates Exosome Biogenesis in Breast Cancer Cells: An Additional Mechanism in Cell-to-Cell Communication. Journal of Clinical Medicine, 2019, 8, 1027.	2.4	45
11	Comparison of the Volatile Constituents in Cold-Pressed Bergamot Oil and a Volatile Oil Isolated by Vacuum Distillation. Journal of Agricultural and Food Chemistry, 2007, 55, 7847-7851.	5.2	40
12	Formation of amides: one-pot condensation of carboxylic acids and amines mediated by TiCl4. Chemistry Central Journal, 2017, 11, 87.	2.6	35
13	Dealing with Skin and Blood-Brain Barriers: The Unconventional Challenges of Mesoporous Silica Nanoparticles. Pharmaceutics, 2018, 10, 250.	4.5	35
14	Highly specific N-monomethylation of primary aromatic amines. Tetrahedron, 2006, 62, 6100-6106.	1.9	33
15	Mesoporous Silica Nanoparticles in Cancer Therapy: Relevance of the Targeting Function. Mini-Reviews in Medicinal Chemistry, 2016, 16, 743-753.	2.4	33
16	Convenient and stereospecific homologation of N-fluorenylmethoxycarbonyl-Î±-amino acids to their Î²-homologues. Journal of the Chemical Society Perkin Transactions 1, 1997, , 1969-1972.	0.9	32
17	Simultaneous extraction and derivatization of amino acids and free fatty acids in meat products. Journal of Chromatography A, 2012, 1241, 96-102.	3.7	32
18	Synthesis of <scp>d</scp>-erythro-Sphinganine through Serine-Derived Î±-Amino Epoxides. Journal of Organic Chemistry, 2014, 79, 5320-5326.	3.2	32

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19	Facile Approach to Enantiomerically Pure Î±-Amino Ketones by Friedelâ^'Crafts Aminoacylation and Their Conversion into Peptidyl Ketones. Journal of Organic Chemistry, 2001, 66, 7002-7007.	3.2	30
20	One-pot conversion of aldehydes to nitriles mediated by TiCl 4. Tetrahedron Letters, 2017, 58, 1512-1514.	1.4	30
21	N-Methylation of Peptides on Selected Positions during the Elongation of the Peptide Chain in Solution Phase. Journal of Organic Chemistry, 2005, 70, 3892-3897.	3.2	29
22	A unified strategy for the synthesis of three conicol marine natural products. Tetrahedron, 2015, 71, 3253-3262.	1.9	29
23	N-Methyl-N-nosyl-Î²3-amino Acids. Journal of Organic Chemistry, 2007, 72, 4798-4802.	3.2	28
24	A preparation of N-Fmoc-N-methyl-Î±-amino acids and N-nosyl-N-methyl-Î±-amino acids. Amino Acids, 2010, 38, 133-143.	2.7	28
25	Deprotection/reprotection of the amino group in Î±-amino acids and peptides. A one-pot procedure in [Bmim][BF4] ionic liquid. RSC Advances, 2014, 4, 2678-2686.	3.6	28
26	Leptin Signaling Contributes to Aromatase Inhibitor Resistant Breast Cancer Cell Growth and Activation of Macrophages. Biomolecules, 2020, 10, 543.	4.0	28
27	Dual-Targeted Hyaluronic Acid/Albumin Micelle-Like Nanoparticles for the Vectorization of Doxorubicin. Pharmaceutics, 2021, 13, 304.	4.5	28
28	Self-assembling Dextran prodrug for redox- and pH-responsive co-delivery of therapeutics in cancer cells. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110537.	5.0	26
29	Site Selectivity in the Synthesis ofO-Methylated Hydroxamic Acids with Diazomethane. Journal of Organic Chemistry, 2001, 66, 2246-2250.	3.2	25
30	A new non-natural arginine-like amino acid derivative with a sulfamoyl group in the side-chain. Amino Acids, 2010, 38, 691-700.	2.7	25
31	Solid-Phase Synthesis ofN-Nosyl- andN-Fmoc-N-Methyl-Î±-amino Acids. Journal of Organic Chemistry, 2007, 72, 3723-3728.	3.2	23
32	N-Nosyl-Î±-amino acids in solution phase peptide synthesis. Tetrahedron, 2007, 63, 8164-8173.	1.9	23
33	Intramolecular Displacement of Phenylselenone by a Hydroxy Group: Stereoselective Synthesis of 2-Substituted Tetrahydrofurans. Organic Letters, 2013, 15, 3906-3909.	4.6	23
34	Model studies towards the synthesis of 4â€²-azaerythrofuranosyladenines as analogues of the antiviral drug 2â€²,3â€²-dideoxyadenosine (ddA)â€Š1. Journal of the Chemical Society Perkin Transactions 1, 1997, , 3097-3100.	0.9	22
35	New Strategies for an Efficient Removal of the 9-Fluorenylmethoxycarbonyl (Fmoc) Protecting Group in the Peptide Synthesis. European Journal of Organic Chemistry, 2000, 2000, 573-575.	2.4	21
36	Alternative and Chemoselective Deprotection of the ?-Amino and Carboxy Functions ofN-Fmoc-Amino Acid andN-Fmoc-Dipeptide Methyl Esters by Modulation of the Molar Ratio in the AlCl3/N,N-Dimethylaniline Reagent System. European Journal of Organic Chemistry, 2004, 2004, 4437-4441.	2.4	20

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37	Optically PureN-Hydroxy-O-triisopropylsilyl-Î±-l-amino Acid Methyl Esters from AlCl3-Assisted Ring Opening of Chiral Oxaziridines by Nitrogen Containing Nucleophiles. Journal of Organic Chemistry, 2005, 70, 10494-10501.	3.2	20
38	Chitosanâ€“Quercetin Bioconjugate as Multiâ€Functional Component of Antioxidants and Dualâ€Responsive Hydrogel Networks. Macromolecular Materials and Engineering, 2019, 304, 1800728.	3.6	20
39	Quantitative analysis of human salivary glucose by gas chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 801, 355-358.	2.3	19
40	Mesoporous silica-based hybrid materials for bone-specific drug delivery. Nanoscale Advances, 2019, 1, 3269-3278.	4.6	19
41	A Novel Class of 4â€²-Aza Analogues of 2â€²,3â€²-Dideoxynucleosides as Potential Anti-HIV Drugs. Nucleosides & Nucleotides, 1997, 16, 1515-1518.	0.5	18
42	Stereoselective Synthesis of Dithia[3.3]cyclophane S,Sâ€²â€Dioxides with Planar and Central Chirality. European Journal of Organic Chemistry, 2014, 2014, 2099-2104.	2.4	18
43	A simple synthesis of anilines by LiAlH4/TiCl4 reduction of aromatic nitro compounds. Tetrahedron Letters, 2015, 56, 5341-5344.	1.4	18
44	Therapeutic potential of leptin receptor modulators. European Journal of Medicinal Chemistry, 2014, 78, 97-105.	5.5	17
45	N-Urethane protection of amines and amino acids in an ionic liquid. RSC Advances, 2015, 5, 63407-63420.	3.6	17
46	Combining antioxidant hydrogels with self-assembled microparticles for multifunctional wound dressings. Journal of Materials Chemistry B, 2019, 7, 4361-4370.	5.8	16
47	Formulation of New Baking (+)-Catechin Based Leavening Agents: Effects on Rheology, Sensory and Antioxidant Features during Muffin Preparation. Foods, 2020, 9, 1569.	4.3	16
48	An Efficient Preparation of N-Methyl-Î±-amino Acids from N-Nosyl-Î±-amino Acid Phenacyl Esters. Journal of Organic Chemistry, 2010, 75, 1386-1392.	3.2	15
49	Bortezomib-Loaded Mesoporous Silica Nanoparticles Selectively Alter Metabolism and Induce Death in Multiple Myeloma Cells. Cancers, 2020, 12, 2709.	3.7	15
50	Unusual Reactivity of Dimethylsulfoxonium Methylide with Esters. European Journal of Organic Chemistry, 2012, 2012, 114-118.	2.4	14
51	Leptin and Notch Signaling Cooperate in Sustaining Glioblastoma Multiforme Progression. Biomolecules, 2020, 10, 886.	4.0	14
52	Alginate Bioconjugate and Graphene Oxide in Multifunctional Hydrogels for Versatile Biomedical Applications. Molecules, 2021, 26, 1355.	3.8	14
53	Deprotection of Nâ€Nosylâ€Î±â€amino Acids by Using Solidâ€Supported Mercaptoacetic Acid. European Journal of Organic Chemistry, 2009, 2009, 3795-3800.	2.4	13
54	Reduction of amide carbonyl group and formation of modified amino acids and dipeptides. Tetrahedron Letters, 2015, 56, 2062-2066.	1.4	13

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55	Leptin Receptor as a Potential Target to Inhibit Human Testicular Seminoma Growth. American Journal of Pathology, 2019, 189, 687-698.	3.8	13
56	Leptin-Activity Modulators and Their Potential Pharmaceutical Applications. Biomolecules, 2021, 11, 1045.	4.0	12
57	Synthesis of Two 6-N-Protected 9-N-Vinyladenines as Dipolarophiles in the Synthesis of Modified Nucleosides. Synthetic Communications, 1996, 26, 4211-4217.	2.1	11
58	A straightforward chemical synthesis of 17-ketosteroids by cleavage of the C-17-dihydroxy acetone side chain in corticosteroids. Steroids, 2003, 68, 139-142.	1.8	11
59	Silver acetate-assisted formation of amides from acyl chlorides. Tetrahedron Letters, 2015, 56, 199-202.	1.4	11
60	Aromatherapy: composition of the gaseous phase at equilibrium with liquid bergamot essential oil. Chemistry Central Journal, 2017, 11, 111.	2.6	11
61	Occurrence of Organic Compounds in the Thermal Sulfurous Waters of Calabria, Italy. Chromatographia, 2006, 63, 585-590.	1.3	10
62	Dry Fermented Sausages of Southern Italy: A Comparison of Free Amino Acids and Biogenic Amines between Industrial and Homemade Products. Journal of Food Science, 2012, 77, S170-5.	3.1	10
63	GC/MS Analysis of Fatty Acids in Italian Dry Fermented Sausages. The Open Food Science Journal, 2015, 9, 5-13.	1.0	10
64	Smart Lipidâ€“Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 2386.	4.1	10
65	Synthesis of Isoxazolidino Analogues of 2â€²,3â€²-Dideoxynucleosides. Nucleosides & Nucleotides, 1999, 18, 581-583.	0.5	9
66	Alternative formation of amides and Î²-enaminones from aroyl chlorides using the TiCl4-trialkylamine reagent system. Organic and Biomolecular Chemistry, 2018, 16, 5677-5683.	2.8	9
67	A facile approach to steroidal 20-hydroxy-17(20)-en-21-aldehydes: important intermediates in the biological 17-dehydroxylation of C-17 dihydroxyacetone steroids. Tetrahedron Letters, 2001, 42, 7413-7415.	1.4	8
68	Highly Stereoselective Conversion of Aryl Peptidyl Ketones into the Corresponding Peptide Alcohols. European Journal of Organic Chemistry, 2004, 2004, 463-467.	2.4	8
69	Methylation of Î±â€Amino Acids and Derivatives Using Trimethylsilyldiazomethane. Chemical Biology and Drug Design, 2009, 73, 287-291.	3.2	8
70	Highly Stereoselective Synthesis of Optically Pure C-Aryl Imines from Î±-l-Amino Acid Methyl Esters. Synthetic Communications, 2003, 33, 4331-4338.	2.1	7
71	The dimethylsulfoxonium methylide as unique reagent for the simultaneous deprotection of amino and carboxyl function of N-Fmoc-Î±-amino acid and N-Fmoc-peptide esters. Tetrahedron, 2013, 69, 2010-2016.	1.9	7
72	C â†' N and N â†' C solution phase peptide synthesis using the N-acyl 4-nitrobenzenesulfonamide as protection of the carboxylic function. Organic and Biomolecular Chemistry, 2013, 11, 3786.	2.8	7

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73	Lewis acid catalysed methylation of Nâ€(9Hâ€fluorenâ€9â€yl)methanesulfonyl (Fms) protected lipophilic Î±â€amino acid methyl esters. Journal of Peptide Science, 2015, 21, 644-650.	1.4	7
74	Site-Selective Methylation of N^{Î²}-Nosyl Hydrazides of N-Nosyl Protected Î±-Amino Acids. Journal of Organic Chemistry, 2010, 75, 3381-3386.	3.2	6
75	Synthesis of enantiopure sugar-decorated six-armed triptycene derivatives. Beilstein Journal of Organic Chemistry, 2013, 9, 2410-2416.	2.2	6
76	Extraction of Quinolizidine Alkaloids in Non Aqueous Basic Conditions: The Case of Spartium junceum Flowers. Chromatographia, 2008, 68, 345-349.	1.3	4
77	Transformations of 3â€Hydroxy Steroids with Lewis and Anhydrous Protic Acids: The Case of Pregnâ€4â€enâ€3Î²,17Î±,20Î²â€Triol. Chemical Biology and Drug Design, 2011, 78, 269-276.	3.2	4
78	Steroidal seven-membered A-ring epoxy lactones by oxidation of the corresponding Î”4-3-ketosteroids. Steroids, 2006, 71, 116-119.	1.8	3
79	Synthesis of Chiral Nitrones from Nâ€Fmoc Amino Acids and Nâ€Fmoc Dipeptides. Synthetic Communications, 2004, 34, 3325-3334.	2.1	2
80	Reduction of N-Methoxy-N-Methylamides to the Corresponding Amines with AlCl3/LiAlH4. Letters in Organic Chemistry, 2006, 3, 468-469.	0.5	2
81	A titanium tetrachloride-based effective methodology for the synthesis of dipeptides. RSC Advances, 2019, 9, 22137-22142.	3.6	2
82	Titanium Tetrachloride-mediated Synthesis of Diarylmethanes through the Reaction of Benzyl Alcohol Derivatives with Aromatic Substrates. Current Organic Chemistry, 2018, 22, 2117-2123.	1.6	1
83	Engineered Stimuli-Responsive Nanoparticles for the Interaction With Biological Structures. , 2019, , 399-412.		0
84	Solid-Phase Synthesis and In-Silico Analysis of Iron-Binding Catecholato Chelators. International Journal of Molecular Sciences, 2020, 21, 7498.	4.1	0