

Leonardo Scaglioni

List of Publications by Year in descending order

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67
papers

1,254
citations

361296

20
h-index

434063

31
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67
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67
docs citations

67
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode of binding of the cytotoxic alkaloid berberine with the double helix oligonucleotide d(AAGAATTCTT) ₂ . <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 505-514.	1.4	135
2	Synthesis, Structure and Conformation of Partially-Modified Retro- and Retro-Inverso β -[NHCH(CF ₃)]Gly Peptides. <i>Chemistry - A European Journal</i> , 2003, 9, 4510-4522.	1.7	72
3	Taste-guided identification of high potency TRPA1 agonists from <i>Perilla frutescens</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1636-1639.	1.4	50
4	Regioselective Enzyme-Mediated Acylation of Polyhydroxy Natural Compounds. A Remarkable, Highly Efficient Preparation of 6'-Acetyl and 6'-O-Carboxyacetyl Ginsenoside Rg1. <i>Journal of Organic Chemistry</i> , 1995, 60, 3637-3642.	1.7	44
5	Structure elucidation of clavilactone D: an inhibitor of protein tyrosine kinases. <i>Phytochemistry</i> , 2000, 53, 1039-1041.	1.4	44
6	β -[CH(CF ₃)NH]Gly-peptides: synthesis and conformation analysis. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2286.	1.5	43
7	Nemorubicin and doxorubicin bind the G-quadruplex sequences of the human telomeres and of the c-MYC promoter element Pu22. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1129-1138.	1.1	42
8	Conformationally rigid nucleoside probes help understand the role of sugar pucker and nucleobase orientation in the thrombin-binding aptamer. <i>Nucleic Acids Research</i> , 2009, 37, 5589-5601.	6.5	35
9	Phytochemicals from <i>Ruta graveolens</i> Activate TAS2R Bitter Taste Receptors and TRP Channels Involved in Gustation and Nociception. <i>Molecules</i> , 2015, 20, 18907-18922.	1.7	34
10	Effects of oxygen level on metabolism and development of seedlings of <i>Trapa natans</i> and two ecologically related species. <i>Physiologia Plantarum</i> , 1992, 86, 168-172.	2.6	32
11	Alkalinizing Reactions Streamline Cellular Metabolism in Acidogenic Microorganisms. <i>PLoS ONE</i> , 2010, 5, e15520.	1.1	32
12	c-MYC G-quadruplex binding by the RNA polymerase I inhibitor BMH-21 and analogues revealed by a combined NMR and biochemical Approach. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 615-629.	1.1	29
13	Synthesis and Utility of Novel C-meso-Glycosylated Metalloporphyrins. <i>Tetrahedron</i> , 2000, 56, 3977-3983.	1.0	28
14	Synthetic Peptides of Hepatitis G Virus (GBV-C/HGV) in the Selection of Putative Peptide Inhibitors of the HIV-1 Fusion Peptide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7383-7391.	1.2	25
15	Specific loop modifications of the thrombin-binding aptamer trigger the formation of parallel structures. <i>FEBS Journal</i> , 2014, 281, 1085-1099.	2.2	25
16	Synthesis, DNA-Binding and Antiproliferative Properties of Acridine and 5-Methylacridine Derivatives. <i>Molecules</i> , 2012, 17, 7067-7082.	1.7	24
17	Conformation and tautomerism of hypocrellins. Revised structure of shiraiachrome A. <i>Perkin Transactions II RSC</i> , 2001, , 409-416.	1.1	22
18	Synthesis and cytotoxic activity of a new series of topoisomerase I inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1484-1489.	1.0	21

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19	Structure and Stability of Human Telomeric G-Quadruplex with Preclinical 9-Amino Acridines. PLoS ONE, 2013, 8, e57701.	1.1	21
20	¹ H-, ¹³ C-, ³¹ P-NMR studies and conformational analysis of NADP ⁺ , NADPH coenzymes and of dimers from electrochemical reduction of NADP ⁺ . BBA - Proteins and Proteomics, 1991, 1076, 49-60.	2.1	20
21	A New 3,4-seco-Lupane Derivative from <i>Lasianthus gardneri</i> . Journal of Natural Products, 2004, 67, 911-913.	1.5	20
22	Incorporation of the Unusual C β -Fluoroalkylamino Acids into Cyclopeptides: Synthesis of Arginine β -Glycine β -Aspartate (RGD) Analogues and Study of Their Conformational and Biological Behavior. Journal of Medicinal Chemistry, 2006, 49, 1808-1817.	2.9	20
23	Taste-Active Compounds in a Traditional Italian Food: <i>Lampascioni</i> TM . Chemistry and Biodiversity, 2008, 5, 1184-1194.	1.0	19
24	Mode of binding of camptothecins to double helix oligonucleotides Electronic supplementary information (ESI) available: Chemical shift values, inter-proton distances obtained from MD simulations of CAP model for the complex d(CGTATACG) ₂ /Cpt 6 and molecular dynamics figures. See http://www.rsc.org/suppdata/ob/b3/b312780j/Dedicated to Professors Luciano Caglioti and Domenico Misi on occasion of their 70th birthdays.. Organic and Biomolecular Chemistry, 2004, 2, 505.	1.5	18
25	Neoclerodanes from <i>Teucrium orientale</i> . Chemical and Pharmaceutical Bulletin, 2004, 52, 1497-1500.	0.6	17
26	Plant-Derived Stilbenoids as DNA-Binding Agents: From Monomers to Dimers. Chemistry - A European Journal, 2021, 27, 8832-8845.	1.7	17
27	Phenyl sulfur mustard derivatives of distamycin A. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1653-1656.	1.0	16
28	Synthesis and structural properties of oligonucleotides covalently linked to acridine and quindoline derivatives through a threoninol linker. Bioorganic and Medicinal Chemistry, 2010, 18, 7348-7356.	1.4	16
29	Synthesis of 2-alkylthio (or trifluoromethylthio)-2-halogenoethenyl derivatives by means of Wittig (under phase transfer conditions) or Wittig-Horner reactions. Application in the field of pyrethroids. Tetrahedron, 1984, 40, 1523-1532.	1.0	15
30	Intramolecular N-acyliminium ion versus Friedel-Crafts cyclization onto 3-indoles: synthesis of the novel rings pyrrolizino[2,1-b]indole and homologues. Tetrahedron, 2009, 65, 3465-3472.	1.0	15
31	Interaction between double helix DNA fragments and the new antitumor agent sabarubicin, Men10755. Bioorganic and Medicinal Chemistry, 2010, 18, 1497-1506.	1.4	15
32	The effect on quadruplex stability of North-nucleoside derivatives in the loops of the thrombin-binding aptamer. Bioorganic and Medicinal Chemistry, 2012, 20, 4186-4193.	1.4	15
33	The interaction of nemorubicin metabolite PNU-159682 with DNA fragments d(CGTACC) ₂ , d(CGATCG) ₂ and d(CGCGCG) ₂ shows a strong but reversible binding to G:C base pairs. Bioorganic and Medicinal Chemistry, 2012, 20, 6979-6988.	1.4	15
34	Thermal stability of the [Fe(SCys) ₄] site in <i>Clostridium pasteurianum</i> rubredoxin: contributions of the local environment and Cys ligand protonation. Journal of Biological Inorganic Chemistry, 2002, 7, 427-436.	1.1	14
35	Acridine and quindoline oligomers linked through a 4-aminoproline backbone prefer G-quadruplex structures. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 769-776.	1.1	14
36	Contribution of the [FeII(SCys) ₄] site to the thermostability of rubredoxins. Journal of Biological Inorganic Chemistry, 2004, 9, 297-306.	1.1	13

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37	Unusual accumulation of S-methylmethionine in aerobic-etiolated and in anoxic rice seedlings: An 1H-NMR study. <i>Journal of Plant Physiology</i> , 2004, 161, 725-732.	1.6	13
38	Gold-Coated Superparamagnetic Nanoparticles for Single Methyl Discrimination in DNA Aptamers. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27625-27639.	1.8	13
39	Alkaloids of <i>Uncaria elliptica</i> . <i>Phytochemistry</i> , 1997, 45, 1731-1732.	1.4	12
40	Interaction between double helix DNA fragments and a new topopyrone acting as human topoisomerase I poison. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 484-491.	1.4	12
41	Synthesis of diverse spiroisoxazolidinohydantoin by totally regio- and diastereoselective 1,3-dipolar cycloadditions. <i>RSC Advances</i> , 2011, 1, 1250.	1.7	12
42	Molecular recognition in naphthoquinone derivatives π -G-quadruplex complexes by NMR. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 673-680.	1.1	11
43	Total synthesis of leopolic acid A, a natural 2,3-pyrrolidinedione with antimicrobial activity. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1624-1628.	1.3	11
44	A Strategy for Multivalent Presentation of Carba Analogues from <i>N. meningitidis</i> A Capsular Polysaccharide. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5915-5924.	1.2	10
45	The effect of l-thymidine, acyclic thymine and 8-bromoguanine on the stability of model G-quadruplex structures. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1205-1212.	1.1	10
46	Optimization of the Synthesis of the Cross-Linked Amino Acid Ornithinoalanine and Nuclear Magnetic Resonance Characterization of Lysinoalanine and Ornithinoalanine. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 939-944.	2.4	9
47	Synthesis of Oligonucleotide Derivatives Using ChemMatrix Supports. <i>Chemistry and Biodiversity</i> , 2008, 5, 209-218.	1.0	9
48	Total synthesis of the salicyldehydroproline-containing antibiotic promysalin. <i>Tetrahedron</i> , 2016, 72, 2034-2041.	1.0	9
49	Synthesis of some 2,3-benzo-oxaocetams. <i>Journal of Heterocyclic Chemistry</i> , 1987, 24, 75-77.	1.4	8
50	1H-NMR study and structure determination of 4,4- and 4,6-dimers from electrochemical reduction of NADP+. <i>BBA - Proteins and Proteomics</i> , 1991, 1076, 37-48.	2.1	8
51	Reinvestigation of the Reaction between 2-Furancarboxaldehyde and 4-Hydroxy-5-methyl-3(2H)-furanone. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4962-4969.	2.4	8
52	Structure and absolute configuration of new acidic metabolites from <i>Stachys ehrenbergii</i> . <i>Tetrahedron Letters</i> , 2011, 52, 5972-5975.	0.7	7
53	Binding modes of the distamycin analogue FCE-24517 to d(CGTATACG) ₂ . 1H and 13C sequence-specific assignments. <i>Magnetic Resonance in Chemistry</i> , 1994, 32, 139-150.	1.1	6
54	Scuteparvin, a new neoclerodane diterpenoid from <i>Scutellaria parvula</i> . <i>Biochemical Systematics and Ecology</i> , 2004, 32, 755-759.	0.6	6

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55	Synthesis and DNA binding properties of novel benzo[b]isoquino[2,3-h]-naphthyridines. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2848.	1.5	6
56	R(âˆ²) pantoyllactone-Î²-D-glucopyranoside: characterization of a metabolite from rice seedlings. <i>Phytochemistry</i> , 1995, 40, 1617-1621.	1.4	5
57	Molecular basis for the DNA damage induction and anticancer activity of asymmetrically substituted anthrapyridazone PDZ-7. <i>Oncotarget</i> , 2017, 8, 105137-105154.	0.8	5
58	New developments in the synthesis of oligonucleotide-peptide conjugates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 963-967.	0.4	4
59	Total Synthesis of Berkeleyamide A and its 10-epi Isomer. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6217-6223.	1.2	4
60	The interplay of configuration and conformation in helical perylenequinones: Insights from chirality induction in liquid crystals and calculations. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 155-163.	1.3	4
61	Photoinduced functionalization of diterpenes: photochemical behaviour of grandiflorolic acid in methanol and acetonitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 381-386.	2.0	3
62	The Effect of Small Cosolutes that Mimic Molecular Crowding Conditions on the Stability of Triplexes Involving Duplex DNA. <i>International Journal of Molecular Sciences</i> , 2016, 17, 211.	1.8	3
63	Synthesis of the Tripeptide Antibiotic Resormycin. <i>Synthesis</i> , 2017, 49, 5351-5356.	1.2	3
64	A unique pantoyllactone glycoside system is activated in rice seedlings developing aerobically in the dark. <i>Physiologia Plantarum</i> , 2002, 116, 299-307.	2.6	2
65	Photochemical reactivity of 6Î±-hydroxy-7-keto neoclerodane diterpenoids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 180, 54-58.	2.0	2
66	Synthesis, fungicidal activity and structure-activity relationships of a series of 1-(3-pyridyl)-1-substituted-but-3-yn-1-ols. <i>Pest Management Science</i> , 1983, 14, 576-586.	0.6	1
67	Conformational study on glycosylated asparagine-oligopeptides by NMR spectroscopy and molecular dynamics calculations. <i>Journal of Peptide Science</i> , 2005, 11, 452-462.	0.8	1