

Domenica Capasso

List of Publications by Year in descending order

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56
papers

1,400
citations

331259

21
h-index

344852

36
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56
all docs

56
docs citations

56
times ranked

1907
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphodiester Silybin Dimers Powerful Radical Scavengers: A Antiproliferative Activity on Different Cancer Cell Lines. <i>Molecules</i> , 2022, 27, 1702.	1.7	0
2	Design, Synthesis, and Anticancer Activity of a Selenium-Containing Galectin-3 and Galectin-9N Inhibitor. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2581.	1.8	7
3	A novel approach for studying receptor-ligand interactions on living cells surface by using NUS/T1 ρ -NMR methodologies combined with computational techniques: The RGDechi15D- α 5 β 1 integrin complex. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3303-3318.	1.9	1
4	Development of a New Highly Selective Monoclonal Antibody against Preferentially Expressed Antigen in Melanoma (PRAME) and Identification of the Target Epitope by Bio-Layer Interferometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3166.	1.8	6
5	More Is Always Better Than One: The N-Terminal Domain of the Spike Protein as Another Emerging Target for Hampering the SARS-CoV-2 Attachment to Host Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6462.	1.8	14
6	Metabolic and conformational stabilization of a VEGF-mimetic beta-hairpin peptide by click-chemistry. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113575.	2.6	4
7	Switchable synthesis of glycosyl selenides or diselenides with direct use of selenium as the selenating agent. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1823-1829.	2.3	10
8	Natural compounds from <i>Juncus</i> plants interacting with telomeric and oncogene G-quadruplex structures as potential anticancer agents. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9953-9965.	1.5	9
9	Bio-Inspired Dual-Selective BCL-2/c-MYC G-Quadruplex Binders: Design, Synthesis, and Anticancer Activity of Drug-like Imidazo[2,1- <i>b</i>]purine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2035-2050.	2.9	35
10	Synthesis, DNA binding studies, and antiproliferative activity of novel Pt(II)-complexes with an L-alanyl-based ligand. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110868.	1.5	11
11	Tautomeric and conformational switching in a new versatile N-rich heterocyclic ligand. <i>Dalton Transactions</i> , 2020, 49, 14452-14462.	1.6	7
12	Selective Targeting of α 5 β 1 Integrin in HepG2 Cell Line by RGDechi15D Peptide. <i>Molecules</i> , 2020, 25, 4298.	1.7	6
13	Antiproliferative Activity of Mycalin A and Its Analogues on Human Skin Melanoma and Human Cervical Cancer Cells. <i>Marine Drugs</i> , 2020, 18, 402.	2.2	5
14	Probing the DNA Reactivity and the Anticancer Properties of a Novel Tubercidin-Pt(II) Complex. <i>Pharmaceutics</i> , 2020, 12, 627.	2.0	6
15	Toward G-Quadruplex-Based Anticancer Agents: Biophysical and Biological Studies of Novel AS1411 Derivatives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7781.	1.8	12
16	Synthesis, Antiproliferative Activity, and DNA Binding Studies of Nucleoamino Acid-Containing Pt(II) Complexes. <i>Pharmaceutics</i> , 2020, 13, 284.	1.7	5
17	A Multi-Targeting Approach to Fight SARS-CoV-2 Attachment. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 186.	1.6	24
18	Synthesis of diglycosylated (di)sulfides and comparative evaluation of their antiproliferative effect against tumor cell lines: A focus on the nature of sugar-recognizing mediators involved. <i>Carbohydrate Research</i> , 2019, 482, 107740.	1.1	10

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19	A new biologically active molecular scaffold: crystal structure of 7-(3-hydroxyphenyl)-4-methyl-2 <i>H</i> -[1,2,4]triazolo[3,2- <i>c</i>][1,2,4]triazole and selective antiproliferative activity of three isomeric triazolo- <i>c</i> -triazoles. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1398-1404.	0.2	2
20	Therapeutic Potential of a Novel α 5 β 3 Antagonist to Hamper the Aggressiveness of Mesenchymal Triple Negative Breast Cancer Sub-Type. <i>Cancers</i> , 2019, 11, 139.	1.7	29
21	Benzodifurans for biomedical applications: BZ4, a selective anti-proliferative and anti-amyloid lead compound. <i>Future Medicinal Chemistry</i> , 2019, 11, 285-302.	1.1	21
22	Conformational studies of RGD α 5 β 3 peptide by natural abundance NMR spectroscopy. <i>Journal of Peptide Science</i> , 2019, 25, e3166.	0.8	7
23	Short PIGF α -derived peptides bind VEGFR α 1 and VEGFR α 2 in vitro and on the surface of endothelial cells. <i>Journal of Peptide Science</i> , 2019, 25, e3146.	0.8	4
24	A selective α 5 β 3 integrin antagonist hidden into the anophelin family protein cE5 from the malaria vector <i>Anopheles gambiae</i> . <i>Peptide Science</i> , 2018, 110, e24054.	1.0	7
25	Targeting the <i>BCL2</i> Gene Promoter G-Quadruplex with a New Class of Europyridazinone-Based Molecules. <i>ChemMedChem</i> , 2018, 13, 406-410.	1.6	38
26	Deciphering RGD α 5 β 3 integrin interaction mode in isolated cell membranes. <i>Peptide Science</i> , 2018, 110, e24065.	1.0	7
27	[^{99m} Tc][Tc(N)PNP43]-Labeled RGD Peptides As New Probes for a Selective Detection of α 5 β 3 Integrin: Synthesis, Structure-Activity and Pharmacokinetic Studies. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9596-9610.	2.9	17
28	VEGFR Recognition Interface of a Proangiogenic VEGF-Mimetic Peptide Determined In Vitro and in the Presence of Endothelial Cells by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018, 24, 11461-11466.	1.7	24
29	Unveiling a VEGF-mimetic peptide sequence in the IQGAP1 protein. <i>Molecular BioSystems</i> , 2017, 13, 1619-1629.	2.9	21
30	Chemical Modification for Proteolytic Stabilization of the Selective α 5 β 3 Integrin RGD α 5 β 3 Peptide: in Vitro and in Vivo Activities on Malignant Melanoma Cells. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9874-9884.	2.9	20
31	Benzodifuran Derivatives as Potential Antiproliferative Agents: Possible Correlation between Their Bioactivity and Aggregation Properties. <i>ChemPlusChem</i> , 2017, 82, 251-260.	1.3	22
32	A Combined NMR and Computational Approach to Determine the RGD α 5 β 3 Integrin Recognition Mode in Isolated Cell Membranes. <i>Chemistry - A European Journal</i> , 2016, 22, 681-693.	1.7	23
33	A new cryptic cationic antimicrobial peptide from human apolipoprotein E with antibacterial activity and immunomodulatory effects on human cells. <i>FEBS Journal</i> , 2016, 283, 2115-2131.	2.2	54
34	Solid phase synthesis and RNA-binding activity of an arginine-containing nucleopeptide. <i>RSC Advances</i> , 2016, 6, 14140-14148.	1.7	30
35	Functional Binding Surface of a α 5 β 3 Hairpin VEGF Receptor Targeting Peptide Determined by NMR Spectroscopy in Living Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 91-95.	1.7	25
36	Synthesis and supramolecular assembly of 1,3-bis(1 β -uracilyl)-2-propanone. <i>RSC Advances</i> , 2014, 4, 28691.	1.7	8

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37	RGDechi-hCit: $\hat{\pm}\hat{v}\hat{2}3$ Selective Pro-Apoptotic Peptide as Potential Carrier for Drug Delivery into Melanoma Metastatic Cells. PLoS ONE, 2014, 9, e106441.	1.1	24
38	Identification of a pepducin acting as S1P ₃ receptor antagonist. Journal of Peptide Science, 2013, 19, 717-724.	0.8	9
39	gH625 is a viral derived peptide for effective delivery of intrinsically disordered proteins. International Journal of Nanomedicine, 2013, 8, 2555.	3.3	20
40	C-terminal truncation of Vascular Endothelial Growth Factor mimetic helical peptide preserves structural and receptor binding properties. Biochemical and Biophysical Research Communications, 2012, 424, 290-294.	1.0	16
41	$\hat{\beta}$ sulphate PNA (PNA S): Highly Selective DNA Binding Molecule Showing Promising Antigene Activity. PLoS ONE, 2012, 7, e35774.	1.1	40
42	Functional and pharmacological characterization of a VEGF mimetic peptide on reparative angiogenesis. Biochemical Pharmacology, 2012, 84, 303-311.	2.0	88
43	A straightforward synthetic access to symmetrical glycosyl disulfides and biological evaluation thereof. Organic and Biomolecular Chemistry, 2011, 9, 6278.	1.5	35
44	RNA-Binding and Viral Reverse Transcriptase Inhibitory Activity of a Novel Cationic Diamino Acid-Based Peptide. Journal of Medicinal Chemistry, 2011, 54, 2095-2101.	2.9	34
45	Synthesis, spectroscopic studies and biological activity of a novel nucleopeptide with Moloney murine leukemia virus reverse transcriptase inhibitory activity. Amino Acids, 2010, 38, 1489-1496.	1.2	28
46	Synthesis of a novel Fmoc-protected nucleoaminoacid for the solid phase assembly of 4-piperidyl glycine/l-arginine-containing nucleopeptides and preliminary RNA interaction studies. Amino Acids, 2010, 39, 795-800.	1.2	14
47	VEGFR1 _{D2} in drug discovery: Expression and molecular characterization. Biopolymers, 2010, 94, 800-809.	1.2	22
48	Alternate dab-aeqPNAs: synthesis, nucleic acid binding studies and biological activity. Molecular BioSystems, 2009, 6, 199-205.	2.9	28
49	Exposure to 900 MHz Radiofrequency Radiation Induces Caspase 3 Activation in Proliferating Human Lymphocytes. Radiation Research, 2008, 170, 327-334.	0.7	32
50	Oreacerebrosides: Bioactive Cerebrosides with a Triunsaturated Sphingoid Base from the Sea Star <i>Oreaster reticulatus</i> . European Journal of Organic Chemistry, 2007, 2007, 5277-5283.	1.2	14
51	A short PNA targeting coxsackievirus B3 5' nontranslated region prevents virus-induced cytolysis. Journal of Peptide Science, 2006, 12, 161-170.	0.8	1
52	Effects on apoptosis and reactive oxygen species formation by Jurkat cells exposed to 50 Hz electromagnetic fields. Bioelectromagnetics, 2006, 27, 159-162.	0.9	25
53	Targeting angiogenesis: Structural characterization and biological properties of a de novo engineered VEGF mimicking peptide. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14215-14220.	3.3	242
54	Role of Surface-Exposed Loops of Haemophilus influenzae Protein P2 in the Mitogen-Activated Protein Kinase Cascade. Infection and Immunity, 2003, 71, 2798-2809.	1.0	38

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55	Insights into peptide nucleic acid (PNA) structural features: The crystal structure of a D-lysine-based chiral PNA-DNA duplex. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12021-12026.	3.3	143
56	Solid phase synthesis of DNA-3'â€²-PNA chimeras by using Bhoc/Fmoc PNA monomers. Tetrahedron, 2001, 57, 9481-9486.	1.0	16