

Annamaria Sandomenico

List of Publications by Year in descending order

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74
papers

1,397
citations

394421

19
h-index

395702

33
g-index

75
all docs

75
docs citations

75
times ranked

2319
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin-like growth factor binding proteins 4 and 7 released by senescent cells promote premature senescence in mesenchymal stem cells. <i>Cell Death and Disease</i> , 2013, 4, e911-e911.	6.3	158
2	Cancer-Selective Targeting of the NF- κ B Survival Pathway with GADD45 β /MKK7 Inhibitors. <i>Cancer Cell</i> , 2014, 26, 495-508.	16.8	99
3	Long period fiber grating nano-optrode for cancer biomarker detection. <i>Biosensors and Bioelectronics</i> , 2016, 80, 590-600.	10.1	79
4	Evolution of Escherichia coli Expression System in Producing Antibody Recombinant Fragments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6324.	4.1	58
5	Carbonic anhydrase VII is S-glutathionylated without loss of catalytic activity and affinity for sulfonamide inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1560-1564.	2.2	53
6	Recent Applications of Retro-Inverso Peptides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8677.	4.1	48
7	Acylpeptide Hydrolase Inhibition as Targeted Strategy to Induce Proteasomal Down-Regulation. <i>PLoS ONE</i> , 2011, 6, e25888.	2.5	45
8	Characterization of Carbonic Anhydrase IX Interactome Reveals Proteins Assisting Its Nuclear Localization in Hypoxic Cells. <i>Journal of Proteome Research</i> , 2013, 12, 282-292.	3.7	43
9	Generation and Characterization of Monoclonal Antibodies against a Cyclic Variant of Hepatitis C Virus E2 Epitope 412-422. <i>Journal of Virology</i> , 2016, 90, 3745-3759.	3.4	39
10	A protein-based biointerfacing route toward label-free immunoassays with long period gratings in transition mode. <i>Biosensors and Bioelectronics</i> , 2012, 31, 486-491.	10.1	38
11	Automatic procedures for the synthesis of difficult peptides using oxyma as activating reagent: A comparative study on the use of bases and on different deprotection and agitation conditions. <i>Peptides</i> , 2018, 102, 38-46.	2.4	35
12	Evaluation of combined use of oxyma and HATU in aggregating peptide sequences. <i>Journal of Peptide Science</i> , 2017, 23, 272-281.	1.4	34
13	Human IgG1 antibodies suppress angiogenesis in a target-independent manner. <i>Signal Transduction and Targeted Therapy</i> , 2016, 1, .	17.1	30
14	Pegylated Trastuzumab Fragments Acquire an Increased in Vivo Stability but Show a Largely Reduced Affinity for the Target Antigen. <i>International Journal of Molecular Sciences</i> , 2016, 17, 491.	4.1	27
15	Powerful anti-tumor and anti-angiogenic activity of a new anti-vascular endothelial growth factor receptor 1 peptide in colorectal cancer models. <i>Oncotarget</i> , 2015, 6, 10563-10576.	1.8	24
16	Effects of a novel Nodal-targeting monoclonal antibody in melanoma. <i>Oncotarget</i> , 2015, 6, 34071-34086.	1.8	24
17	Small Peptide Inhibitors of Acetyl-Peptide Hydrolase Having an Uncommon Mechanism of Inhibition and a Stable Bent Conformation. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2102-2111.	6.4	22
18	Pixeled metasurface for multiwavelength detection of vitamin D. <i>Nanophotonics</i> , 2020, 9, 3921-3930.	6.0	22

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19	Probing the interaction interface of the GADD45 ^{Δ2} /MKK7 and MKK7/DTP3 complexes by chemical cross-linking mass spectrometry. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 114-123.	7.5	21
20	The LQSP tetrapeptide is a new highly efficient substrate of microbial transglutaminase for the site-specific derivatization of peptides and proteins. <i>Biotechnology Journal</i> , 2015, 10, 154-161.	3.5	19
21	Fluorescence study for selecting specific ligands toward HER2 receptor: An example of receptor fragment approach. <i>European Journal of Medicinal Chemistry</i> , 2013, 61, 116-121.	5.5	18
22	A targeted secretome profiling by multiplexed immunoassay revealed that secreted chemokine ligand 2 (MCP-1/CCL2) affects neural differentiation in mesencephalic neural progenitor cells. <i>Proteomics</i> , 2015, 15, 714-724.	2.2	17
23	APEH Inhibition Affects Osteosarcoma Cell Viability via Downregulation of the Proteasome. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1614.	4.1	17
24	Disclosing the Interaction of Carbonic Anhydrase IX with Cullin-Associated NEDD8-Dissociated Protein 1 by Molecular Modeling and Integrated Binding Measurements. <i>ACS Chemical Biology</i> , 2017, 12, 1460-1465.	3.4	17
25	Targeting Nodal and Cripto-1: Perspectives Inside Dual Potential Theranostic Cancer Biomarkers. <i>Current Medicinal Chemistry</i> , 2019, 26, 1994-2050.	2.4	17
26	IgE-binding properties and selectivity of peptide mimics of the Fc ϵ RI binding site. <i>Molecular Immunology</i> , 2009, 46, 3300-3309.	2.2	16
27	Anti-amyloidogenic property of human gastrokine 1. <i>Biochimie</i> , 2014, 106, 91-100.	2.6	16
28	Development of conformational antibodies targeting Cripto-1 with neutralizing effects in vitro. <i>Biochimie</i> , 2019, 158, 246-256.	2.6	16
29	New Anti-Nodal Monoclonal Antibodies Targeting the Nodal Pre-Helix Loop Involved in Cripto-1 Binding. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21342-21362.	4.1	15
30	Preclinical toxicology and safety pharmacology of the first-in-class GADD45 ^{Δ2} /MKK7 inhibitor and clinical candidate, DTP3. <i>Toxicology Reports</i> , 2019, 6, 369-379.	3.3	15
31	Clinical proof of concept for a safe and effective NF- κ B-targeting strategy in multiple myeloma. <i>British Journal of Haematology</i> , 2019, 185, 588-592.	2.5	15
32	An IgE receptor mimetic peptide (PepE) protects mice from IgE mediated anaphylaxis. <i>Molecular BioSystems</i> , 2013, 9, 2853.	2.9	14
33	Exploring the Interaction between the SWI/SNF Chromatin Remodeling Complex and the Zinc Finger Factor CTCF. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8950.	4.1	14
34	Protein-Protein Interactions: A Simple Strategy to Identify Binding Sites and Peptide Antagonists. <i>Chemical Biology and Drug Design</i> , 2009, 73, 483-493.	3.2	12
35	Cysteine co-oxidation process driven by native peptide folding: an example on HER2 receptor model system. <i>Amino Acids</i> , 2014, 46, 1197-1206.	2.7	12
36	Cripto-1: an extracellular protein connecting the sequestered biological dots. <i>Connective Tissue Research</i> , 2015, 56, 364-380.	2.3	12

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37	Generation and functional characterization of a BCL10-inhibitory peptide that represses NF- κ B activation. <i>Biochemical Journal</i> , 2009, 422, 553-561.	3.7	11
38	Conformational features and binding affinities to Cripto, ALK7 and ALK4 of Nodal synthetic fragments. <i>Journal of Peptide Science</i> , 2015, 21, 283-293.	1.4	11
39	Multimodal imaging for a theranostic approach in a murine model of B-cell lymphoma with engineered nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 483-491.	3.3	11
40	Structure-based design of small bicyclic peptide inhibitors of Cripto-1 activity. <i>Biochemical Journal</i> , 2020, 477, 1391-1407.	3.7	11
41	Expression and purification of the D4 region of PLD1 and characterization of its interaction with PED-PEA15. <i>Protein Expression and Purification</i> , 2008, 59, 302-308.	1.3	10
42	Branched Peptides for the Modulation of Protein-Protein Interactions: More Arms are Better than One?. <i>Current Medicinal Chemistry</i> , 2011, 18, 2429-2437.	2.4	9
43	A Comparative Structural and Bioanalytical Study of IVIG Clinical Lots. <i>Molecular Biotechnology</i> , 2013, 54, 983-995.	2.4	9
44	The role of Nodal and Cripto in human oral squamous cell carcinoma. <i>Oral Diseases</i> , 2021, 27, 1137-1147.	3.0	9
45	Synthetic Peptide Libraries: From Random Mixtures to In Vivo Testing. <i>Current Medicinal Chemistry</i> , 2020, 27, 997-1016.	2.4	9
46	Insights into the Interaction Mechanism of DTP3 with MKK7 by Using STD-NMR and Computational Approaches. <i>Biomedicines</i> , 2021, 9, 20.	3.2	9
47	Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. <i>Peptides</i> , 2017, 89, 50-59.	2.4	8
48	Intrinsic structural versatility of the highly conserved 412-423 epitope of the Hepatitis C Virus E2 protein. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 620-632.	7.5	8
49	d-Peptide analogues of Boc-Phe-Leu-Phe-Leu-Phe-COOH induce neovascularization via endothelial N-formyl peptide receptor 3. <i>Angiogenesis</i> , 2020, 23, 357-369.	7.2	8
50	Monoclonal Antibodies: A Prospective and Retrospective View. <i>Current Medicinal Chemistry</i> , 2021, 28, 435-471.	2.4	8
51	Structural insights into the interaction of a monoclonal antibody and Nodal peptides by STD-NMR spectroscopy. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6589-6596.	3.0	7
52	Structural Versatility of Hepatitis C Virus Proteins: Implications for the Design of Novel Anti-HCV Intervention Strategies. <i>Current Medicinal Chemistry</i> , 2017, 24, 4081-4101.	2.4	7
53	A new Fc γ RI receptor-mimetic peptide (PepE) that blocks IgE binding to its high affinity receptor and prevents mediator release from RBL 2H3 cells. <i>Journal of Peptide Science</i> , 2011, 17, 604-609.	1.4	6
54	Targeting VEGF receptors with non-neutralizing cyclopeptides for imaging applications. <i>Amino Acids</i> , 2018, 50, 321-329.	2.7	6

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55	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.	4.1	6
56	Selection of a Nuclease-Resistant RNA Aptamer Targeting CD19. <i>Cancers</i> , 2021, 13, 5220.	3.7	6
57	A comparative analysis of catalytic activity and stability of microbial transglutaminase in controlled denaturing conditions. <i>Journal of Biotechnology</i> , 2019, 302, 48-57.	3.8	5
58	Selective inhibition of acylpeptide hydrolase in SAOS-2 osteosarcoma cells: is this enzyme a viable anticancer target?. <i>Molecular Biology Reports</i> , 2021, 48, 1505-1519.	2.3	5
59	De novo sequencing and characterization of a novel Bowmanâ€“Birk inhibitor from <i>Lathyrus sativus</i> L. seeds by electrospray mass spectrometry. <i>Molecular BioSystems</i> , 2012, 8, 3232.	2.9	4
60	Short PIGF â€“derived peptides bind VEGFR â€“1 and VEGFR â€“2 in vitro and on the surface of endothelial cells. <i>Journal of Peptide Science</i> , 2019, 25, e3146.	1.4	4
61	Multifaceted antibodies development against synthetic Î±-dystroglycan mucin glycopeptide as promising tools for dystroglycanopathies diagnostic. <i>Glycoconjugate Journal</i> , 2020, 37, 77-93.	2.7	4
62	A structure-based approach for the development of a bicyclic peptide acting as a miniaturized anti-CD55 antibody. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1455-1462.	7.5	4
63	Monoclonal antibodies against pools of mono- and polyacetylated peptides selectively recognize acetylated lysines within the context of the original antigen. <i>MAbs</i> , 2016, 8, 1575-1589.	5.2	3
64	A multianalytical approach to investigate the effect of nanofiltration on plasma-derived factor IX clinical lots. <i>Analytical Biochemistry</i> , 2018, 542, 1-10.	2.4	3
65	Cancer-Selective Targeting of the NF-Î±B Survival Pathway in Multiple Myeloma with the GADD45Î²/MKK7 Inhibitor, DTP3. <i>Blood</i> , 2015, 126, 868-868.	1.4	3
66	Members of the GADD45 Protein Family Show Distinct Propensities to form Toxic Amyloid-Like Aggregates in Physiological Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10700.	4.1	3
67	Preparation and In Vitro Evaluation of RITUXfab-Decorated Lipoplexes to Improve Delivery of siRNA Targeting C1858T PTPN22 Variant in B Lymphocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 408.	4.1	3
68	Screening of Î²-hairpin peptide-engrafted 1,2,3-triazoles to identify APEH enzyme inhibitors. <i>RSC Advances</i> , 2015, 5, 9965-9972.	3.6	2
69	Generation and testing of engineered multimeric Fabs of trastuzumab. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4516-4531.	7.5	2
70	The Screening of Combinatorial Peptide Libraries for Targeting Key Molecules or Proteinâ€“Protein Interactions in the NF-Î±B Pathway. <i>Methods in Molecular Biology</i> , 2021, 2366, 343-356.	0.9	2
71	Investigating the oxidative refolding mechanism of Cripto-1 CFC domain. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 1179-1189.	7.5	1
72	High Sensitive Long Period Fiber Grating Biosensor for Cancer Biomarker Detection. , 2016, , .		1

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73	Oxidized Substrates of APEH as a Tool to Study the Endoprotease Activity of the Enzyme. International Journal of Molecular Sciences, 2022, 23, 443.	4.1	1
74	Peptides binding the type E immunoglobulins. Advances in Experimental Medicine and Biology, 2009, 611, 573-574.	1.6	0