

# Andrea Caporale

## List of Publications by Year in descending order

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55  
papers

923  
citations

430874

18  
h-index

501196

28  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1443  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Peptide-Protein Interactions: From Drug Design to Supramolecular Biomaterials. Molecules, 2021, 26, 1219.	3.8	11
3	Identification and characterization of heteroclitic peptides in TCR-binding positions with improved HLA-binding efficacy. Journal of Translational Medicine, 2021, 19, 89.	4.4	8
4	Design, Optimization, and Structural Characterization of an Apoptosis-Inducing Factor Peptide Targeting Human Cyclophilin A to Inhibit Apoptosis Inducing Factor-Mediated Cell Death. Journal of Medicinal Chemistry, 2021, 64, 11445-11459.	6.4	5
5	Recent Applications of Retro-Inverso Peptides. International Journal of Molecular Sciences, 2021, 22, 8677.	4.1	48
6	Natural and Synthetic Halogenated Amino Acids-Structural and Bioactive Features in Antimicrobial Peptides and Peptidomimetics. Molecules, 2021, 26, 7401.	3.8	16
7	Design, synthesis, structural analysis and biochemical studies of stapled AIF(370-394) analogues as ligand of CypA. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129717.	2.4	5
8	Generation and testing of engineered multimeric Fabs of trastuzumab. International Journal of Biological Macromolecules, 2020, 164, 4516-4531.	7.5	2
9	A recent update on the use of microbial transglutaminase for the generation of biotherapeutics. World Journal of Microbiology and Biotechnology, 2020, 36, 53.	3.6	13
10	d-Peptide analogues of Boc-Phe-Leu-Phe-Leu-Phe-COOH induce neovascularization via endothelial N-formyl peptide receptor 3. Angiogenesis, 2020, 23, 357-369.	7.2	8
11	Identification and characterization of cytotoxic amyloid-like regions in human Pbx-regulating protein-1. International Journal of Biological Macromolecules, 2020, 163, 618-629.	7.5	6
12	AcGly-Phe-Asn(OH) and AcGly-Phe-Asn(NH <sub>2</sub> ) tripeptides selectively affect the proliferation rate of MDA-MB 231 and HuDe cells. Molecular Biology Reports, 2020, 47, 4009-4014.	2.3	1
13	Synthetic Peptide Libraries: From Random Mixtures to In Vivo Testing. Current Medicinal Chemistry, 2020, 27, 997-1016.	2.4	9
14	Investigating the oxidative refolding mechanism of Cripto-1 CFC domain. International Journal of Biological Macromolecules, 2019, 137, 1179-1189.	7.5	1
15	Improved synthesis on solid phase of dithiocarbamic <sup>R</sup>CGD-derivative and <sup>99m</sup>Tc-derivatives radiolabelling. Journal of Peptide Science, 2019, 25, e3140.	1.4	4
16	A comparative analysis of catalytic activity and stability of microbial transglutaminase in controlled denaturing conditions. Journal of Biotechnology, 2019, 302, 48-57.	3.8	5
17	Metasurface based on cross-shaped plasmonic nanoantennas as chemical sensor for surface-enhanced infrared absorption spectroscopy. Sensors and Actuators B: Chemical, 2019, 286, 600-607.	7.8	32
18	Short PIGF-derived peptides bind VEGFR-1 and VEGFR-2 in vitro and on the surface of endothelial cells. Journal of Peptide Science, 2019, 25, e3146.	1.4	4

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19	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
20	Targeting VEGF receptors with non-neutralizing cyclopeptides for imaging applications. <i>Amino Acids</i> , 2018, 50, 321-329.	2.7	6
21	Binding mode of AIF(370-394) peptide to CypA: insights from NMR, label-free and molecular docking studies. <i>Biochemical Journal</i> , 2018, 475, 2377-2393.	3.7	8
22	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
23	Ultra-performance liquid chromatography/multiple reaction monitoring mass spectrometry quantification of trastuzumab in human serum by selective monitoring of a specific peptide marker from the antibody complementarity-determining regions. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1184-1192.	1.5	14
24	Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. <i>Peptides</i> , 2017, 89, 50-59.	2.4	8
25	Fluorescent chemosensors for Hg <sup>2+</sup> detection in aqueous environment. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 727-735.	7.8	47
26	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
27	Key aromatic/hydrophobic amino acids controlling a cross-amyloid peptide interaction versus amyloid self-assembly. <i>Journal of Biological Chemistry</i> , 2017, 292, 14587-14602.	3.4	50
28	Structural and biochemical insights of CypA and AIF interaction. <i>Scientific Reports</i> , 2017, 7, 1138.	3.3	24
29	Benzoxaborole as a new chemotype for carbonic anhydrase inhibition. <i>Chemical Communications</i> , 2016, 52, 11983-11986.	4.1	69
30	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
31	FRET-Protease-Coupled Peptidyl-Prolyl cis-trans Isomerase Assay. <i>Journal of Biomolecular Screening</i> , 2016, 21, 701-712.	2.6	7
32	A Hot-Segment-Based Approach for the Design of Cross-Amyloid Interaction Surface Mimics as Inhibitors of Amyloid Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13095-13100.	13.8	53
33	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
34	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
35	Practical synthesis of aryl-2-methyl-3-butyn-2-ols from aryl bromides via conventional and decarboxylative copper-free Sonogashira coupling reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 384-393.	2.2	21
36	A convenient synthesis of the key intermediate of selective COX-2 inhibitor Etoricoxib. <i>RSC Advances</i> , 2013, 3, 18544.	3.6	2

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37	Synthesis and structure–property relationship of polyester-urethanes and their evaluation for the regeneration of contractile tissues. <i>Reactive and Functional Polymers</i> , 2013, 73, 1366-1376.	4.1	34
38	Biodegradable paclitaxel-loaded microparticles prepared from novel block copolymers: influence of polymer composition on drug encapsulation and release. <i>Journal of Peptide Science</i> , 2013, 19, 205-213.	1.4	7
39	Design, conformational studies and analysis of structure–function relationships of PTH (1–11) analogues: the essential role of Val in position 2. <i>Amino Acids</i> , 2012, 43, 207-218.	2.7	6
40	Dissecting the Role of Single Regions of an IAPP Mimic and IAPP in Inhibition of A $\beta$ 40 Amyloid Formation and Cytotoxicity. <i>ChemBioChem</i> , 2011, 12, 1313-1322.	2.6	34
41	Role of the guanidine group in the N-terminal fragment of PTH(1–11). <i>Amino Acids</i> , 2010, 38, 1269-1275.	2.7	5
42	Synthesis and structural studies of new analogues of PTH(1–11) containing C $\beta$ -tetra-substituted amino acids in position 8. <i>Amino Acids</i> , 2010, 39, 1369-1379.	2.7	8
43	Peptide–peptoid hybrids based on (1–11)-parathyroid hormone analogs. <i>Journal of Peptide Science</i> , 2010, 16, 480-485.	1.4	4
44	G protein-coupled receptors function as logic gates for nanoparticle binding and cell uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10667-10672.	7.1	51
45	Multiblock polyurethanes in biomedical applications: fine tuning of degradation and biomimetic properties. , 2010, , .		2
46	Side Chain Cyclization Based on Serine Residues: Synthesis, Structure, and Activity of a Novel Cyclic Analogue of the Parathyroid Hormone Fragment 1–11. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8072-8079.	6.4	20
47	Structure–function relationship studies of PTH(1–11) analogues containing D-amino acids. <i>European Journal of Pharmacology</i> , 2009, 611, 1-7.	3.5	13
48	Development of a RGDS-peptide modified polyurethane for tissue regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 249-250.	1.6	1
49	Structure-Function Relationship Study of Parathyroid Hormone (1–11) Analogues Containing D-AA. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 113-114.	1.6	4
50	Avidin–biotin system: a small library of cysteine biotinylated derivatives designed for the [99mTc(N)(PNP)] <sup>2+</sup> metal fragment. <i>Nuclear Medicine and Biology</i> , 2007, 34, 511-522.	0.6	18
51	Structure–function relationship studies of PTH(1–11) analogues containing sterically hindered dipeptide mimetics. <i>Journal of Peptide Science</i> , 2007, 13, 504-512.	1.4	12
52	Bioactive polyurethanes in clinical applications. <i>Polymers for Advanced Technologies</i> , 2006, 17, 786-789.	3.2	29
53	The 11-mer repeats of human $\alpha$ -synuclein in vesicle interactions and lipid composition discrimination: A cooperative role. <i>Biopolymers</i> , 2006, 84, 310-316.	2.4	33
54	Amino Acid Bromides: Their N-Protection and Use in the Synthesis of Peptides with Extremely Difficult Sequences. <i>Journal of Organic Chemistry</i> , 2002, 67, 6372-6375.	3.2	20

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55	Cyclic RGD Peptides Containing Azabicycloalkane Reverse-Turn Mimics. <i>Helvetica Chimica Acta</i> , 2002, 85, 4353-4368.	1.6	18