# Andrea Caporale

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6141216/publications.pdf

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| 55 | 923 | 430874 | 501196 |
|---|---|---|---|
| papers | citations | 18 | 28 |
| | | h-index | g-index |

| 57 | 57 | 57 | 1443 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Benzoxaborole as a new chemotype for carbonic anhydrase inhibition. Chemical Communications, 2016, 52, 11983-11986. | 4.1 | 69 |
| 2 | A Hotâ€Segmentâ€Based Approach for the Design of Crossâ€Amyloid Interaction Surface Mimics as Inhibitors of Amyloid Selfâ€Assembly. Angewandte Chemie - International Edition, 2015, 54, 13095-13100. | 13.8 | 53 |
| 3 | G protein-coupled receptors function as logic gates for nanoparticle binding and cell uptake. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10667-10672. | 7.1 | 51 |
| 4 | Key aromatic/hydrophobic amino acids controlling a cross-amyloid peptide interaction versus amyloid self-assembly. Journal of Biological Chemistry, 2017, 292, 14587-14602. | 3.4 | 50 |
| 5 | Recent Applications of Retro-Inverso Peptides. International Journal of Molecular Sciences, 2021, 22, 8677. | 4.1 | 48 |
| 6 | Fluorescent chemosensors for Hg2+ detection in aqueous environment. Sensors and Actuators B: Chemical, 2017, 247, 727-735. | 7.8 | 47 |
| 7 | 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. Peptides, 2018, 102, 38-46. | 2.4 | 35 |
| 8 | Dissecting the Role of Single Regions of an IAPP Mimic and IAPP in Inhibition of AÎ²40 Amyloid Formation and Cytotoxicity. ChemBioChem, 2011, 12, 1313-1322. | 2.6 | 34 |
| 9 | Synthesis and structureâ€“property relationship of polyester-urethanes and their evaluation for the regeneration of contractile tissues. Reactive and Functional Polymers, 2013, 73, 1366-1376. | 4.1 | 34 |
| 10 | Evaluation of combined use of <scp>O</scp>xyma and <scp>HATU</scp> in aggregating peptide sequences. Journal of Peptide Science, 2017, 23, 272-281. | 1.4 | 34 |
| 11 | The 11â€mer repeats of human Î±â€synuclein in vesicle interactions and lipid composition discrimination: A cooperative role. Biopolymers, 2006, 84, 310-316. | 2.4 | 33 |
| 12 | 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 |
| 13 | Bioactive polyurethanes in clinical applications. Polymers for Advanced Technologies, 2006, 17, 786-789. | 3.2 | 29 |
| 14 | Structural and biochemical insights of CypA and AIF interaction. Scientific Reports, 2017, 7, 1138. | 3.3 | 24 |
| 15 | Practical synthesis of aryl-2-methyl-3-butyn-2-ols from aryl bromides via conventional and decarboxylative copper-free Sonogashira coupling reactions. Beilstein Journal of Organic Chemistry, 2014, 10, 384-393. | 2.2 | 21 |
| 16 | Amino Acid Bromides:Â Their N-Protection and Use in the Synthesis of Peptides with Extremely Difficult Sequences. Journal of Organic Chemistry, 2002, 67, 6372-6375. | 3.2 | 20 |
| 17 | Side Chain Cyclization Based on Serine Residues: Synthesis, Structure, and Activity of a Novel Cyclic Analogue of the Parathyroid Hormone Fragment 1â"11â€. Journal of Medicinal Chemistry, 2010, 53, 8072-8079. | 6.4 | 20 |
| 18 | The LQSP tetrapeptide is a new highly efficient substrate of microbial transglutaminase for the siteâ€specific derivatization of peptides and proteins. Biotechnology Journal, 2015, 10, 154-161. | 3.5 | 19 |

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|---|---|---|---|
| 19 | Cyclic RGD Peptides Containing Azabicycloalkane Reverse-Turn Mimics. Helvetica Chimica Acta, 2002, 85, 4353-4368. | 1.6 | 18 |
| 20 | Avidinâ€“biotin system: a small library of cysteine biotinylated derivatives designed for the [99mTc(N)(PNP)]2+ metal fragment. Nuclear Medicine and Biology, 2007, 34, 511-522. | 0.6 | 18 |
| 21 | Natural and Synthetic Halogenated Amino Acidsâ€”Structural and Bioactive Features in Antimicrobial Peptides and Peptidomimetics. Molecules, 2021, 26, 7401. | 3.8 | 16 |
| 22 | Ultraâ€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 complementarityâ€determining regions. Rapid Communications in Mass Spectrometry, 2017, 31, 1184-1192. | 1.5 | 14 |
| 23 | Structureâ€“function relationship studies of PTH(1â€“11) analogues containing D-amino acids. European Journal of Pharmacology, 2009, 611, 1-7. | 3.5 | 13 |
| 24 | 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 |
| 25 | Structureâ€“function relationship studies of PTH(1â€“11) analogues containing sterically hindered dipeptide mimetics. Journal of Peptide Science, 2007, 13, 504-512. | 1.4 | 12 |
| 26 | Conformational features and binding affinities to Cripto, ALK7 and ALK4 of Nodal synthetic fragments. Journal of Peptide Science, 2015, 21, 283-293. | 1.4 | 11 |
| 27 | Peptideâ€“Protein Interactions: From Drug Design to Supramolecular Biomaterials. Molecules, 2021, 26, 1219. | 3.8 | 11 |
| 28 | Synthetic Peptide Libraries: From Random Mixtures to In Vivo Testing. Current Medicinal Chemistry, 2020, 27, 997-1016. | 2.4 | 9 |
| 29 | Synthesis and structural studies of new analogues of PTH(1â€“11) containing CÎ±-tetra-substituted amino acids in position 8. Amino Acids, 2010, 39, 1369-1379. | 2.7 | 8 |
| 30 | Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. Peptides, 2017, 89, 50-59. | 2.4 | 8 |
| 31 | Binding mode of AIF(370â€“394) peptide to CypA: insights from NMR, label-free and molecular docking studies. Biochemical Journal, 2018, 475, 2377-2393. | 3.7 | 8 |
| 32 | 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 |
| 33 | 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 |
| 34 | Biodegradable paclitaxelâ€loaded microparticles prepared from novel block copolymers: influence of polymer composition on drug encapsulation and release. Journal of Peptide Science, 2013, 19, 205-213. | 1.4 | 7 |
| 35 | FRET-Protease-Coupled Peptidyl-Prolyl cis-trans Isomerase Assay. Journal of Biomolecular Screening, 2016, 21, 701-712. | 2.6 | 7 |
| 36 | Structural insights into the interaction of a monoclonal antibody and Nodal peptides by STD-NMR spectroscopy. Bioorganic and Medicinal Chemistry, 2017, 25, 6589-6596. | 3.0 | 7 |

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|---|---|---|---|
| 37 | Design, conformational studies and analysis of structureâ€“function relationships of PTH (1â€“11) analogues: the essential role of Val in position 2. Amino Acids, 2012, 43, 207-218. | 2.7 | 6 |
| 38 | Targeting VEGF receptors with non-neutralizing cyclopeptides for imaging applications. Amino Acids, 2018, 50, 321-329. | 2.7 | 6 |
| 39 | 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 |
| 40 | Role of the guanidine group in the N-terminal fragment of PTH(1â€“11). Amino Acids, 2010, 38, 1269-1275. | 2.7 | 5 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Peptideâ€“peptoid hybrids based on (1â€“11)â€parathyroid hormone analogs. Journal of Peptide Science, 2010, 16, 480-485. | 1.4 | 4 |
| 45 | Improved synthesis on solid phase of dithiocarbamic <scp>cRGD</scp>â€derivative and <scp><sup>99m</sup>Tc</scp>â€radiolabelling. Journal of Peptide Science, 2019, 25, e3140. | 1.4 | 4 |
| 46 | Short PlGF â€derived peptides bind VEGFR â€1 and VEGFR â€2 in vitro and on the surface of endothelial cells. Journal of Peptide Science, 2019, 25, e3146. | 1.4 | 4 |
| 47 | Structure-Function Relationship Study of Parathyroid Hormone (1â€“11) Analogues Containing D-AA. Advances in Experimental Medicine and Biology, 2009, 611, 113-114. | 1.6 | 4 |
| 48 | Monoclonal antibodies against pools of mono- and polyacetylated peptides selectively recognize acetylated lysines within the context of the original antigen. MAbs, 2016, 8, 1575-1589. | 5.2 | 3 |
| 49 | Multiblock polyurethanes in biomedical applications: fine tuning of degradation and biomimetic properties. , 2010, , . | | 2 |
| 50 | A convenient synthesis of the key intermediate of selective COX-2 inhibitor Etoricoxib. RSC Advances, 2013, 3, 18544. | 3.6 | 2 |
| 51 | Generation and testing of engineered multimeric Fabs of trastuzumab. International Journal of Biological Macromolecules, 2020, 164, 4516-4531. | 7.5 | 2 |
| 52 | Investigating the oxidative refolding mechanism of Cripto-1 CFC domain. International Journal of Biological Macromolecules, 2019, 137, 1179-1189. | 7.5 | 1 |
| 53 | AcGlyâ€“Pheâ€“Asn(OH) and AcGlyâ€“Pheâ€“Asn(NH2) tripeptides selectively affect the proliferation rate of MDA-MB 231 and HuDe cells. Molecular Biology Reports, 2020, 47, 4009-4014. | 2.3 | 1 |
| 54 | Development of a RGDS-peptide modified polyurethane for tissue regeneration. Advances in Experimental Medicine and Biology, 2009, 611, 249-250. | 1.6 | 1 |

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| 55 | 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 |