Chiara Cabrele

List of Publications by Year
in descending order

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71 papers	2,872 citations	201385 27 h-index	189595 50 g-index
76 all docs	76 docs citations	76 times ranked	3748 citing authors

#	Article	IF	Citations
1	A Conformationally Stable Acyclic Î²â€Hairpin Scaffold Tolerating the Incorporation of Poorly Î²â€Sheetâ€Prone Amino Acids. ChemBioChem, 2022, 23, .	1.3	6
2	Backbone distortions in lactamâ€bridged helical peptides. Journal of Peptide Science, 2022, , e3400.	0.8	1
3	Imitation of fermenting fruits in beetle-pollinated Calycanthus occidentalis (Calycanthaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 274, 151732.	0.6	5
4	Detecting aspartate isomerization and backbone cleavage after aspartate in intact proteins by NMR spectroscopy. Journal of Biomolecular NMR, 2021, 75, 71-82.	1.6	12
5	The Peptide Ligase Activity of Human Legumain Depends on Fold Stabilization and Balanced Substrate Affinities. ACS Catalysis, 2021, 11, 11885-11896.	5.5	15
6	Structural and functional studies of Arabidopsis thaliana legumain beta reveal isoform specific mechanisms of activation and substrate recognition. Journal of Biological Chemistry, 2020, 295, 13047-13064.	1.6	24
7	Identification and Quantification of Oxidation Products in Full-Length Biotherapeutic Antibodies by NMR Spectroscopy. Analytical Chemistry, 2020, 92, 9666-9673.	3.2	16
8	A novel FRET peptide assay reveals efficient Helicobacter pylori HtrA inhibition through zinc and copper binding. Scientific Reports, 2020, 10, 10563.	1.6	19
9	Susceptibility of protein therapeutics to spontaneous chemical modifications by oxidation, cyclization, and elimination reactions. Amino Acids, 2019, 51, 1409-1431.	1.2	56
10	Unambiguous Identification of Pyroglutamate in Full-Length Biopharmaceutical Monoclonal Antibodies by NMR Spectroscopy. Analytical Chemistry, 2019, 91, 14299-14305.	3.2	16
11	Multiple roles of Bet v 1 ligands in allergen stabilization and modulation of endosomal protease activity. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2382-2393.	2.7	51
12	The NMR signature of gluconoylation: a frequent N-terminal modification of isotope-labeled proteins. Journal of Biomolecular NMR, 2019, 73, 71-79.	1.6	8
13	Structural analyses of Arabidopsis thaliana legumain Î³ reveal differential recognition and processing of proteolysis and ligation substrates. Journal of Biological Chemistry, 2018, 293, 8934-8946.	1.6	43
14	Crystal Structure of Plant Legumain Reveals a Unique Two-Chain State with pH-Dependent Activity Regulation. Plant Cell, 2018, 30, 686-699.	3.1	62
15	Reduction of cancer cell viability by synergistic combination of photodynamic treatment with the inhibition of the Id protein family. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 521-529.	1.7	6
16	An explorative study towards the chemical synthesis of the immunoglobulin G1 Fc CH3 domain. Journal of Peptide Science, 2018, 24, e3126.	0.8	3
17	The Recombinant Inhibitor of DNA Binding Id2 Forms Multimeric Structures via the Helix-Loop-Helix Domain and the Nuclear Export Signal. International Journal of Molecular Sciences, 2018, 19, 1105.	1.8	2
18	The Id-protein family in developmental and cancer-associated pathways. Cell Communication and Signaling, 2017, 15, 7.	2.7	149

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19	Visibleâ€light photoredoxâ€catalyzed desulfurization of thiolâ€and disulfideâ€containing amino acids and small peptides. Journal of Peptide Science, 2017, 23, 556-562.	0.8	28
20	Fluorescence- and Radiolabeling of [Lys⁴,Nle^{17,30}]hPP Yields Molecular Tools for the NPY Y₄ Receptor. Bioconjugate Chemistry, 2017, 28, 1291-1304.	1.8	12
21	Impact of the amino acid sequence on the conformation of side chain lactamâ€bridged octapeptides. Journal of Peptide Science, 2017, 23, 587-596.	0.8	2
22	Inhibition of delta-secretase improves cognitive functions in mouse models of Alzheimerâ€™s disease. Nature Communications, 2017, 8, 14740.	5.8	96
23	Complete NMR Assignment of Succinimide and Its Detection and Quantification in Peptides and Intact Proteins. Analytical Chemistry, 2017, 89, 11962-11970.	3.2	23
24	Targeting of a Helixâ€Loopâ€Helix Transcriptional Regulator by a Short Helical Peptide. ChemMedChem, 2017, 12, 1497-1503.	1.6	6
25	The Modern Face of Synthetic Heterocyclic Chemistry. Journal of Organic Chemistry, 2016, 81, 10109-10125.	1.7	149
26	Molecular tools for the NPY Y4 receptor: Fluorescence- and radiolabelled [Lys4,Nle17,30]hPP. Neuropeptides, 2016, 55, 17.	0.9	0
27	Mimicking of Arginine by Functionalized N^ω-Carbamoylated Arginine As a New Broadly Applicable Approach to Labeled Bioactive Peptides: High Affinity Angiotensin, Neuropeptide Y, Neuropeptide FF, and Neurotensin Receptor Ligands As Examples. Journal of Medicinal Chemistry, 2016, 59, 1925-1945.	2.9	34
28	Stabilization of the Dimeric Birch Pollen Allergen Bet v 1 Impacts Its Immunological Properties. Journal of Biological Chemistry, 2014, 289, 540-551.	1.6	27
29	Self-recognition behavior of a helixâ€“loopâ€“helix domain by a fragment scan. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1675-1683.	1.1	6
30	Peptides Containing Î²-Amino Acid Patterns: Challenges and Successes in Medicinal Chemistry. Journal of Medicinal Chemistry, 2014, 57, 9718-9739.	2.9	249
31	Replacement of Thr³² and Gln³⁴ in the C-Terminal Neuropeptide Y Fragment 25â€“36 by cis-Cyclobutane and cis-Cyclopentane Î²-Amino Acids Shifts Selectivity toward the Y₄ Receptor. Journal of Medicinal Chemistry, 2013, 56, 8422-8431.	2.9	46
32	How ionic liquids can help to stabilize native proteins. Physical Chemistry Chemical Physics, 2012, 14, 415-426.	1.3	250
33	Copper nanoparticles stabilized on nitrogen-doped carbon nanotubes as efficient and recyclable catalysts for alkyne/aldehyde/cyclic amine A3-type coupling reactions. Applied Catalysis A: General, 2012, 431-432, 88-94.	2.2	67
34	Biomimetic soluble collagen purified from bones. Biotechnology Journal, 2012, 7, 1386-1394.	1.8	12
35	Unique Î±,Î²â€and Î±,Î±,Î²,Î²â€Peptide Foldamers Based on cisâ€Î²â€Aminocyclopentanecarboxylic Acid. Angewandte Chemie - International Edition, 2012, 51, 2208-2212.	7.2	80
36	Functional reconstitution of human neuropeptide Y (NPY) Y2and Y4receptors in Sf9 insect cells. Journal of Receptor and Signal Transduction Research, 2011, 31, 271-285.	1.3	10

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37	Synthesis and conformation of an analog of the helixâ€loopâ€helix domain of the Id1 protein containing the Oâ€acyl isoâ€prolylâ€seryl switch motif. Journal of Peptide Science, 2010, 16, 303-308.	0.8	8
38	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.	3.3	51
39	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.	2.9	20
40	Synthetic peptides containing a conserved sequence motif of the Id protein family modulate vascular smooth muscle cell phenotype. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6298-6302.	1.0	20
41	Stable Right- and Left-Handed Peptide Helices containing C^{Î±}-Tetrasubstituted Î±-Amino Acids. Journal of Organic Chemistry, 2009, 74, 3718-3726.	1.7	19
42	Switching from the unfolded to the folded state of the helixâ€loopâ€helix domain of the Id proteins based on the Oâ€acyl isopeptide method. Journal of Peptide Science, 2008, 14, 1209-1215.	0.8	17
43	Recognition of the Helixâ€Loopâ€Helix domain of the Id proteins by an artificial luminescent metal complex receptor. Journal of Molecular Recognition, 2008, 21, 79-88.	1.1	3
44	Determination of Affinity and Activity of Ligands at the Human Neuropeptide Y Y4Receptor by Flow Cytometry and Aequorin Luminescence. Journal of Receptor and Signal Transduction Research, 2007, 27, 217-233.	1.3	39
45	Î³-Aminoadamantanecarboxylic Acids Through Direct Câ€“H Bond Amidations. European Journal of Organic Chemistry, 2007, 2007, 1474-1490.	1.2	87
46	A short Id2 protein fragment containing the nuclear export signal forms amyloid-like fibrils. Biochemical and Biophysical Research Communications, 2006, 346, 182-187.	1.0	4
47	Synthesis and conformational analysis of Id2 protein fragments: impact of chain length and point mutations on the structural HLH motif. Journal of Peptide Science, 2006, 12, 550-558.	0.8	11
48	Chemoenzymatic resolution of epimeric cis 3-carboxycyclopentylglycine derivatives. Tetrahedron, 2006, 62, 3502-3508.	1.0	12
49	Fluorescence- and luminescence-based methods for the determination of affinity and activity of neuropeptide Y2 receptor ligands. European Journal of Pharmacology, 2006, 551, 10-18.	1.7	36
50	Stepwise Solid-Phase Synthesis and Spontaneous Homodimerization of the Helix-Loop-Helix Protein Id3. ChemBioChem, 2006, 7, 1164-1168.	1.3	8
51	An Improved Synthesis of 3,4-(Aminomethano)proline and Its Incorporation into Small Oligopeptides. European Journal of Organic Chemistry, 2006, 2006, 4440-4450.	1.2	26
52	5-Fluorouracil-related enhancement of adenoviral infection is Coxsackievirus-adenovirus receptor independent and associated with morphological changes in lipid membranes. World Journal of Gastroenterology, 2006, 12, 5168-74.	1.4	6
53	Synthesis and conformational properties of protein fragments based on the Id family of DNA-binding and cell-differentiation inhibitors. Biopolymers, 2005, 80, 762-774.	1.2	25
54	Neuropeptid-Y-Analoga mit Î²-AminocyclopropancarbonsÃure-Einheiten sind die kÃ¼rzesten linearen und selektiven Peptide am Y1-Rezeptor. Angewandte Chemie, 2003, 115, 212-215.	1.6	18

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55	Analogues of Neuropeptide Y Containing Î²-Aminocyclopropane Carboxylic Acids are the Shortest Linear Peptides That Are Selective for the Y1 Receptor. Angewandte Chemie - International Edition, 2003, 42, 202-205.	7.2	79
56	Ala31-Aib32:Â Identification of the Key Motif for High Affinity and Selectivity of Neuropeptide Y at the Y5-Receptorâ€. Biochemistry, 2002, 41, 8043-8049.	1.2	28
57	Photoresponsive Cyclic Bis(cysteinyl)peptides as Catalysts of Oxidative Protein Folding This work was supported by the SFB 533 of the Ludwig-Maximilians UniversitÃt MÃ¼nchen (grant A8) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	7.2	110
58	Photomodulation of the Redox and Folding Adjuvant Properties of Bis(cysteinyl) Peptides. European Journal of Organic Chemistry, 2002, 2002, 2144.	1.2	13
59	Redox-Active Cyclic Bis(cysteinyl)peptides as Catalysts for In Vitro Oxidative Protein Folding. Chemistry and Biology, 2002, 9, 731-740.	6.2	40
60	Y-receptor affinity modulation by the design of pancreatic polypeptide/neuropeptide Y chimera led to Y5-receptor ligands with picomolar affinity. Peptides, 2001, 22, 365-378.	1.2	39
61	Characterisation of Neuropeptide Y Receptor Subtypes by Synthetic NPY Analogues and by Anti-receptor Antibodies. Molecules, 2001, 6, 448-467.	1.7	15
62	Molecular characterization of the ligand-receptor interaction of the neuropeptide Y family. , 2000, 6, 97-122.		176
63	Binding properties of three neuropeptide Y receptor subtypes from zebrafish: comparison with mammalian Y1 receptors. Biochemical Pharmacology, 2000, 60, 1815-1822.	2.0	14
64	The First Selective Agonist for the Neuropeptide YY5Receptor Increases Food Intake in Rats. Journal of Biological Chemistry, 2000, 275, 36043-36048.	1.6	167
65	2â€“36[K4,RYYSA19â€“23]PP a novel Y5-receptor preferring ligand with strong stimulatory effect on food intake. Regulatory Peptides, 2000, 87, 47-58.	1.9	42
66	Differently labeled peptide ligands for rapid investigation of receptor expression on a new human glioblastoma cell line. Peptides, 2000, 21, 1885-1893.	1.2	19
67	The Synthesis of Diastereo- and Enantiomerically PureÎ²-Aminocyclopropanecarboxylic Acids. Journal of Organic Chemistry, 2000, 65, 8960-8969.	1.7	74
68	Amino Acid Side Chain Attachment Approach and Its Application to the Synthesis of Tyrosine-Containing Cyclic Peptides. Journal of Organic Chemistry, 1999, 64, 4353-4361.	1.7	68
69	Novel Strategies for the Synthesis of Peptides containing Cis- or Trans-Î²-Aminocyclopropanecarboxylic Acids. Synlett, 1997, 1997, 827-829.	1.0	36
70	Aggregation and conformational transition in aqueous solution of a bombolitin III analogue containing a photoreactive side-chain group. , 1997, 42, 147-156.		5
71	Investigation of crudes of synthesis of [Leu31, Pro34]-neuropeptide Y by capillary zone electrophoresis/mass spectrometry. Rapid Communications in Mass Spectrometry, 1995, 9, 1386-1390.	0.7	6