

Luis Moroder

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2188950/luis-moroder-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

303
papers

13,039
citations

55
h-index

101
g-index

320
ext. papers

13,627
ext. citations

4.9
avg, IF

5.8
L-index

#	Paper	IF	Citations
303	Structure of TPR domain-peptide complexes: critical elements in the assembly of the Hsp70-Hsp90 multichaperone machine. <i>Cell</i> , 2000 , 101, 199-210	56.2	1024
302	Secretin receptor activity in rat gastric glands. Binding studies, cAMP generation and pharmacology. <i>Peptides</i> , 1986 , 7 Suppl 1, 155-63	3.8	711
301	Single-molecule optomechanical cycle. <i>Science</i> , 2002 , 296, 1103-6	33.3	707
300	A gated channel into the proteasome core particle. <i>Nature Structural Biology</i> , 2000 , 7, 1062-7		641
299	Di-tert.-butyldicarbonat Ein vorteilhaftes Reagenz zur Einföhrung der tert.-Butyloxycarbonyl-Schutzgruppe. <i>Hoppe-Seyler's Zeitschrift Fö Physiologische Chemie</i> , 1976 , 357, 1651-1654		258
298	Iodoacetamide-induced artifact mimics ubiquitination in mass spectrometry. <i>Nature Methods</i> , 2008 , 5, 459-60	21.6	237
297	Azobenzene as conformational switch in model peptides. <i>ChemBioChem</i> , 2006 , 7, 868-78	3.8	229
296	Ultrafast spectroscopy reveals subnanosecond peptide conformational dynamics and validates molecular dynamics simulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 7998-8002	11.5	190
295	Expansion of the genetic code enables design of a novel "gold" class of green fluorescent proteins. <i>Journal of Molecular Biology</i> , 2003 , 328, 1071-81	6.5	184
294	Fluoroprolines as Tools for Protein Design and Engineering. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 923-925	16.4	171
293	Transient 2D-IR Spectroscopy: Snapshots of the Nonequilibrium Ensemble during the Picosecond Conformational Transition of a Small Peptide. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8654-8660	3.4	150
292	Picosecond conformational transition and equilibration of a cyclic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6452-7	11.5	147
291	Functional incorporation of integrins into solid supported membranes on ultrathin films of cellulose: impact on adhesion. <i>Biophysical Journal</i> , 2003 , 85, 646-55	2.9	145
290	Isosteric replacement of sulfur with other chalcogens in peptides and proteins. <i>Journal of Peptide Science</i> , 2005 , 11, 187-214	2.1	144
289	Photomodulation of the Conformation of Cyclic Peptides with Azobenzene Moieties in the Peptide Backbone. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2771-2774	16.4	127
288	The Redox Potential of Selenocystine in Unconstrained Cyclic Peptides. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 883-885		120
287	New evidence for a membrane-bound pathway in hormone receptor binding. <i>Biochemistry</i> , 1993 , 32, 13551-9	3.2	115

286	Oxidative folding of cystine-rich peptides vs regioselective cysteine pairing strategies. <i>Biopolymers</i> , 1996 , 40, 207-34	2.2	110
285	Single Molecule Force Spectroscopy of Azobenzene Polymers: Switching Elasticity of Single Photochromic Macromolecules. <i>Macromolecules</i> , 2003 , 36, 2015-2023	5.5	108
284	The cystine-stabilized alpha-helix: a common structural motif of ion-channel blocking neurotoxic peptides. <i>Biopolymers</i> , 1991 , 31, 1213-20	2.2	101
283	A photocontrolled beta-hairpin peptide. <i>Chemistry - A European Journal</i> , 2006 , 12, 1114-20	4.8	93
282	Activation of snake venom metalloproteinases by a cysteine switch-like mechanism. <i>FEBS Letters</i> , 1993 , 335, 76-80	3.8	92
281	Photocontrolled folding and unfolding of a collagen triple helix. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7015-8	16.4	88
280	Isomorphous replacement of cystine with selenocystine in endothelin: oxidative refolding, biological and conformational properties of [Sec3,Sec11,Nle7]-endothelin-1. <i>Journal of Molecular Biology</i> , 1998 , 284, 779-92	6.5	88
279	Design of anti- and pro-aggregation variants to assess the effects of methionine oxidation in human prion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7756-61	11.5	87
278	Disulfide-Bridged Heterotrimeric Collagen Peptides Containing the Collagenase Cleavage Site of Collagen Type I. Synthesis and Conformational Properties. <i>Journal of the American Chemical Society</i> , 1999 , 121, 653-661	16.4	83
277	Light-triggered beta-hairpin folding and unfolding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15729-34	11.5	82
276	Design and synthesis of heterotrimeric collagen peptides with a built-in cystine-knot. Models for collagen catabolism by matrix-metalloproteases. <i>FEBS Letters</i> , 1996 , 398, 31-6	3.8	82
275	Synthetic biology of proteins: tuning GFPs folding and stability with fluoroproline. <i>PLoS ONE</i> , 2008 , 3, e1680	3.7	81
274	Redox potential of azobenzene as an amino acid residue in peptides. <i>ChemBioChem</i> , 2007 , 8, 591-4	3.8	78
273	Practical aspects of the 2D 15N-[1h]-NOE experiment. <i>Journal of Biomolecular NMR</i> , 2002 , 23, 23-33	3	76
272	Toward the experimental codon reassignment in vivo: protein building with an expanded amino acid repertoire. <i>FASEB Journal</i> , 1999 , 13, 41-51	0.9	75
271	Atomic mutations at the single tryptophan residue of human recombinant annexin V: effects on structure, stability, and activity. <i>Biochemistry</i> , 1999 , 38, 10649-59	3.2	74
270	Redox potentials of active-site bis(cysteinylyl) fragments of thiol-protein oxidoreductases. <i>Biochemistry</i> , 1993 , 32, 7488-95	3.2	74
269	Photomodulation of conformational states. Synthesis of cyclic peptides with backbone-azobenzene moieties. <i>Journal of Peptide Science</i> , 1999 , 5, 519-29	2.1	72

- 268 The core structure of TMC-95A is a promising lead for reversible proteasome inhibition. *Angewandte Chemie - International Edition*, **2002**, 41, 780-3 16.4 71
- 267 Arginine 336 and asparagine 333 of the human cholecystokinin-A receptor binding site interact with the penultimate aspartic acid and the C-terminal amide of cholecystokinin. *Journal of Biological Chemistry*, **1999**, 274, 20457-64 5.4 71
- 266 TMC-95-based inhibitor design provides evidence for the catalytic versatility of the proteasome. *Chemistry and Biology*, **2006**, 13, 607-14 70
- 265 Degradation of cholecystokinin octapeptide, related fragments and analogs by human and rat plasma in vitro. *Regulatory Peptides*, **1982**, 4, 127-39 70
- 264 Global replacement of tryptophan with aminotryptophans generates non-invasive protein-based optical pH sensors. *Angewandte Chemie - International Edition*, **2002**, 41, 4066-9 16.4 69
- 263 Met-195 of the cholecystokinin-A receptor interacts with the sulfated tyrosine of cholecystokinin and is crucial for receptor transition to high affinity state. *Journal of Biological Chemistry*, **1998**, 273, 14380-6 5.4 69
- 262 Synthesis of Boron-Rich Lysine Dendrimers as Protein Labels in Electron Microscopy. *Angewandte Chemie International Edition in English*, **1996**, 35, 909-911 69
- 261 The disulfide-coupled folding pathway of apamin as derived from diselenide-quenched analogs and intermediates. *Protein Science*, **1999**, 8, 1605-13 6.3 68
- 260 The substrate translocation channel of the proteasome. *Biochimie*, **2001**, 83, 325-32 4.6 67
- 259 1-(tert-butylthio)-1,2-hydrazinedicarboxylic acid derivatives. New reagents for the introduction of the S-tert-butylthio group into cysteine and cysteine derivatives. *Hoppe-Seyler's Zeitschrift für Physiologische Chemie*, **1982**, 363, 1461-4 67
- 258 Photomodulation of conformational states. I. Mono- and bicyclic peptides with (4-amino)phenylazobenzoic acid as backbone constituent. *Biopolymers*, **2000**, 54, 489-500 2.2 66
- 257 Synthesis and conformational analysis of apamin analogues with natural and non-natural cysteine/selenocysteine connectivities. *Biopolymers*, **2000**, 53, 550-64 2.2 65
- 256 The persisting challenge of selective and specific proteasome inhibition. *Journal of Peptide Science*, **2009**, 15, 58-66 2.1 60
- 255 Bioincorporation of telluromethionine into proteins: a promising new approach for X-ray structure analysis of proteins. *Journal of Molecular Biology*, **1997**, 270, 616-23 6.5 59
- 254 Preparation of Selenoinsulin as a Long-Lasting Insulin Analogue. *Angewandte Chemie - International Edition*, **2017**, 56, 5522-5526 16.4 58
- 253 Photocontrol of cell adhesion processes: model studies with cyclic azobenzene-RGD peptides. *Chemistry and Biology*, **2003**, 10, 487-90 57
- 252 Bifunctional inhibitors of the trypsin-like activity of eukaryotic proteasomes. *Chemistry and Biology*, **1999**, 6, 197-204 57
- 251 Enkephalin regulates the levels of cyclic nucleotides in neuroblastoma x glioma hybrid cells. *Nature*, **1976**, 262, 311-3 50.4 57

250	Identification of two amino acids of the human cholecystokinin-A receptor that interact with the N-terminal moiety of cholecystokinin. <i>Journal of Biological Chemistry</i> , 1997 , 272, 2920-6	5.4	56
249	Synthesis of selenocysteine peptides and their oxidation to diselenide-bridged compounds 1997 , 3, 442-453		56
248	Conformational properties of 4-mercaptoproline and related derivatives. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2143-6	16.4	55
247	The role of cystine knots in collagen folding and stability, part II. Conformational properties of (Pro-Hyp-Gly) _n model trimers with N- and C-terminal collagen type III cystine knots. <i>Chemistry - A European Journal</i> , 2003 , 9, 3703-14	4.8	55
246	Sarcophilin, the shorter homologue of phospholamban, forms oligomeric structures in detergent micelles and in liposomes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30845-52	5.4	55
245	Photomodulation of conformational states. II. Mono- and bicyclic peptides with (4-aminomethyl)phenylazobenzoic acid as backbone constituent. <i>Biopolymers</i> , 2000 , 54, 501-14	2.2	55
244	Preferred conformation of endomorphin-1 in aqueous and membrane-mimetic environments. <i>Journal of Molecular Biology</i> , 1999 , 291, 163-75	6.5	54
243	Peptidyl prolyl cis/trans-isomerases: comparative reactivities of cyclophilins, FK506-binding proteins, and parvulins with fluorinated oligopeptide and protein substrates. <i>Biochemistry</i> , 2005 , 44, 16026-34	3.2	53
242	The biologically crucial C terminus of cholecystokinin and the non-peptide agonist SR-146,131 share a common binding site in the human CCK1 receptor. Evidence for a crucial role of Met-121 in the activation process. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7546-55	5.4	52
241	The influence of secretin, glucagon and other peptides, of amino acids, prostaglandin endoperoxide analogues and diazepam on the level of adenosine 3',5'-cyclic monophosphate in neuroblastoma x glioma hybrid cells. <i>Journal of Neurochemistry</i> , 1979 , 32, 1495-500	6	52
240	Zur Synthese von Cholecystokinin-Pankreozymin. Darstellung von [28-Threonin, 31-Norleucin]- und [28-Threonin, 31-Leucin] Cholecystokinin-Pankreozymin-(25-33)-nonapeptid. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1981 , 362, 929-942		52
239	Synthesis of single- and multiple-stranded cystine-rich peptides. <i>Biopolymers</i> , 2005 , 80, 85-97	2.2	51
238	Intervesicle cross-linking with integrin alpha IIb beta 3 and cyclic-RGD-lipopeptide. A model of cell-adhesion processes. <i>Biochemistry</i> , 2000 , 39, 12284-94	3.2	51
237	Arginine 197 of the cholecystokinin-A receptor binding site interacts with the sulfate of the peptide agonist cholecystokinin. <i>Protein Science</i> , 1999 , 8, 2347-54	6.3	50
236	Synthesis of a TMC-95A ketomethylene analogue by cyclization via intramolecular Suzuki coupling. <i>Organic Letters</i> , 2003 , 5, 3435-7	6.2	50
235	Polymer-tethered membranes as quantitative models for the study of integrin-mediated cell adhesion. <i>Soft Matter</i> , 2007 , 3, 333-336	3.6	49
234	Structural properties of a collagenous heterotrimer that mimics the collagenase cleavage site of collagen type I. <i>Journal of Molecular Biology</i> , 2002 , 319, 1235-42	6.5	49
233	Cyclodextrin as Carrier of Peptide Hormones. Conformational and Biological Properties of Cyclodextrin/Gastrin Constructs. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7030-7038	16.4	48

232	A (4R)- or a (4S)-fluoroproline residue in position Xaa of the (Xaa-Yaa-Gly) collagen repeat severely affects triple-helix formation. <i>ChemBioChem</i> , 2004 , 5, 79-86	3.8	47
231	Photoresponsive cyclic bis(cysteiny)lpeptides as catalysts of oxidative protein folding. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 289-92	16.4	47
230	Bivalent inhibition of human beta-tryptase. <i>Chemistry and Biology</i> , 2001 , 8, 313-27		47
229	The chain register in heterotrimeric collagen peptides affects triple helix stability and folding kinetics. <i>Journal of Molecular Biology</i> , 2002 , 324, 309-18	6.5	47
228	Mutation of Asn-391 within the conserved NPXXY motif of the cholecystokinin B receptor abolishes Gq protein activation without affecting its association with the receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17321-7	5.4	46
227	Structural and spectral response of <i>Aequorea victoria</i> green fluorescent proteins to chromophore fluorination. <i>Biochemistry</i> , 2005 , 44, 3663-72	3.2	45
226	Towards New Protein Engineering: In Vivo Building and Folding of Protein Shuttles for Drug Delivery and Targeting by the Selective Pressure Incorporation (SPI) Method. <i>Tetrahedron</i> , 2000 , 56, 9431-9442	2.4	45
225	Incorporation of beta-selenolo[3,2-b]pyrrolyl-alanine into proteins for phase determination in protein X-ray crystallography. <i>Journal of Molecular Biology</i> , 2001 , 309, 925-36	6.5	45
224	Fluoroproline als Werkzeuge für gezieltes Proteindesign. <i>Angewandte Chemie</i> , 2001 , 113, 949-951	3.6	44
223	Atomic mutations in annexin V--thermodynamic studies of isomorphous protein variants. <i>FEBS Journal</i> , 1998 , 253, 1-9		43
222	Binding mode of TMC-95A analogues to eukaryotic 20S proteasome. <i>ChemBioChem</i> , 2004 , 5, 1256-66	3.8	43
221	E-64 analogues as inhibitors of cathepsin B. On the role of the absolute configuration of the epoxysuccinyl group. <i>Bioorganic and Medicinal Chemistry</i> , 1997 , 5, 1789-97	3.4	42
220	Structure of malonic acid-based inhibitors bound to human neutrophil collagenase. A new binding mode explains apparently anomalous data. <i>Protein Science</i> , 1998 , 7, 1303-9	6.3	42
219	Modeled structure of a G-protein-coupled receptor: the cholecystokinin-1 receptor. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 180-91	8.3	42
218	Molecular structure of the cyanobacterial tumor-promoting microcystins. <i>FEBS Letters</i> , 1994 , 349, 319-23	3.8	42
217	Synthetic heterotrimeric collagen peptides as mimics of cell adhesion sites of the basement membrane. <i>Biopolymers</i> , 2004 , 76, 34-47	2.2	41
216	Lichtgesteuerte Faltung und Entfaltung einer Collagen-Tripelhelix. <i>Angewandte Chemie</i> , 2006 , 118, 7170-7173	3.7	40
215	TMC-95A analogues with endocyclic biphenyl ether group as proteasome inhibitors. <i>Chemistry and Biodiversity</i> , 2004 , 1, 161-73	2.5	40

214	A new probe for affinity labelling pancreatic cholecystokinin receptor with minor modification of its structure. <i>FEBS Journal</i> , 1989 , 185, 397-403		40
213	Evidence for a direct interaction between the penultimate aspartic acid of cholecystokinin and histidine 207, located in the second extracellular loop of the cholecystokinin B receptor. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23191-7	5.4	39
212	20S proteasome inhibition: designing noncovalent linear peptide mimics of the natural product TMC-95A. <i>ChemMedChem</i> , 2010 , 5, 1701-5	3.7	38
211	Substrate/propeptide-derived endo-epoxysuccinyl peptides as highly potent and selective cathepsin B inhibitors. <i>FEBS Letters</i> , 1998 , 421, 80-2	3.8	38
210	Proteins with beta-(thienopyrrolyl)alanines as alternative chromophores and pharmaceutically active amino acids. <i>Protein Science</i> , 2001 , 10, 1281-92	6.3	38
209	N,N,S-di-tert-butoxycarbonyl-1H-benzotriazole-1-carboxamide derivatives are highly reactive guanidylating reagents. <i>Organic Letters</i> , 2001 , 3, 3859-61	6.2	38
208	Synthetic biology of protein folding. <i>ChemPhysChem</i> , 2010 , 11, 1181-7	3.2	37
207	Design of benzamidine-type inhibitors of factor Xa. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 4240-50	8.3	37
206	Design and synthesis of malonic acid-based inhibitors of human neutrophil collagenase (MMP8). <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 339-45	8.3	37
205	A new α -helical motif in membrane active peptides. <i>Neurochemistry International</i> , 1991 , 18, 525-34	4.4	37
204	Incorporation of integrins into artificial planar lipid membranes: characterization by plasmon-enhanced fluorescence spectroscopy. <i>Analytical Biochemistry</i> , 2004 , 333, 216-24	3.1	36
203	Redox-active cyclic bis(cysteiny)lpeptides as catalysts for in vitro oxidative protein folding. <i>Chemistry and Biology</i> , 2002 , 9, 731-40		36
202	Studies of the local conformational properties of the cell-adhesion domain of collagen type IV in synthetic heterotrimeric peptides. <i>Biochemistry</i> , 2003 , 42, 3429-36	3.2	36
201	Toward semisynthetic lipoproteins by convergent strategies based on click and ligation chemistry. <i>ChemBioChem</i> , 2005 , 6, 625-8	3.8	36
200	Heterotrimeric collagen peptides as fluorogenic collagenase substrates: synthesis, conformational properties, and enzymatic digestion. <i>Biochemistry</i> , 2000 , 39, 5111-6	3.2	36
199	Binding and docking of synthetic heterotrimeric collagen type IV peptides with α 1 β 1 integrin. <i>ChemBioChem</i> , 2002 , 3, 904-7	3.8	35
198	Photomodulation of conformational states. III. Water-soluble bis-cysteiny-l-peptides with (4-aminomethyl) phenylazobenzoic acid as backbone constituent. <i>Biopolymers</i> , 2002 , 63, 382-93	2.2	35
197	Synthesis of beta-(1-azulenyl)-L-alanine as a potential blue-colored fluorescent tryptophan analog and its use in peptide synthesis. <i>Journal of Peptide Science</i> , 2000 , 6, 139-44	2.1	35

- 196 On the synthesis of (2S)-aziridine-2-carboxylic acid containing peptides. *Tetrahedron*, **1994**, 50, 1717-1730.4 35
- 195 Conformational analysis of a IgG1 hinge peptide derivative in solution determined by NMR spectroscopy and refined by restrained molecular dynamics simulations. *Biopolymers*, **1991**, 31, 1189-204²⁻² 35
- 194 Peptides related to beta-lipotropin with opioid activity. Effects on levels of adenosine 355 cyclic monophosphate in neuroblastoma x glioma hybrid cells. *FEBS Letters*, **1977**, 77, 28-32 3.8 35
- 193 Structure of cholecystokinin receptor binding sites and mechanism of activation/inactivation by agonists/antagonists. *Basic and Clinical Pharmacology and Toxicology*, **2002**, 91, 313-20 34
- 192 Enantioselective synthesis of S-o-carboranylalanine via methylated bislactim ethers of 2,5-diketopiperazines. *Tetrahedron*, **1995**, 51, 1187-1196 2.4 34
- 191 Crystal structure of NS-134 in complex with bovine cathepsin B: a two-headed epoxysuccinyl inhibitor extends along the entire active-site cleft. *Biochemical Journal*, **2004**, 381, 511-7 3.8 33
- 190 Noninvasive tracing of recombinant proteins with "fluorophenylalanine-fingers". *Analytical Biochemistry*, **2000**, 284, 29-34 3.1 33
- 189 Redox-active bis-cysteinyl peptides. I. Synthesis of cyclic cystinyl peptides by conventional methods in solution and on solid supports. *Biopolymers*, **1994**, 34, 1553-62 2.2 33
- 188 Enkephalin evokes biochemical correlates of opiate tolerance and dependence in neuroblastoma x glioma hybrid cells. *FEBS Letters*, **1976**, 68, 38-40 3.8 33
- 187 Studies on cytochrome c. Part II. Synthesis of the protected heptapeptide (sequence 1703) of Baker's yeast iso-1-cytochrome c. *Biopolymers*, **1973**, 12, 493-505 2.2 33
- 186 Insulin-From its Discovery to the Industrial Synthesis of Modern Insulin Analogues. *Angewandte Chemie - International Edition*, **2017**, 56, 10656-10669 16.4 31
- 185 Comparison of a Monte Carlo Strategy with a Combined DG/MDSA Method for Structure Determination of Bicyclic Peptides. *Journal of Molecular Modeling*, **1999**, 5, 287-295 2 31
- 184 Photomodulierung der Konformation cyclischer Peptide mit Azobenzol-Bausteinen im Peptidrückgrat. *Angewandte Chemie*, **1999**, 111, 2941-2943 3.6 31
- 183 Zur Totalsynthese von Cholecystokinin-Pankreozym. Darstellung des verknüpfungsfähigen Schlüsselfragments der Sequenz 2403. *Hoppe-Seyler's Zeitschrift für Physiologische Chemie*, **1981**, 362, 143-152 31
- 182 Photocontrol of the collagen triple helix: synthesis and conformational characterization of bis-cysteinyl collagenous peptides with an azobenzene clamp. *Chemistry - A European Journal*, **2007**, 13, 2966-73 4.8 30
- 181 The glycoprotein NOWA and minicollagens are part of a disulfide-linked polymer that forms the cnidarian nematocyst wall. *Journal of Biological Chemistry*, **2004**, 279, 52016-23 5.4 29
- 180 Navigation inside a protease: substrate selection and product exit in the tricorn protease from *Thermoplasma acidophilum*. *Journal of Molecular Biology*, **2002**, 324, 1041-50 6.5 29
- 179 Beta-cyclodextrin/epoxysuccinyl peptide conjugates: a new drug targeting system for tumor cells. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 677-80 2.9 29

178	Zur Synthese von Human-Little-Gastrin-I und dessen Leucin-15-, Norleucin-15- und Methoxinin-15-Analoga. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1983 , 364, 157-172		29
177	The role of cystine knots in collagen folding and stability, part I. Conformational properties of (Pro-Hyp-Gly) ₅ and (Pro-(4S)-FPro-Gly) ₅ model trimers with an artificial cystine knot. <i>Chemistry - A European Journal</i> , 2003 , 9, 3692-702	4.8	28
176	Structural characterization of hellethionins from <i>Helleborus purpurascens</i> . <i>Biochemistry</i> , 2003 , 42, 2404-31	3.1	28
175	A new method to determine the structure of the metal environment in metalloproteins: investigation of the prion protein octapeptide repeat Cu(2+) complex. <i>European Biophysics Journal</i> , 2005 , 34, 97-112	1.9	28
174	Structural plasticity and noncovalent substrate binding in the GroEL apical domain. A study using electrospray ionization mass spectrometry and fluorescence binding studies. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33115-26	5.4	28
173	A New Efficient Synthesis of Acetyltelluro- and Acetylselenomethionine and Their Use in the Biosynthesis of Heavy-Atom Protein Analogs. <i>Journal of the American Chemical Society</i> , 1996 , 118, 913-914	16.4	28
172	Molecular mechanism underlying partial and full agonism mediated by the human cholecystokinin-1 receptor. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10664-74	5.4	27
171	Interaction of S-protein with S-peptide and with synthetic S-peptide analogs. A spectroscopic and calorimetric investigation. <i>Biochemistry</i> , 1972 , 11, 50-7	3.2	27
170	Conformational preferences of Leu-enkephalin in reverse micelles as membrane-mimicking environment. <i>Biopolymers</i> , 1997 , 41, 591-606	2.2	26
169	The structure of the Cys-rich terminal domain of Hydra minicollagen, which is involved in disulfide networks of the nematocyst wall. <i>Journal of Biological Chemistry</i> , 2004 , 279, 30395-401	5.4	26
168	Light-triggered aggregation and disassembly of amyloid-like structures. <i>ChemPhysChem</i> , 2011 , 12, 559-63	3.2	25
167	On the Synthesis of Phosphoramidate Peptides. <i>Journal of Organic Chemistry</i> , 1994 , 59, 6144-6146	4.2	25
166	Relation between structure and function in some partially synthetic ribonucleases SSI. Kinetic determinations. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1972 , 257, 210-21		25
165	The configuration of the Cu ²⁺ binding region in full-length human prion protein. <i>European Biophysics Journal</i> , 2007 , 36, 239-52	1.9	24
164	A conformational two-state peptide model system containing an ultrafast but soft light switch. <i>Biophysical Journal</i> , 2006 , 90, 2099-108	2.9	24
163	Toward a high-resolution structure of phospholamban: design of soluble transmembrane domain mutants. <i>Biochemistry</i> , 2000 , 39, 6825-31	3.2	24
162	Heterotrimeric collagen peptides containing functional epitopes. Synthesis of single-stranded collagen type I peptides related to the collagenase cleavage site. <i>Journal of Peptide Science</i> , 1999 , 5, 103-10	2.1	24
161	Single proline residues can dictate the oxidative folding pathways of cysteine-rich peptides. <i>Journal of Molecular Biology</i> , 2006 , 358, 846-56	6.5	23

160	A new strategy for regioselective interstrand disulfide bridging of multiple cysteine peptides. <i>Tetrahedron Letters</i> , 1999 , 40, 1487-1490	2	23
159	Isomerization- and temperature-jump-induced dynamics of a photoswitchable β hairpin. <i>Chemistry - A European Journal</i> , 2014 , 20, 694-703	4.8	22
158	Copper binding and conformation of the N-terminal octarepeats of the prion protein in the presence of DPC micelles as membrane mimetic. <i>Biopolymers</i> , 2007 , 88, 840-7	2.2	22
157	The two cysteine-rich head domains of minicollagen from Hydra nematocysts differ in their cystine framework and overall fold despite an identical cysteine sequence pattern. <i>Journal of Molecular Biology</i> , 2005 , 354, 591-600	6.5	22
156	Synthesis of heterotrimeric collagen peptides containing the $\alpha 1\beta 1$ integrin recognition site of collagen type IV. <i>Journal of Peptide Science</i> , 2002 , 8, 192-204	2.1	22
155	Identification of tyrosine 189 and asparagine 358 of the cholecystokinin 2 receptor in direct interaction with the crucial C-terminal amide of cholecystokinin by molecular modeling, site-directed mutagenesis, and structure/affinity studies. <i>Molecular Pharmacology</i> , 2003 , 63, 973-82	4.3	22
154	Photomodulation of conformational states. IV. Integrin-binding RGD-peptides with (4-aminomethyl)phenylazobenzoic acid as backbone constituent. <i>Biopolymers</i> , 2005 , 77, 304-13	2.2	22
153	Fully synthetic immunogens. Part I. Kinetic studies on air oxidation of the human IgG1 bis-cysteinylyl fragment 225-232. <i>Tetrahedron</i> , 1990 , 46, 3305-3314	2.4	22
152	Studies on cytochrome c. Part I. Synthesis of the protected hexadecapeptide (sequence 106) of Baker's Yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 477-492	2.2	22
151	Folding and unfolding of light-triggered β hairpin model peptides. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5219-26	3.4	21
150	Cyclic hexapeptides related to somatostatin. Conformational analysis employing $^1\text{H-NMR}$ and molecular dynamics. <i>International Journal of Peptide and Protein Research</i> , 1990 , 36, 418-32		21
149	Macrocyclic statine-based inhibitors of BACE-1. <i>ChemBioChem</i> , 2007 , 8, 2078-91	3.8	21
148	Fluoroprolines as Tools for Protein Design and Engineering We thank Mrs. E. Weyher for skillful technical assistance in spectroscopic analyses and Mrs. W. Wenger for her excellent technical assistance in protein preparation. We are indebted to Dr. R. Golbik for providing us with barstar plasmid and protocols for its isolation and purification. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 923-925	16.4	21
147	Effective inhibition of experimental metastasis and prolongation of survival in mice by a potent factor Xa-specific synthetic serine protease inhibitor with weak anticoagulant activity. <i>Thrombosis and Haemostasis</i> , 2005 , 94, 1084-93	7	20
146	Synthesis of bivalent inhibitors of eucaryotic proteasomes. <i>Journal of Peptide Science</i> , 2000 , 6, 36-46	2.1	20
145	Peptide hormone-membrane interactions. Intervesicular transfer of lipophilic gastrin derivatives to artificial membranes and their bioactivities. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993 , 1145, 235-42	3.8	20
144	Relation between structure and function in some partially synthetic ribonucleases SS Enzymic and spectroscopic investigation on [Orn10, Asn14]-RNase SS and 1epsilon, 7epsilon, 10delta-triguanidino-[Orn10, Asn14]-RNase SS <i>FEBS Journal</i> , 1975 , 52, 65-76		20
143	On the Mechanism of Hormone Recognition and Binding by the CCK-B/Gastrin Receptor 1997 , 3, 1-14		19

142	Natural and artificial cystine knots for assembly of homo- and heterotrimeric collagen models. <i>Antioxidants and Redox Signaling</i> , 2008 , 10, 113-25	8.4	19
141	Regulation of neuronal nitric-oxide synthase activity by somatostatin analogs following SST5 somatostatin receptor activation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19156-71	5.4	19
140	A conserved tyrosine in the neck of a fungal kinesin regulates the catalytic motor core. <i>EMBO Journal</i> , 2003 , 22, 450-8	13	19
139	Calpastatin exon 1B-derived peptide, a selective inhibitor of calpain: enhancing cell permeability by conjugation with penetratin. <i>Biological Chemistry</i> , 2003 , 384, 395-402	4.5	19
138	Characterization and optimization of two-chain folding pathways of insulin via native chain assembly. <i>Communications Chemistry</i> , 2018 , 1,	6.3	18
137	Following the energy transfer in and out of a polyproline-peptide. <i>Biopolymers</i> , 2013 , 100, 38-50	2.2	18
136	Das Redoxpotential von Selenocystin in konformativ nicht eingeschränkten cyclischen Peptiden. <i>Angewandte Chemie</i> , 1997 , 109, 915-917	3.6	18
135	Konformationseigenschaften des 4-Mercaptoprolins und verwandter Derivate. <i>Angewandte Chemie</i> , 2008 , 120, 2174-2177	3.6	18
134	Micellar environments induce structuring of the N-terminal tail of the prion protein. <i>Biopolymers</i> , 2004 , 73, 421-33	2.2	18
133	Das Grundgerüst von TMC-95A als mögliche Leitstruktur für reversible Proteasominhibitoren. <i>Angewandte Chemie</i> , 2002 , 114, 817-820	3.6	18
132	Environmental mimic of receptor interaction: conformational analysis of CCK-15 in solution. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 762-9	8.3	18
131	Interactions of benzodiazepine derivatives with annexins. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2885-94	5.4	18
130	A convenient synthesis of optically pure (2R, 3R)-2, 3- Epoxysuccinyl - dipeptides. <i>Tetrahedron</i> , 1994 , 50, 8381-8392	2.4	17
129	Redox-active bis-cysteinyl peptides. II. Comparative study on the sequence-dependent tendency for disulfide loop formation. <i>Biopolymers</i> , 1994 , 34, 1563-72	2.2	17
128	Evidence for a direct and functional interaction between the regulators of G protein signaling-2 and phosphorylated C terminus of cholecystinin-2 receptor. <i>Molecular Pharmacology</i> , 2009 , 75, 502-13	4.3	16
127	Structural properties and photophysical behavior of conformationally constrained hexapeptides functionalized with a new fluorescent analog of tryptophan and a nitroxide radical quencher. <i>Biopolymers</i> , 2004 , 75, 128-39	2.2	16
126	Photoschaltbare cyclische Bis(cysteinyl)peptide katalysieren die oxidative Proteinfaltung. <i>Angewandte Chemie</i> , 2002 , 114, 299-302	3.6	16
125	Exogenous CCK and gastrin stimulate pancreatic exocrine secretion via CCK-A but also via CCK-B/gastrin receptors in the calf. <i>Pflugers Archiv European Journal of Physiology</i> , 1999 , 438, 86-93	4.6	16

124	Cysteine racemization in peptide synthesis: a new and easy detection method. <i>Journal of Peptide Science</i> , 1996 , 2, 271-5	2.1	16
123	Lipophilic derivatization and its effect on the interaction of cholecystokinin (CCK) nonapeptide with phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993 , 1151, 111-9	3.8	16
122	Pharmacological and biochemical characterization of cholecystokinin/gastrin receptors in developing rat pancreas. Age-related expression of distinct receptor glycoforms. <i>FEBS Journal</i> , 1992 , 204, 273-9		16
121	Fluorameisensäure-1-adamantylester, ein neues Reagenz zur Einführung der 1-Adamantylloxycarbonyl-Schutzgruppe. <i>Hoppe-Seyler's Zeitschrift Für Physiologische Chemie</i> , 1976 , 357, 1647-1650		16
120	Idiotypic vaccine for treatment of human B-cell lymphoma. Construction of IgG variable regions from single malignant B cells. <i>Human Immunology</i> , 1997 , 56, 17-27	2.3	15
119	Crystallographic evidence for isomeric chromophores in 3-fluorotyrosyl-green fluorescent protein. <i>ChemBioChem</i> , 2004 , 5, 720-2	3.8	15
118	An oligopeptide doubly labelled with an azulene chromophore and a TEMPO radical. Azulene triplet generation by enhanced ISC from S2. <i>Chemical Physics Letters</i> , 2004 , 385, 362-367	2.5	15
117	Studies on immunoassays of peptide factors. II. Fluorescence enzyme immunoassay for human little-gastrin. <i>Biological Chemistry Hoppe-Seyler</i> , 1987 , 368, 831-8		15
116	Relaxation time prediction for a light switchable peptide by molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 6204-18	3.6	14
115	Mapping of ligand binding sites of the cholecystokinin-B/gastrin receptor with lipo-gastrin peptides and molecular modeling. <i>Biopolymers</i> , 1997 , 41, 799-817	2.2	14
114	The configuration of the Cu(2+) binding region in full-length human prion protein compared with the isolated octapeptide. <i>Veterinary Microbiology</i> , 2007 , 123, 358-66	3.3	14
113	Photoresponsive dendritic azobenzene peptides. <i>ChemBioChem</i> , 2001 , 2, 542-9	3.8	14
112	Bis-substituted malonic acid hydroxamate derivatives as inhibitors of human neutrophil collagenase (MMP8). <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 3041-7	8.3	14
111	Synthese Bor-reicher Lysindendrimere zur Proteinmarkierung in der Elektronenmikroskopie. <i>Angewandte Chemie</i> , 1996 , 108, 970-973	3.6	14
110	Synthetic immunogens. The effect of the conformational space on biological and immunological responses to dimeric hormone constructs. <i>FEBS Journal</i> , 1993 , 212, 325-33		14
109	Preparation of Selenoinsulin as a Long-Lasting Insulin Analogue. <i>Angewandte Chemie</i> , 2017 , 129, 5614-5618		13
108	Multiple loop conformations of peptides predicted by molecular dynamics simulations are compatible with nuclear magnetic resonance. <i>Biochemistry</i> , 2005 , 44, 4829-40	3.2	13
107	Nichtinvasive Transformation von Proteinen in optische pH-Sensoren durch Austausch von Tryptophan gegen Aminotryptophan. <i>Angewandte Chemie</i> , 2002 , 114, 4238-4242	3.6	13

106	Photomodulation of the Redox and Folding Adjuvant Properties of Bis(cysteiny)l Peptides. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 2144	3.2	13
105	The G-protein-coupled CCK2 receptor associates with phospholipase Cgamma1. <i>FEBS Letters</i> , 2004 , 568, 89-93	3.8	13
104	Enzyme immunoassay with captured hapten. A sensitive gastrin assay with biotinyl-gastrin derivatives. <i>Biological Chemistry Hoppe-Seyler</i> , 1991 , 372, 163-72		13
103	Receptor occupancy and adenylate cyclase activation in rat liver and heart membranes by 10 glucagon analogs modified in position 2,3, 4, 25, 27 and/or 29. <i>Regulatory Peptides</i> , 1988 , 21, 117-28		13
102	Structure-function studies on gastrointestinal hormones. <i>Bioorganic Chemistry</i> , 1980 , 9, 27-54	5.1	13
101	Effect of Nin-formylation of the tryptophan residue on gastrin (HG-13) binding and on gastric acid secretion. <i>European Journal of Pharmacology</i> , 1982 , 77, 11-6	5.3	13
100	Studies on cytochrome c. 8. Synthesis of the protected hexadecapeptide (sequence 93-108) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 729-50	2.2	13
99	Conformational and molecular modeling studies of beta-cyclodextrin-heptagastrin and the third extracellular loop of the cholecystokinin 2 receptor. <i>Biochemistry</i> , 2004 , 43, 2724-31	3.2	12
98	Synthesis and conformational characterization of peptides related to the neck domain of a fungal kinesin. <i>Journal of Peptide Science</i> , 2003 , 9, 203-11	2.1	12
97	Conformational and biological properties of the Ala10 analogue of human des-Trp1,Nle12-minigastrin. <i>Biochemistry</i> , 1989 , 28, 7182-8	3.2	12
96	Studies on cytochrome c. X. Synthesis of N-benzyloxycarbonyl-[Thr107]-dotetracontapeptide (sequence 67-108) of baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1975 , 14, 2061-2074	2.2	11
95	A new cell-permeable calpain inhibitor. <i>Journal of Peptide Science</i> , 2007 , 13, 70-3	2.1	10
94	(R)-3-Amidinophenylalanine-derived inhibitors of factor Xa with a novel active-site binding mode. <i>Biological Chemistry</i> , 2002 , 383, 1185-91	4.5	10
93	Conformational and molecular modeling studies of sulfated cholecystokinin-15. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 1053-9	3.4	10
92	Structure of two microcystins: Refinement with nuclear overhauser effects and ensemble calculations. <i>Biopolymers</i> , 1995 , 36, 811-828	2.2	10
91	Synthesis of human [15-norleucine]little-gastrin-II and des-1-tryptophan-[12-norleucine]minigastrin-II. <i>Biological Chemistry Hoppe-Seyler</i> , 1987 , 368, 1363-72		10
90	One-step isocratic high-performance liquid chromatographic purification of radioiodinated and radioiodinated-photoactivable derivatives of cholecystokinin. <i>Journal of Chromatography A</i> , 1984 , 296, 199-211	4.5	10
89	Studies on cytochrome c. XI. Circular dichroism studies on synthetic peptides related to the C-terminal region of baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1975 , 14, 2075-2093	2.2	10

88	Studies on cytochrome c. VI. Synthesis of the protected pentadecapeptide (sequence 64-81) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 701-20	2.2	10
87	Time-resolved infrared studies of the unfolding of a light triggered hairpin peptide. <i>Chemical Physics</i> , 2018 , 512, 116-121	2.3	9
86	Oligopresentation of protease inhibitors with cyclodextrin as template. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 2507-2512	2.9	9
85	Convenient syntheses of homopropargylglycine. <i>Journal of Peptide Science</i> , 2008 , 14, 1148-50	2.1	9
84	Conformation-dependent side reactions in interstrand-disulfide bridging of trimeric collagenous peptides by regioselective cysteine chemistry. <i>Journal of Peptide Science</i> , 2002 , 8, 205-10	2.1	9
83	Functional cholecystokinin receptors are distinguished kinetically by biotinyl-Tyr-Gly-(Thr28,Nle31)CCK(25-33) in rat pancreatic acini. <i>BBA - Proteins and Proteomics</i> , 1991 , 1080, 181-90		9
82	Synthetic immunogens. Part IV: Conformational studies on gastrin conjugates with the human immunoglobulin G1 hinge peptide 225-232/225S232S <i>Biopolymers</i> , 1991 , 31, 595-604	2.2	9
81	Synthesis of the porcine intestinal peptide PHI and its 24-glutamine analogue. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1983 , 364, 1563-84		9
80	Synthetic peptides related to the entire sequence of yeast iso-1-cytochrome C. <i>Biopolymers</i> , 1972 , 11, 2191-4	2.2	9
79	Kinetic and conformational studies on some partially synthetic ribonuclease S analogues modified in position 8. <i>International Journal of Peptide and Protein Research</i> , 1977 , 10, 27-38		8
78	Cyclic hexapeptides related to somatostatin. Synthesis and biological testing. <i>International Journal of Peptide and Protein Research</i> , 1990 , 36, 401-17		8
77	Characterization of the macrocyclic carbon suboxide factors as potent Na,K-ATPase and SR Ca-ATPase inhibitors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002 , 1567, 213-20	3.8	8
76	Circular Dichroism Study on Fully Bioactive CCK-Peptides of Increasing Chain Length. <i>Zeitschrift Für Naturforschung - Section B Journal of Chemical Sciences</i> , 1993 , 48, 1419-1430	1	8
75	Synthesis of 1,2-Di-O-acyl-3-thioglycerols for Lipid Modification of Peptides and Proteins. <i>Synthesis</i> , 1990 , 1990, 889-892	2.9	8
74	Exocrine pancreatic secretion in response to a new CCK-analog, CCK33 and caerulein in dogs. <i>Regulatory Peptides</i> , 1984 , 8, 291-6		8
73	Amyloid-Like Structures Formed by Azobenzene Peptides: Light-Triggered Disassembly. <i>Spectroscopy</i> , 2012 , 27, 387-391		7
72	Protein iodination by click chemistry. <i>ChemBioChem</i> , 2009 , 10, 1149-51	3.8	7
71	Two-chain insulin from a single-chain branched depsipeptide precursor: the end of a long journey. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7624-6	16.4	7

70	Non-peptidic cysteine derivatives as inhibitors of matrix metalloproteinases. <i>Biological Chemistry</i> , 1997 , 378, 1475-80	4.5	7
69	Infrared studies of small azobenzene peptides: unexpectedly slow reactions on the time range of minutes. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 10481-6	3.4	7
68	Analytical solution to the Lipari-Szabo model based on the reduced spectral density approximation offers a novel protocol for extracting motional parameters. <i>Journal of Magnetic Resonance</i> , 2001 , 151, 32-9	3	7
67	Temperature- and Photocontrolled Unfolding/Folding of a Triple-Helical Azobenzene-Stapled Collagen Peptide Monitored by Infrared Spectroscopy. <i>ChemPhysChem</i> , 2016 , 17, 1314-20	3.2	7
66	Site-directed spin labeling of a collagen mimetic peptide. <i>Chemistry - A European Journal</i> , 2013 , 19, 17672-82	4.2	6
65	Tailoring the Cis-Trans Isomerization of Amides 2006 , 225-259		6
64	Peptide/benzodiazepine hybrids as ligands of CCK(A) and CCK(B) receptors. <i>Biopolymers</i> , 2000 , 56, 55-76	6.2	6
63	Urethanyl-3-amidinophenylalanine derivatives as inhibitors of factor Xa. X-ray crystal structure of a trypsin/inhibitor complex and modeling studies. <i>Biological Chemistry</i> , 2000 , 381, 321-9	4.5	6
62	Synthesis of thiol-functionalized N-acetylmuramyl peptide congeners suitable for their conjugation to target molecules. <i>Biological Chemistry Hoppe-Seyler</i> , 1989 , 370, 365-75		6
61	Studies on cytochrome c. VII. Synthesis of the protected undecapeptide (sequence 82-92) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 721-8	2.2	6
60	Induction and detection of anti-peptide antibody specificity is critically affected by the mode of hapten presentation. <i>Biological Chemistry Hoppe-Seyler</i> , 1992 , 373, 315-21		5
59	A new reagent for the preparation of glycoconjugates. <i>Biological Chemistry Hoppe-Seyler</i> , 1988 , 369, 381-5		5
58	Zur Synthese von Human-Big-Gastrin I und seinem 32-Leucin-Analogen 3. Mitteilung: Darstellung der allseits geschützten Gesamtsequenzen. <i>Monatshefte Für Chemie</i> , 1979 , 110, 1407-1428	1.4	5
57	Somatostatin-28: a conformational analysis. <i>Biopolymers</i> , 1981 , 20, 1741-5	2.2	5
56	Near-ultraviolet difference absorption and circular dichroism studies on partially synthetic ribonucleases SS <i>Nucleic Acids and Protein Synthesis</i> , 1976 , 454, 514-23		5
55	Far-ultraviolet difference absorption and circular dichroism studies on partially synthetic ribonucleases SS <i>Nucleic Acids and Protein Synthesis</i> , 1976 , 454, 524-38		5
54	Untersuchungen über Cytochrom c, IX1) Eine neue Synthese der Sequenz 93-101 des Iso-I-cytochroms c aus Bäckerhefe. <i>Justus Liebigs Annalen Der Chemie</i> , 1974 , 1974, 213-224		5
53	Insulin von seiner Entdeckung bis zur industriellen Synthese moderner Insulin-Analoga. <i>Angewandte Chemie</i> , 2017 , 129, 10794-10808	3.6	4

52	Lipogastrins as potent inhibitors of viral fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997 , 1327, 259-68	3.8	4
51	Synthesis of TMC-95A analogues. Structure-based prediction of cyclization propensities of linear precursors. <i>International Journal of Peptide Research and Therapeutics</i> , 2002 , 9, 65-70		4
50	Studies of protein folding and structure with model peptides. <i>Journal of Peptide Science</i> , 2005 , 11, 258-61.	1.1	4
49	Conformational analysis of bioactive peptides in reverse micelles as mimics of cell membrane environments. <i>International Journal of Peptide Research and Therapeutics</i> , 1995 , 1, 171-177		4
48	Metal ion binding affinities of gastrin and CCK in membrane mimetic environments. <i>Journal of Peptide Science</i> , 1995 , 1, 360-70	2.1	4
47	Identification and characterization of microcystin-LY from <i>Microcystis aeruginosa</i> (strain 298). <i>Biological Chemistry Hoppe-Seyler</i> , 1993 , 374, 635-40		4
46	Immunomodulating activity of 1,2-difattyacyl-3-mercaptoglycerol adducts. <i>Biological Chemistry Hoppe-Seyler</i> , 1992 , 373, 1085-94		4
45	Synthesis of cholecystokinin-related peptides and their biological properties. <i>Biological Chemistry Hoppe-Seyler</i> , 1989 , 370, 317-21		4
44	Synthesis of [8-norleucine]somatostatin-28. <i>Hoppe-Seyler's Zeitschrift Für Physiologische Chemie</i> , 1982 , 363, 1247-51		4
43	Studies on cytochrome c. Part IV. Synthesis of the protected dodecapeptide (sequence 45B6) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 521-534	2.2	4
42	Studies on ribonuclease S: the role of lysine-7 for activation of S-protein. <i>International Journal of Peptide and Protein Research</i> , 1974 , 6, 419-34		3
41	STUDIES ON CYTOCHROME C.: <i>International Journal of Peptide and Protein Research</i> , 2009 , 10, 81-88		3
40	Synthesis of β -dehydrotryptophan by reaction of indole with the α -(N-methylamino)dehydroalanine derivative. <i>Tetrahedron Letters</i> , 1998 , 39, 1381-1384	2	3
39	Primed-site Probing of Papain-like Cysteine Proteases. <i>International Journal of Peptide Research and Therapeutics</i> , 2007 , 13, 93-104	2.1	3
38	Collagen Mimics: Synthesis and Properties of Disulfide-Bridged Trimeric Collagen Peptides. <i>ACS Symposium Series</i> , 2002 , 103-116	0.4	3
37	Benzotriazonine as a new core structure for the design of CCK-receptor antagonists. <i>Journal of Peptide Science</i> , 1999 , 5, 155-8	2.1	3
36	Synthesis and Crystal Structure of Benzyl (β -(2S)-1-trityl-2-aziridinecarboxylate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1993 , 48, 1146-1148	1	3
35	Muramyl-peptide/gastrin conjugates as potential immunogens. <i>Biological Chemistry Hoppe-Seyler</i> , 1989 , 370, 1209-14		3

34	On the hypothetical protein F154 of the TTV1 virus from <i>Thermoproteus tenax</i> . Part III: Immunological identification of the protein with anti-peptide antibodies. <i>Biological Chemistry Hoppe-Seyler</i> , 1990 , 371, 43-8		3
33	Zur Synthese von Human-Big-Gastrin I und seinem 32-Leucin-Analogen 2. Mitteilung: Darstellung der Teilsequenzen 914 und 18. <i>Monatshefte für Chemie</i> , 1979 , 110, 1317-1330	1.4	3
32	N alpha-Glycosylgastrin-related peptides. Synthesis, characterization and biological activity. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1982 , 363, 813-8		3
31	Studies on cytochrome c. Part III. Synthesis of the protected heneicosapeptide (sequence 2444) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 507-520	2.2	3
30	Studies on cytochrome c. V. Synthesis of the protected decapeptide (sequence 57-66) of Baker's yeast iso-1-cytochrome c. <i>Biopolymers</i> , 1973 , 12, 693-700	2.2	3
29	Redox potentials and conformational properties of bis-cysteinyll fragments related to the active sites of thiol-protein oxidoreductases 1993 , 523-524		3
28	Zweikettiges Insulin aus einer einkettigen, verzweigten Depsipeptidvorstufe [das Ende einer langen Reise. <i>Angewandte Chemie</i> , 2010 , 122, 7788-7790	3.6	2
27	Zur Synthese von Human-Big-Gastrin I und seinem 32-Leucin-Analogen 1. Mitteilung: Darstellung der Teilsequenzen 2884, 2307, 2102 und 1500. <i>Monatshefte für Chemie</i> , 1979 , 110, 1301-1315	1.4	2
26	Inhibition of the cytochrome c/cytochrome c oxidase system by cytochrome c derivatives and related fragments. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1980 , 361, 1077-91		2
25	Totalsynthese von Somatostatin-28. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1981 , 362, 697-716		2
24	Energy transfer along a poly(Pro) - peptide. <i>Springer Series in Chemical Physics</i> , 2009 , 529-531	0.3	2
23	Homotrimeric collagen peptides as model systems for cell adhesion studies. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 295-6	3.6	2
22	Application of the Principle of Polyvalency to Protease Inhibition 395-417		2
21	Research on MMP Inhibitors with Unusual Scaffolds 2001 , 223-243		1
20	A New Method for the Selective Synthesis of Unsymmetrical Cystine Peptides 1983 , 183-188		1
19	Gastrin and Cholecystokinin 1986 , 255-280		1
18	NMR-Based Studies of a Collagenous Substrate of Collagenase 2001 , 355-356		1
17	Synthesis of selenocysteine peptides and their oxidation to diselenide-bridged compounds 1997 , 3, 442		1

- 16 Light-switchable folding/unfolding of the collagen triple helix with azobenzene-containing model peptides. *Advances in Experimental Medicine and Biology*, **2009**, 611, 57-9 3.6
- 15 Microcystins and nodularins hepatotoxic cyclic peptides of cyanobacterial origin. *Studies in Natural Products Chemistry*, **1997**, 20, 887-920 1.5
- 14 Peptides in the Days of Photonics **2006**, 17-21
- 13 The Two Cysteine-rich Head Domains of Minicollagen from Hydra Nematocysts Differ in their Cystine Framework and Overall Fold despite an Identical Cysteine Sequence Pattern **2006**, 667-668
- 12 Murray Goodman (1928-2004): Peptidchemie. *Angewandte Chemie*, **2004**, 116, 3712-3712 3.6
- 11 Synthesis of TMC-95A analogues. Structure-based prediction of cyclization propensities of linear precursors. *International Journal of Peptide Research and Therapeutics*, **2002**, 9, 65-70
- 10 Human IgG1 Hinge-Fragment as a Core Structure for Immunogens. *Studies in Natural Products Chemistry*, **1995**, 907-969 1.5
- 9 Potential Bioactive Conformations of Hormones of the Gastrin Family. *Studies in Natural Products Chemistry*, **1995**, 819-873 1.5
- 8 TOTAL SYNTHESIS OF SOMATOSTATIN-28 **1982**, 249-258
- 7 Cyclodextrin for presentation of bioactive peptides to molecular recognition **2002**, 202-209
- 6 Heterotrimeric collagen peptides as substrates of metalloproteinases **2002**, 339-341
- 5 Structural Basis for Selective Binding of Integrins to Extracellular Matrix **2001**, 814-815
- 4 Interaction of 7-azatryptophan and beta-(1-azulenyl)-alanine with a nitroxyl radical. *Advances in Experimental Medicine and Biology*, **2003**, 527, 731-7 3.6
- 3 Femtosecond Spectroscopy for the Study of Initial Reactions in Protein folding **2006**, 311-320
- 2 Expression of conformational vs. sequential epitopes in hormones of the gastrin family **1993**, 813-814
- 1 Photodynamics of a Collagen Model Peptide. *Springer Series in Chemical Physics*, **2009**, 583-585 0.3