

Luis Moroder

List of Publications by Year in Descending Order

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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	Time-resolved infrared studies of the unfolding of a light triggered Hairpin peptide. <i>Chemical Physics</i> , 2018 , 512, 116-121	2.3	9
302	Characterization and optimization of two-chain folding pathways of insulin via native chain assembly. <i>Communications Chemistry</i> , 2018 , 1,	6.3	18
301	Preparation of Selenoinsulin as a Long-Lasting Insulin Analogue. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5522-5526	16.4	58
300	Preparation of Selenoinsulin as a Long-Lasting Insulin Analogue. <i>Angewandte Chemie</i> , 2017 , 129, 5614-5618	16.4	13
299	Insulin-From its Discovery to the Industrial Synthesis of Modern Insulin Analogues. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10656-10669	16.4	31
298	Insulin Von seiner Entdeckung bis zur industriellen Synthese moderner Insulin-Analoga. <i>Angewandte Chemie</i> , 2017 , 129, 10794-10808	3.6	4
297	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
296	Isomerization- and temperature-jump-induced dynamics of a photoswitchable Hairpin. <i>Chemistry - A European Journal</i> , 2014 , 20, 694-703	4.8	22
295	Following the energy transfer in and out of a polyproline-peptide. <i>Biopolymers</i> , 2013 , 100, 38-50	2.2	18
294	Site-directed spin labeling of a collagen mimetic peptide. <i>Chemistry - A European Journal</i> , 2013 , 19, 17679-82	2.2	6
293	Amyloid-Like Structures Formed by Azobenzene Peptides: Light-Triggered Disassembly. <i>Spectroscopy</i> , 2012 , 27, 387-391		7
292	Light-triggered aggregation and disassembly of amyloid-like structures. <i>ChemPhysChem</i> , 2011 , 12, 559-632	3.2	25
291	Folding and unfolding of light-triggered Hairpin model peptides. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5219-26	3.4	21
290	Relaxation time prediction for a light switchable peptide by molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 6204-18	3.6	14
289	20S proteasome inhibition: designing noncovalent linear peptide mimics of the natural product TMC-95A. <i>ChemMedChem</i> , 2010 , 5, 1701-5	3.7	38
288	Synthetic biology of protein folding. <i>ChemPhysChem</i> , 2010 , 11, 1181-7	3.2	37
287	Zweikettiges Insulin aus einer einkettigen, verzweigten Depsipeptidvorstufe Das Ende einer langen Reise. <i>Angewandte Chemie</i> , 2010 , 122, 7788-7790	3.6	2

286	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
285	Evidence for a direct and functional interaction between the regulators of G protein signaling-2 and phosphorylated C terminus of cholecystokinin-2 receptor. <i>Molecular Pharmacology</i> , 2009 , 75, 502-13	4.3	16
284	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
283	Light-switchable folding/unfolding of the collagen triple helix with azobenzene-containing model peptides. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 57-9	3.6	
282	STUDIES ON CYTOCHROME C.: <i>International Journal of Peptide and Protein Research</i> , 2009 , 10, 81-88		3
281	Protein iodination by click chemistry. <i>ChemBioChem</i> , 2009 , 10, 1149-51	3.8	7
280	The persisting challenge of selective and specific proteasome inhibition. <i>Journal of Peptide Science</i> , 2009 , 15, 58-66	2.1	60
279	Energy transfer along a poly(Pro) - peptide. <i>Springer Series in Chemical Physics</i> , 2009 , 529-531	0.3	2
278	Photodynamics of a Collagen Model Peptide. <i>Springer Series in Chemical Physics</i> , 2009 , 583-585	0.3	
277	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
276	Iodoacetamide-induced artifact mimics ubiquitination in mass spectrometry. <i>Nature Methods</i> , 2008 , 5, 459-60	21.6	237
275	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
274	Synthetic biology of proteins: tuning GFPs folding and stability with fluoroproline. <i>PLoS ONE</i> , 2008 , 3, e1680	3.7	81
273	Convenient syntheses of homopropargylglycine. <i>Journal of Peptide Science</i> , 2008 , 14, 1148-50	2.1	9
272	Conformational properties of 4-mercapto proline and related derivatives. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2143-6	16.4	55
271	Konformationseigenschaften des 4-Mercaptoprolins und verwandter Derivate. <i>Angewandte Chemie</i> , 2008 , 120, 2174-2177	3.6	18
270	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
269	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

268	Redox potential of azobenzene as an amino acid residue in peptides. <i>ChemBioChem</i> , 2007 , 8, 591-4	3.8	78
267	Macrocyclic statine-based inhibitors of BACE-1. <i>ChemBioChem</i> , 2007 , 8, 2078-91	3.8	21
266	Photocontrol of the collagen triple helix: synthesis and conformational characterization of bis-cysteinyl collagenous peptides with an azobenzene clamp. <i>Chemistry - A European Journal</i> , 2007 , 13, 2966-73	4.8	30
265	A new cell-permeable calpain inhibitor. <i>Journal of Peptide Science</i> , 2007 , 13, 70-3	2.1	10
264	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
263	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
262	Primed-site Probing of Papain-like Cysteine Proteases. <i>International Journal of Peptide Research and Therapeutics</i> , 2007 , 13, 93-104	2.1	3
261	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
260	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
259	A photocontrolled beta-hairpin peptide. <i>Chemistry - A European Journal</i> , 2006 , 12, 1114-20	4.8	93
258	Azobenzene as conformational switch in model peptides. <i>ChemBioChem</i> , 2006 , 7, 868-78	3.8	229
257	Photocontrolled folding and unfolding of a collagen triple helix. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7015-8	16.4	88
256	Lichtgesteuerte Faltung und Entfaltung einer Collagen-Tripelhelix. <i>Angewandte Chemie</i> , 2006 , 118, 7170-7173	3.7	40
255	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
254	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
253	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
252	Peptides in the Days of Photonics 2006 , 17-21		
251	Tailoring the Cis-Trans Isomerization of Amides 2006 , 225-259		6

250	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		
249	TMC-95-based inhibitor design provides evidence for the catalytic versatility of the proteasome. <i>Chemistry and Biology</i> , 2006 , 13, 607-14		70
248	Femtosecond Spectroscopy for the Study of Initial Reactions in Protein folding 2006 , 311-320		
247	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
246	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
245	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
244	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
243	Structural and spectral response of Aequorea victoria green fluorescent proteins to chromophore fluorination. <i>Biochemistry</i> , 2005 , 44, 3663-72	3.2	45
242	Synthesis of single- and multiple-stranded cystine-rich peptides. <i>Biopolymers</i> , 2005 , 80, 85-97	2.2	51
241	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
240	Toward semisynthetic lipoproteins by convergent strategies based on click and ligation chemistry. <i>ChemBioChem</i> , 2005 , 6, 625-8	3.8	36
239	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
238	Isosteric replacement of sulfur with other chalcogens in peptides and proteins. <i>Journal of Peptide Science</i> , 2005 , 11, 187-214	2.1	144
237	Studies of protein folding and structure with model peptides. <i>Journal of Peptide Science</i> , 2005 , 11, 258-61.1		4
236	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
235	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
234	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
233	The glycoprotein NOWA and minicollagens are part of a disulfide-linked polymer that forms the cnidarian nematocyst wall. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52016-23	5.4	29

232	TMC-95A analogues with endocyclic biphenyl ether group as proteasome inhibitors. <i>Chemistry and Biodiversity</i> , 2004 , 1, 161-73	2.5	40
231	Synthetic heterotrimeric collagen peptides as mimics of cell adhesion sites of the basement membrane. <i>Biopolymers</i> , 2004 , 76, 34-47	2.2	41
230	Micellar environments induce structuring of the N-terminal tail of the prion protein. <i>Biopolymers</i> , 2004 , 73, 421-33	2.2	18
229	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
228	Murray Goodman (1928-2004): Peptidchemie. <i>Angewandte Chemie</i> , 2004 , 116, 3712-3712	3.6	
227	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
226	Crystallographic evidence for isomeric chromophores in 3-fluorotyrosyl-green fluorescent protein. <i>ChemBioChem</i> , 2004 , 5, 720-2	3.8	15
225	Binding mode of TMC-95A analogues to eukaryotic 20S proteasome. <i>ChemBioChem</i> , 2004 , 5, 1256-66	3.8	43
224	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
223	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
222	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
221	The G-protein-coupled CCK2 receptor associates with phospholipase Cgamma1. <i>FEBS Letters</i> , 2004 , 568, 89-93	3.8	13
220	Crystal structure of NS-134 in complex with bovine cathepsin B: a two-headed epoxysuccinyl inhibitor extends along the entire active-site cleft. <i>Biochemical Journal</i> , 2004 , 381, 511-7	3.8	33
219	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
218	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
217	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
216	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
215	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

214	Photocontrol of cell adhesion processes: model studies with cyclic azobenzene-RGD peptides. <i>Chemistry and Biology</i> , 2003 , 10, 487-90		57
213	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
212	Single Molecule Force Spectroscopy of Azobenzene Polymers: Switching Elasticity of Single Photochromic Macromolecules. <i>Macromolecules</i> , 2003 , 36, 2015-2023	5.5	108
211	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
210	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
209	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
208	Synthesis of a TMC-95A ketomethylene analogue by cyclization via intramolecular Suzuki coupling. <i>Organic Letters</i> , 2003 , 5, 3435-7	6.2	50
207	Structural characterization of hellethionins from <i>Helleborus purpurascens</i> . <i>Biochemistry</i> , 2003 , 42, 2404-31	3.1	28
206	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
205	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
204	Interaction of 7-azatryptophan and beta-(1-azulenyl)-alanine with a nitroxyl radical. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 527, 731-7	3.6	
203	Photoschaltbare cyclische Bis(cysteinyll)peptide katalysieren die oxidative Proteinfaltung. <i>Angewandte Chemie</i> , 2002 , 114, 299-302	3.6	16
202	Das Grundgerüst von TMC-95A als mögliche Leitstruktur für reversible Proteasominhibitoren. <i>Angewandte Chemie</i> , 2002 , 114, 817-820	3.6	18
201	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
200	Photoresponsive cyclic bis(cysteinyll)peptides as catalysts of oxidative protein folding. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 289-92	16.4	47
199	The core structure of TMC-95A is a promising lead for reversible proteasome inhibition. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 780-3	16.4	71
198	Global replacement of tryptophan with aminotryptophans generates non-invasive protein-based optical pH sensors. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4066-9	16.4	69
197	Photomodulation of the Redox and Folding Adjuvant Properties of Bis(cysteinyll) Peptides. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 2144	3.2	13

196	Binding and docking of synthetic heterotrimeric collagen type IV peptides with alpha1beta1 integrin. <i>ChemBioChem</i> , 2002 , 3, 904-7	3.8	35
195	Photomodulation of conformational states. III. Water-soluble bis-cysteinyl-peptides with (4-aminomethyl) phenylazobenzoic acid as backbone constituent. <i>Biopolymers</i> , 2002 , 63, 382-93	2.2	35
194	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		
193	Structure of cholecystokinin receptor binding sites and mechanism of activation/inactivation by agonists/antagonists. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002 , 91, 313-20		34
192	Redox-active cyclic bis(cysteinyl)peptides as catalysts for in vitro oxidative protein folding. <i>Chemistry and Biology</i> , 2002 , 9, 731-40		36
191	Synthesis of heterotrimeric collagen peptides containing the alpha1beta1 integrin recognition site of collagen type IV. <i>Journal of Peptide Science</i> , 2002 , 8, 192-204	2.1	22
190	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
189	Practical aspects of the 2D 15N-[1h]-NOE experiment. <i>Journal of Biomolecular NMR</i> , 2002 , 23, 23-33	3	76
188	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
187	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
186	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
185	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
184	(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
183	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
182	Collagen Mimics: Synthesis and Properties of Disulfide-Bridged Trimeric Collagen Peptides. <i>ACS Symposium Series</i> , 2002 , 103-116	0.4	3
181	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
180	Conformational and molecular modeling studies of sulfated cholecystokinin-15. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 1053-9	3.4	10
179	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

178	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
177	Navigation inside a protease: substrate selection and product exit in the tricorn protease from <i>Thermoplasma acidophilum</i> . <i>Journal of Molecular Biology</i> , 2002 , 324, 1041-50	6.5	29
176	Single-molecule optomechanical cycle. <i>Science</i> , 2002 , 296, 1103-6	33.3	707
175	β-Cyclodextrin for presentation of bioactive peptides to molecular recognition 2002 , 202-209		
174	Heterotrimeric collagen peptides as substrates of metalloproteinases 2002 , 339-341		
173	Proteins with beta-(thienopyrrolyl)alanines as alternative chromophores and pharmaceutically active amino acids. <i>Protein Science</i> , 2001 , 10, 1281-92	6.3	38
172	Bivalent inhibition of human beta-tryptase. <i>Chemistry and Biology</i> , 2001 , 8, 313-27		47
171	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
170	Photoresponsive dendritic azobenzene peptides. <i>ChemBioChem</i> , 2001 , 2, 542-9	3.8	14
169	Fluoroproline als Werkzeuge für gezieltes Proteindesign. <i>Angewandte Chemie</i> , 2001 , 113, 949-951	3.6	44
168	Fluoroprolines as Tools for Protein Design and Engineering. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 923-925	16.4	171
167	Sarcolipin, 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
166	Research on MMP Inhibitors with Unusual Scaffolds 2001 , 223-243		1
165	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
164	The substrate translocation channel of the proteasome. <i>Biochimie</i> , 2001 , 83, 325-32	4.6	67
163	N,N,S-di-tert-butoxycarbonyl-1H-benzotriazole-1-carboxamidine derivatives are highly reactive guanidinyllating reagents. <i>Organic Letters</i> , 2001 , 3, 3859-61	6.2	38
162	Structural Basis for Selective Binding of Integrins to Extracellular Matrix 2001 , 814-815		
161	NMR-Based Studies of a Collagenous Substrate of Collagenase 2001 , 355-356		1

160	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> , 2000 , 39, 111-114	16.4	21
159	Synthesis and conformational analysis of apamin analogues with natural and non-natural cystine/selenocystine connectivities. <i>Biopolymers</i> , 2000 , 53, 550-64	2.2	65
158	Synthesis of bivalent inhibitors of eucaryotic proteasomes. <i>Journal of Peptide Science</i> , 2000 , 6, 36-46	2.1	20
157	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
156	Peptide/benzodiazepine hybrids as ligands of CCK(A) and CCK(B) receptors. <i>Biopolymers</i> , 2000 , 56, 55-76	2.2	6
155	Photomodulation of conformational states. I. Mono- and bicyclic peptides with (4-amino)phenylazobenzoic acid as backbone constituent. <i>Biopolymers</i> , 2000 , 54, 489-500	2.2	66
154	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
153	Noninvasive tracing of recombinant proteins with "fluorophenylalanine-fingers". <i>Analytical Biochemistry</i> , 2000 , 284, 29-34	3.1	33
152	Beta-cyclodextrin/epoxysuccinyl peptide conjugates: a new drug targeting system for tumor cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000 , 10, 677-80	2.9	29
151	A gated channel into the proteasome core particle. <i>Nature Structural Biology</i> , 2000 , 7, 1062-7		641
150	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
149	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
148	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
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2	Synthetic peptides related to the entire sequence of yeast iso-1-cytochrome C. <i>Biopolymers</i> , 1972 , 11, 2191-4	2.2	9
1	Application of the Principle of Polyvalency to Protease Inhibition		2