Marie-Isabel Aguilar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2506838/publications.pdf

Version: 2024-02-01

167 papers	6,333 citations	50244 46 h-index	85498 71 g-index
175 all docs	175 docs citations	175 times ranked	8085 citing authors

#	Article	IF	Citations
1	Multi-Omic Analysis to Characterize Metabolic Adaptation of the E. coli Lipidome in Response to Environmental Stress. Metabolites, 2022, 12, 171.	1.3	9
2	Mutually Exclusive Interactions of Rifabutin with Spatially Distinct Mycobacterial Cell Envelope Membrane Layers Offer Insights into Membrane-Centric Therapy of Infectious Diseases. ACS Bio & Med Chem Au, 2022, 2, 395-408.	1.7	5
3	The impact of antibacterial peptides on bacterial lipid membranes depends on stage of growth. Faraday Discussions, 2021, 232, 399-418.	1.6	10
4	Self-assembly of trifunctional tripeptides to form neural scaffolds. Journal of Materials Chemistry B, 2021, 9, 4475-4479.	2.9	10
5	An Active Site Inhibitor Induces Conformational Penalties for ACE2 Recognition by the Spike Protein of SARS-CoV-2. Journal of Physical Chemistry B, 2021, 125, 2533-2550.	1.2	24
6	Using conformational constraints at position 6 of Angiotensin II to generate compounds with enhanced AT2R selectivity and proteolytic stability. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128086.	1.0	1
7	Staphylococcus aureus entanglement in self-assembling Î²-peptide nanofibres decorated with vancomycin. Nanoscale Advances, 2021, 3, 2607-2616.	2.2	6
8	Biomaterial Strategies for Restorative Therapies in Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 4224-4235.	1.7	7
9	Esterase-Mediated Sustained Release of Peptide-Based Therapeutics from a Self-Assembled Injectable Hydrogel. ACS Applied Materials & Interfaces, 2021, 13, 58279-58290.	4.0	11
10	The use of bioactive matrices in regenerative therapies for traumatic brain injury. Acta Biomaterialia, 2020, 102, 1-12.	4.1	17
11	Enhancement of glioblastoma multiforme therapy through a novel Quercetin-Losartan hybrid. Free Radical Biology and Medicine, 2020, 160, 391-402.	1.3	16
12	Effects of Rationally Designed Physico-Chemical Variants of the Peptide PuroA on Biocidal Activity towards Bacterial and Mammalian Cells. International Journal of Molecular Sciences, 2020, 21, 8624.	1.8	8
13	The Effect of Charge on Melittin-Induced Changes in Membrane Structure and Morphology. Australian Journal of Chemistry, 2020, 73, 195.	0.5	3
14	A two-dimensional metallosupramolecular framework design based on coordination crosslinking of helical oligoamide nanorods. Materials Advances, 2020, 1, 1134-1141.	2.6	3
15	Exosome trapping and enrichment using a sound wave activated nano-sieve (SWANS). Lab on A Chip, 2020, 20, 3633-3643.	3.1	29
16	Single Peptide Backbone Surrogate Mutations to Regulate Angiotensin GPCR Subtype Selectivity. Chemistry - A European Journal, 2020, 26, 10690-10694.	1.7	7
17	Transition of Nano-Architectures Through Self-Assembly of Lipidated Î²3-Tripeptide Foldamers. Frontiers in Chemistry, 2020, 8, 217.	1.8	13
18	Renal functional effects of the highly selective AT2R agonist, Î²-Pro7 Ang III, in normotensive rats. Clinical Science, 2020, 134, 871-884.	1.8	15

#	Article	IF	Citations
19	Peptidomimetic Modulators of BACE1. Australian Journal of Chemistry, 2020, 73, 366.	0.5	1
20	A comment by Prof. Mibel Aguilarâ€"2018 recipient of the Australian Society for Biophysicsâ€™ McAulay-Hope Prize for Original Biophysics. Biophysical Reviews, 2019, 11, 271-272.	1.5	1
21	The role of bacterial lipid diversity and membrane properties in modulating antimicrobial peptide activity and drug resistance. Current Opinion in Chemical Biology, 2019, 52, 85-92.	2.8	62
22	Migration and Differentiation of Neural Stem Cells Diverted From the Subventricular Zone by an Injectable Self-Assembling Î²-Peptide Hydrogel. Frontiers in Bioengineering and Biotechnology, 2019, 7, 315.	2.0	31
23	Self-assembling injectable peptide hydrogels for emerging treatment of ischemic stroke. Journal of Materials Chemistry B, 2019, 7, 3927-3943.	2.9	19
24	Novel Materials From the Supramolecular Self-Assembly of Short Helical Î²3-Peptide Foldamers. Frontiers in Chemistry, 2019, 7, 70.	1.8	34
25	Effect of phosphatidylcholine bilayer thickness and molecular order on the binding of the antimicrobial peptide maculatin 1.1. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 300-309.	1.4	20
26	Î²³-Tripeptides Coassemble into Fluorescent Hydrogels for Serial Monitoring in Vivo. ACS Biomaterials Science and Engineering, 2018, 4, 3843-3847.	2.6	18
27	The use of hydrogels for cell-based treatment of chronic kidney disease. Clinical Science, 2018, 132, 1977-1994.	1.8	16
28	Identifying the Coiled-Coil Triple Helix Structure of Î²-Peptide Nanofibers at Atomic Resolution. ACS Nano, 2018, 12, 9101-9109.	7.3	28
29	Exploring Molecular-Biomembrane Interactions with Surface Plasmon Resonance and Dual Polarization Interferometry Technology: Expanding the Spotlight onto Biomembrane Structure. Chemical Reviews, 2018, 118, 5392-5487.	23.0	61
30	Î²3-tripeptides act as sticky ends to self-assemble into a bioscaffold. APL Bioengineering, 2018, 2, 026104.	3.3	20
31	Î"â€MyrtoxinâMp1a is a Helical Heterodimer from the Venom of the Jack Jumper Ant that has Antimicrobial, MembraneâDisrupting, and Nociceptive Activities. Angewandte Chemie - International Edition, 2017, 56, 8495-8499.	7.2	28
32	Shortened Penetratin Cell-Penetrating Peptide Is Insufficient for Cytosolic Delivery of a Grb7 Targeting Peptide. ACS Omega, 2017, 2, 670-677.	1.6	21
33	Î"â€MyrtoxinâMp1a is a Helical Heterodimer from the Venom of the Jack Jumper Ant that has Antimicrobial, MembraneâDisrupting, and Nociceptive Activities. Angewandte Chemie, 2017, 129, 8615-8619.	1.6	1
34	Quantitative Detection of Weak D Antigen Variants in Blood Typing using SPR. Scientific Reports, 2017, 7, 1616.	1.6	13
35	A versatile and rapid coating method via a combination of plasma polymerization and surfaceâinitiated SETâLRP for the fabrication of lowâfouling surfaces. Journal of Polymer Science Part A, 2017, 55, 2527-2536.	2.5	12
36	Unique Functional Materials Derived from Î²-Amino Acid Oligomers. Australian Journal of Chemistry, 2017, 70, 126.	0.5	6

#	Article	IF	Citations
37	Mitochondrial outer membrane permeabilization: a focus on the role of mitochondrial membrane structural organization. Biophysical Reviews, 2017, 9, 443-457.	1.5	62
38	Anti-fibrotic Potential of AT2 Receptor Agonists. Frontiers in Pharmacology, 2017, 8, 564.	1.6	58
39	Preparation and Characterization of Supported Lipid Bilayers for Biomolecular Interaction Studies by Dual Polarization Interferometry. Advances in Biomembranes and Lipid Self-Assembly, 2017, 25, 125-159.	0.3	1
40	Using Î²-Amino Acids and Î²-Peptide Templates to Create Bioactive Ligands and Biomaterials. Current Pharmaceutical Design, 2017, 23, 3772-3785.	0.9	18
41	Examination of the Interaction between a Membrane Active Peptide and Artificial Bilayers by Dual Polarisation Interferometry. Bio-protocol, 2017, 7, e2087.	0.2	2
42	Self-assembled nanomaterials based on beta (Î²³) tetrapeptides. Nanotechnology, 2016, 27, 135606.	1.3	16
43	Duffy blood group (Fya & Fyb) analysis using surface plasmon resonance. Biomedical Microdevices, 2016, 18, 101.	1.4	3
44	Orthogonal strategy for the synthesis of dual-functionalised Î²³-peptide based hydrogels. Chemical Communications, 2016, 52, 5844-5847.	2.2	29
45	The impact of cell-penetrating peptides on membrane bilayer structure during binding and insertion. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1841-1849.	1.4	10
46	Decorated self-assembling Î²³-tripeptide foldamers form cell adhesive scaffolds. Chemical Communications, 2016, 52, 4549-4552.	2.2	29
47	Development of a Î¼O-Conotoxin Analogue with Improved Lipid Membrane Interactions and Potency for the Analgesic Sodium Channel NaV1.8. Journal of Biological Chemistry, 2016, 291, 11829-11842.	1.6	37
48	The plant defensin NaD1 introduces membrane disorder through a specific interaction with the lipid, phosphatidylinositol 4,5 bisphosphate. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1099-1109.	1.4	52
49	A self-assembling Î²-peptide hydrogel for neural tissue engineering. Soft Matter, 2016, 12, 2243-2246.	1.2	74
50	Î²-Pro7Ang III is a novel highly selective angiotensin II type 2 receptor (AT2R) agonist, which acts as a vasodepressor agent via the AT2R in conscious spontaneously hypertensive rats. Clinical Science, 2015, 129, 505-513.	1.8	34
51	Helix 8 of the angiotensin- II type 1A receptor interacts with phosphatidylinositol phosphates and modulates membrane insertion. Scientific Reports, 2015, 5, 9972.	1.6	12
52	Antimicrobial Peptide Structure and Mechanism of Action: A Focus on the Role of Membrane Structure. Current Topics in Medicinal Chemistry, 2015, 16, 25-39.	1.0	313
53	Quantitative blood group typing using surface plasmon resonance. Biosensors and Bioelectronics, 2015, 73, 79-84.	5.3	21
54	New insights into the molecular mechanisms of biomembrane structural changes and interactions by optical biosensor technology. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1868-1885.	1.4	36

#	Article	IF	Citations
55	Amino acid sequence controls the self-assembled superstructure morphology of N-acetylated tri-Î²³-peptides. Pure and Applied Chemistry, 2015, 87, 1021-1028.	0.9	23
56	Proline-15 creates an amphipathic wedge in maculatin 1.1 peptides that drives lipid membrane disruption. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2277-2289.	1.4	24
57	Structural determinants for binding to angiotensin converting enzyme 2 (ACE2) and angiotensin receptors 1 and 2. Frontiers in Pharmacology, 2015, 6, 5.	1.6	17
58	Geometrically Precise Building Blocks: the Self-Assembly of Î²-Peptides. Chemistry and Biology, 2015, 22, 1417-1423.	6.2	67
59	Supramolecular self-assembly of 14-helical nanorods with tunable linear and dendritic hierarchical morphologies. New Journal of Chemistry, 2015, 39, 3280-3287.	1.4	26
60	Single Î²3-amino acid substitutions to MOG peptides suppress the development of experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2014, 277, 67-76.	1.1	9
61	Peptides Derived from the Transmembrane Domain of Bcl-2 Proteins as Potential Mitochondrial Priming Tools. ACS Chemical Biology, 2014, 9, 1799-1811.	1.6	17
62	Comparison of reversible membrane destabilisation induced by antimicrobial peptides derived from Australian frogs. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2205-2215.	1.4	20
63	Real-time Measurement of Membrane Conformational States Induced by Antimicrobial Peptides: Balance Between Recovery and Lysis. Scientific Reports, 2014, 4, 5479.	1.6	58
64	Structural effects of the antimicrobial peptide maculatin 1.1 on supported lipid bilayers. European Biophysics Journal, 2013, 42, 47-59.	1.2	45
65	Supramolecular Selfâ€Assembly of Nâ€Acetylâ€Capped Î²â€Peptides Leads to Nanoâ€to Macroscale Fiber Formation. Angewandte Chemie - International Edition, 2013, 52, 8266-8270.	7.2	71
66	Proline Facilitates Membrane Insertion of the Antimicrobial Peptide Maculatin 1.1 via Surface Indentation and Subsequent Lipid Disordering. Biophysical Journal, 2013, 104, 1495-1507.	0.2	52
67	Combined Mass and Structural Kinetic Analysis of Multistate Antimicrobial Peptideâ€“Membrane Interactions. Analytical Chemistry, 2013, 85, 9296-9304.	3.2	20
68	Conformational stability studies of a stapled hexa-Î²3-peptide library. Organic and Biomolecular Chemistry, 2012, 10, 1802.	1.5	15
69	Characterization of Early Stage Intermediates in the Nucleation Phase of AÎ² Aggregation. Biochemistry, 2012, 51, 1070-1078.	1.2	26
70	Targeting preâ€mRNA splicing: a BACEâ€ic strategy for AD drug development?. Journal of Neurochemistry, 2012, 121, 695-696.	2.1	0
71	Gly6 of kalata B1 is critical for the selective binding to phosphatidylethanolamine membranes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2354-2361.	1.4	16
72	Conformational Changes of Î±-Lactalbumin Adsorbed at Oilâ€“Water Interfaces: Interplay between Protein Structure and Emulsion Stability. Langmuir, 2012, 28, 2357-2367.	1.6	71

#	Article	IF	Citations
73	Conformational changes to deamidated wheat gliadins and Î²-casein upon adsorption to oilâ€“water emulsion interfaces. Food Hydrocolloids, 2012, 27, 91-101.	5.6	92
74	Surface Plasmon Resonance Spectroscopy: A New Lead in Studying the Membrane Binding of Amyloidogenic Transthyretin. Methods in Molecular Biology, 2011, 752, 215-228.	0.4	1
75	Revisiting Î²-Casein as a Stabilizer for Lipid Liquid Crystalline Nanostructured Particles. Langmuir, 2011, 27, 14757-14766.	1.6	67
76	Structural Rearrangement of Î²-Lactoglobulin at Different Oilâ€“Water Interfaces and Its Effect on Emulsion Stability. Langmuir, 2011, 27, 9227-9236.	1.6	112
77	Structural Basis of Binding by Cyclic Nonphosphorylated Peptide Antagonists of Grb7 Implicated in Breast Cancer Progression. Journal of Molecular Biology, 2011, 412, 397-411.	2.0	24
78	Dual Polarization Interferometry: An Optical Biosensor Which Allows New Insights into Peptide-Induced Changes in Biomembrane Structure. Australian Journal of Chemistry, 2011, 64, 844.	0.5	3
79	Thionation of amides using a solid-supported P2S5 reagent under microwave irradiation. Tetrahedron Letters, 2011, 52, 5131-5131.	0.7	14
80	The role of electrostatic interactions in the membrane binding of melittin. Journal of Molecular Recognition, 2011, 24, 108-118.	1.1	47
81	Î²â€amino acid substitution to investigate the recognition of angiotensin II (AngII) by angiotensin converting enzyme 2 (ACE2). Journal of Molecular Recognition, 2011, 24, 235-244.	1.1	5
82	A Synthetic Mirror Image of Kalata B1 Reveals that Cyclotide Activity Is Independent of a Protein Receptor. ChemBioChem, 2011, 12, 2456-2462.	1.3	49
83	A Single Î²-Amino Acid Substitution to Angiotensin II Confers AT ₂ Receptor Selectivity and Vascular Function. Hypertension, 2011, 57, 570-576.	1.3	51
84	Relative affinity of angiotensin peptides and novel ligands at AT1 and AT2 receptors. Clinical Science, 2011, 121, 297-303.	1.8	241
85	Use of SPR to Study the Interaction of G7-18NATE Peptide with the Grb7-SH2 Domain. International Journal of Peptide Research and Therapeutics, 2010, 16, 177-184.	0.9	13
86	Fast membrane association is a crucial factor in the peptide pepâ€1 translocation mechanism: A kinetic study followed by surface plasmon resonance. Biopolymers, 2010, 94, 314-322.	1.2	28
87	The Asia Oceania Human Proteome Organisation Membrane Proteomics Initiative. Preparation and characterisation of the carbonateâ€washed membrane standard. Proteomics, 2010, 10, 4142-4148.	1.3	26
88	Glycosaminoglycanâ€induced activation of the Î²â€secretase (BACE1) of Alzheimerâ€™s disease. Journal of Neurochemistry, 2010, 112, 1552-1561.	2.1	25
89	Ligand-Supported Purification of the Urotensin-II Receptor. Molecular Pharmacology, 2010, 78, 639-647.	1.0	5
90	Effect of Heparin on APP Metabolism and AÎ² Production in Cortical Neurons. Neurodegenerative Diseases, 2010, 7, 187-189.	0.8	9

#	Article	IF	Citations
91	Epitope Discovery and Their Use in Peptide Based Vaccines. Current Pharmaceutical Design, 2010, 16, 3149-3157.	0.9	104
92	The membrane insertion of helical antimicrobial peptides from the N-terminus of Helicobacter pylori ribosomal protein L1. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 544-557.	1.4	45
93	Real-time quantitative analysis of lipid disordering by aurein 1.2 during membrane adsorption, destabilisation and lysis. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1977-1986.	1.4	74
94	Changes in Î²-Lactoglobulin Conformation at the Oil/Water Interface of Emulsions Studied by Synchrotron Radiation Circular Dichroism Spectroscopy. Biomacromolecules, 2010, 11, 2136-2142.	2.6	66
95	Surface Plasmon Resonance Spectroscopy for Studying the Membrane Binding of Antimicrobial Peptides. Methods in Molecular Biology, 2010, 627, 213-223.	0.4	17
96	Membrane interactions of antimicrobial Î²â€peptides: The role of amphipathicity versus secondary structure induction. Biopolymers, 2009, 92, 554-564.	1.2	12
97	Surface plasmon resonance biosensor for the detection of ochratoxin A in cereals and beverages. Analytica Chimica Acta, 2009, 656, 63-71.	2.6	93
98	Structure and homogeneity of pseudo-physiological phospholipid bilayers and their deposition characteristics on carboxylic acid terminated self-assembled monolayers. Biomaterials, 2009, 30, 682-689.	5.7	50
99	Surface plasmon resonance assay for chloramphenicol without surface regeneration. Analytical Biochemistry, 2009, 390, 97-99.	1.1	24
100	A Mild Method for the Efficient [3,3]-Sigmatropic Rearrangement of N,O-Diacylhydroxylamines. Journal of Organic Chemistry, 2009, 74, 8001-8003.	1.7	15
101	Synthesis of Stapled Î²3-Peptides through Ring-Closing Metathesis. Organic Letters, 2009, 11, 4438-4440.	2.4	28
102	Role of helix 8 in G protein-coupled receptors based on structureâ€“function studies on the type 1 angiotensin receptor. Molecular and Cellular Endocrinology, 2009, 302, 118-127.	1.6	54
103	The Toxicity of Prion Protein Fragment PrP(106â^126) is Not Mediated by Membrane Permeabilization as Shown by a M112W Substitution. Biochemistry, 2009, 48, 4198-4208.	1.2	30
104	Kinetic and conformational properties of a novel Tâ€cell antigen receptor transmembrane peptide in model membranes. Journal of Peptide Science, 2008, 14, 714-724.	0.8	25
105	The synthesis of Fmoc-O-allyl Î²-serine. Tetrahedron: Asymmetry, 2008, 19, 2861-2863.	1.8	3
106	PrP(106-126) Does Not Interact with Membranes under Physiological Conditions. Biophysical Journal, 2008, 95, 1877-1889.	0.2	74
107	Surface Plasmon Resonance Assay for Chloramphenicol. Analytical Chemistry, 2008, 80, 8329-8333.	3.2	63
108	Effect of Antimicrobial Peptides from Australian Tree Frogs on Anionic Phospholipid Membranes. Biochemistry, 2008, 47, 8557-8565.	1.2	83

#	Article	IF	Citations
109	The Î²-amyloid protein of Alzheimer's disease increases neuronal CRMP-2 phosphorylation by a Rho-GTP mechanism. Brain, 2008, 131, 90-108.	3.7	165
110	Î²-Amino acid-containing hybrid peptidesâ€"new opportunities in peptidomimetics. Organic and Biomolecular Chemistry, 2007, 5, 2884.	1.5	114
111	Hydrophobic and electrostatic forces control the retention of membrane peptides and proteins with an immobilised phosphatidic acid column. Journal of Chromatography A, 2007, 1156, 167-173.	1.8	5
112	Transthyretin oligomers induce calcium influx via voltage-gated calcium channels. Journal of Neurochemistry, 2007, 100, 446-457.	2.1	65
113	The ?-amyloid protein of Alzheimer?s disease binds to membrane lipids but does not bind to the ?7 nicotinic acetylcholine receptor. Journal of Neurochemistry, 2007, 101, 1527-1538.	2.1	81
114	Transthyretin and familial amyloidotic polyneuropathy. FEBS Journal, 2007, 274, 1637-1650.	2.2	146
115	Is helix VIII of G proteinâ€coupled receptors (GPCRs) a lipidâ€activated signalling sensor?. FASEB Journal, 2007, 21, A614.	0.2	0
116	A Study of Protein Electrochemistry on a Supported Membrane Electrode. International Journal of Peptide Research and Therapeutics, 2006, 12, 217-224.	0.9	12
117	Peptides â€“ From Discovery to Therapeutics. International Journal of Peptide Research and Therapeutics, 2006, 12, 195-195.	0.9	0
118	Trends in the development and application of functional biomembrane surfaces. Biotechnology Annual Review, 2006, 12, 85-136.	2.1	4
119	Evaluation of the Membrane-binding Properties of the Proximal Region of the Angiotensin II Receptor (AT1A) Carboxyl Terminus by Surface Plasmon Resonance. Analytical Sciences, 2005, 21, 171-174.	0.8	19
120	Lipid Membrane-Binding Properties of Tryptophan Analogues of Linear Amphipathic .BETA.-Sheet Cationic Antimicrobial Peptides Using Surface Plasmon Resonance. Biological and Pharmaceutical Bulletin, 2005, 28, 148-150.	0.6	19
121	Studies on the membrane interactions of the cyclotides kalata B1 and kalata B6 on model membrane systems by surface plasmon resonance. Analytical Biochemistry, 2005, 337, 149-153.	1.1	125
122	Crystal structure of the soluble form of the redox-regulated chloride ion channel protein CLIC4. FEBS Journal, 2005, 272, 4996-5007.	2.2	112
123	Surface plasmon resonance for the analysis of Î²-amyloid interactions and fibril formation in alzheimerâ€™s disease research. Neurotoxicity Research, 2005, 7, 17-27.	1.3	48
124	T Cell Determinants Incorporating Î²-Amino Acid Residues Are Protease Resistant and Remain Immunogenic In Vivo. Journal of Immunology, 2005, 175, 3810-3818.	0.4	56
125	HPLC of Peptides and Proteins: Basic Theory and Methodology. , 2004, 251, 3-8.		22
126	Reversed-Phase High-Performance Liquid Chromatography. , 2004, 251, 9-22.		20

#	Article	IF	Citations
127	Functional and Structural Characteristics of NY-ESO-1-related HLA A2-restricted Epitopes and the Design of a Novel Immunogenic Analogue. Journal of Biological Chemistry, 2004, 279, 23438-23446.	1.6	61
128	The Structure of H-2Kb and Kbm8 Complexed to a Herpes Simplex Virus Determinant: Evidence for a Conformational Switch That Governs T Cell Repertoire Selection and Viral Resistance. Journal of Immunology, 2004, 173, 402-409.	0.4	31
129	Isolation and characterization at cholinergic nicotinic receptors of a neurotoxin from the venom of the Acanthophis sp. Seram death adder. Biochemical Pharmacology, 2004, 68, 383-394.	2.0	22
130	Role of AÎ² and the Î±7 nicotinic acetylcholine receptor in regulating synaptic plasticity in Alzheimer's disease. International Journal of Peptide Research and Therapeutics, 2003, 10, 401-404.	0.1	1
131	Surface plasmon resonance analysis of antimicrobial peptide-membrane interactions: affinity & mechanism of action. International Journal of Peptide Research and Therapeutics, 2003, 10, 475-485.	0.1	43
132	Optimisation of peptide-based cytotoxic T-cell determinants using non-natural amino acids. International Journal of Peptide Research and Therapeutics, 2003, 10, 561-569.	0.1	6
133	The Asymmetric Imino-aldol Approach to the Enantioselective Synthesis of Î²-amino acids. International Journal of Peptide Research and Therapeutics, 2003, 10, 597-604.	0.9	0
134	The asymmetric imino-aldol approach to the enantioselective synthesis of Î²-amino acids. International Journal of Peptide Research and Therapeutics, 2003, 10, 597-604.	0.1	4
135	Î²-Amyloid protein oligomers induced by metal ions and acid pH are distinct from those generated by slow spontaneous ageing at neutral pH. FEBS Journal, 2003, 270, 4282-4293.	0.2	98
136	Cholesterol is necessary both for the toxic effect of AÎ² peptides on vascular smooth muscle cells and for AÎ² binding to vascular smooth muscle cell membranes. Journal of Neurochemistry, 2003, 84, 471-479.	2.1	90
137	Isolation and pharmacological characterization of a phospholipase A2 myotoxin from the venom of the Irian Jayan death adder (Acanthophis rugosus). British Journal of Pharmacology, 2003, 138, 333-342.	2.7	33
138	Role of A Î² and the Î± 7 nicotinic acetylcholine receptor in regulating synaptic plasticity in Alzheimer's disease. International Journal of Peptide Research and Therapeutics, 2003, 10, 401-404.	0.9	0
139	Surface plasmon resonance analysis of antimicrobial peptideâ€“membrane interactions: affinity & mechanism of action. International Journal of Peptide Research and Therapeutics, 2003, 10, 475-485.	0.9	9
140	Optimisation of peptide-based cytotoxic T-cell determinants using. International Journal of Peptide Research and Therapeutics, 2003, 10, 561-569.	0.1	1
141	β-Amino Acids: Versatile Peptidomimetics. Current Medicinal Chemistry, 2002, 9, 811-822.	1.2	275
142	Electrostatic and Hydrophobic Forces Tether the Proximal Region of the Angiotensin II Receptor (AT1A) Carboxyl Terminus to Anionic Lipidsâ€. Biochemistry, 2002, 41, 7830-7840.	1.2	42
143	Inhibitors of Metalloendopeptidase EC 3.4.24.15 and EC 3.4.24.16 Stabilized against Proteolysis by the Incorporation of Î²-Amino Acids. Biochemistry, 2002, 41, 10819-10826.	1.2	31
144	Surface plasmon resonance spectroscopy: An emerging tool for the study of peptide-membrane interactions. Biopolymers, 2002, 66, 3-18.	1.2	105

#	Article	IF	Citations
145	Analysis of antimicrobial peptide interactions with hybrid bilayer membrane systems using surface plasmon resonance. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1512, 64-76.	1.4	140
146	The use of Î²-amino acids in the design of protease and peptidase inhibitors. International Journal of Peptide Research and Therapeutics, 2001, 8, 241-246.	0.1	4
147	The use of Î²-amino acids in the design of protease and peptidase inhibitors. International Journal of Peptide Research and Therapeutics, 2001, 8, 241-246.	0.1	15
148	Substrate analogues incorporating Î²â€amino acids: potential application for peptidase inhibition. FASEB Journal, 2001, 15, 1664-1666.	0.2	10
149	Interaction of amphipathic peptides with an immobilised model membrane. International Journal of Peptide Research and Therapeutics, 1999, 6, 371-380.	0.1	1
150	Interaction of amphipathic peptides with an immobilised model membrane. International Journal of Peptide Research and Therapeutics, 1999, 6, 371-380.	0.1	2
151	The Interaction of Bioactive Peptides with an Immobilized Phosphatidylcholine Monolayer. Biophysical Journal, 1999, 77, 1428-1444.	0.2	26
152	Probing the Binding Behavior and Conformational States of Globular Proteins in Reversed-Phase High-Performance Liquid Chromatography. Analytical Chemistry, 1999, 71, 2440-2451.	3.2	36
153	Tropane-based amino acids for peptide structure-function studies: Inhibitors of platelet aggregation. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 2699-2704.	1.0	12
154	RP-HPLC Binding Domains of Proteins. Analytical Chemistry, 1998, 70, 5010-5018.	3.2	30
155	Comparison of the binding of Î±â€helical and Î²â€sheet peptides to a hydrophobic surface. Chemical Biology and Drug Design, 1998, 51, 401-412.	1.2	30
156	Conformational stability of a type II'Î²â€turn motif in human growth hormone [6â€“13] peptide analogues at hydrophobic surfaces. Chemical Biology and Drug Design, 1997, 49, 394-403.	1.2	12
157	[1] High-resolution reversed-phase high-performance liquid chromatography of peptides and proteins. Methods in Enzymology, 1996, 270, 3-26.	0.4	60
158	Response to Comment on â€œInfluence of the Chain Length and Surface Density on the Conformation and Mobility ofn-Alkyl Ligands Chemically Immobilized onto a Silica Surfaceâ€. Analytical Chemistry, 1996, 68, 1974-1975.	3.2	7
159	Temperature-induced changes in the bandwidth behaviour of proteins separated with cation-exchange adsorbents. Journal of Chromatography A, 1996, 729, 67-79.	1.8	20
160	Influence of temperature on the retention behaviour of proteins in cation-exchange chromatography. Journal of Chromatography A, 1996, 729, 49-66.	1.8	31
161	High-performance liquid chromatography of amino acids, peptides and proteins CXXXVIII. Adsorption of horse heart cytochrome c onto a tentacle-type cation exchanger. Journal of Chromatography A, 1995, 691, 263-271.	1.8	19
162	Studies on the adsorption capacities of proteins with a tentacle-type ion exchanger and their relationship to the stoichiometric retention parameter Zc. Journal of Chromatography A, 1995, 711, 43-52.	1.8	15

#	Article	IF	Citations
163	Physicochemical Basis of Amino Acid Hydrophobicity Scales: Evaluation of Four New Scales of Amino Acid Hydrophobicity Coefficients Derived from RP-HPLC of Peptides. Analytical Chemistry, 1995, 67, 1210-1219.	3.2	142
164	Influence of the Chain Length and Surface Density on the Conformation and Mobility of n-Alkyl Ligands Chemically Immobilized onto a Silica Surface. Analytical Chemistry, 1995, 67, 2145-2153.	3.2	87
165	High-performance liquid chromatography of amino acids, peptides and proteins. Journal of Chromatography A, 1994, 660, 75-84.	1.8	26
166	Resonant recognition model and protein topography. Model studies with myoglobin, hemoglobin and lysozyme. FEBS Journal, 1991, 198, 113-119.	0.2	29
167	High-performance liquid chromatography of amino acids, peptides and proteins. Journal of Chromatography A, 1985, 327, 115-138.	1.8	55