

Miguel A Castanho

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.

213
papers

6,856
citations

43
h-index

75
g-index

229
ext. papers

7,725
ext. citations

4.5
avg, IF

5.99
L-index

#	Paper	IF	Citations
213	The Use of Antibody-Antibiotic Conjugates to Fight Bacterial Infections.. <i>Frontiers in Microbiology</i> , 2022 , 13, 835677	5.7	2
212	The antimetastatic breast cancer activity of the viral protein-derived peptide vCPP2319 as revealed by cellular biomechanics. <i>FEBS Journal</i> , 2021 ,	5.7	1
211	Development of Breast Cancer Spheroids to Evaluate Cytotoxic Response to an Anticancer Peptide. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
210	The HIV-1 matrix protein p17 does cross the Blood-Brain Barrier. <i>Journal of Virology</i> , 2021 , JVI0120021	6.6	1
209	Highly Specific Blood-Brain Barrier Transmigrating Single-Domain Antibodies Selected by an In Vivo Phage Display Screening. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
208	Exosomes and Brain Metastases: A Review on Their Role and Potential Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
207	Overlapping Properties of the Short Membrane-Active Peptide BP100 With (i) Polycationic TAT and (ii) Helical Magainin Family Peptides. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 609542	5.9	1
206	Orally Active Peptide Vector Allows Using Cannabis to Fight Pain While Avoiding Side Effects. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 6937-6948	8.3	1
205	Penetrating the Blood-Brain Barrier with New Peptide-Porphyrin Conjugates Having anti-HIV Activity. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1067-1077	6.3	6
204	The Challenge of Peptide Proteolytic Stability Studies: Scarce Data, Difficult Readability, and the Need for Harmonization. <i>Angewandte Chemie</i> , 2021 , 133, 1710-1712	3.6	2
203	The Challenge of Peptide Proteolytic Stability Studies: Scarce Data, Difficult Readability, and the Need for Harmonization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1686-1688	16.4	7
202	Anti-HIV-1 Activity of pepRF1, a Proteolysis-Resistant CXCR4 Antagonist Derived from Dengue Virus Capsid Protein. <i>ACS Infectious Diseases</i> , 2021 , 7, 6-22	5.5	2
201	Estimating peptide half-life in serum from tunable, sequence-related physicochemical properties. <i>Clinical and Translational Science</i> , 2021 , 14, 1349-1358	4.9	1
200	Protonectin peptides target lipids, act at the interface and selectively kill metastatic breast cancer cells while preserving morphological integrity. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 517-530	8.3	1
199	Design of bioactive peptides derived from CART sequence isolated from the toadfish. <i>3 Biotech</i> , 2020 , 10, 162	2.8	3
198	Can citation metrics predict the true impact of scientific papers?. <i>FEBS Journal</i> , 2020 , 287, 2440-2448	5.7	2
197	Retinal Vascular Reactivity in Type 1 Diabetes Patients Without Retinopathy Using Optical Coherence Tomography Angiography 2020 , 61, 49		13

196	Antibodies for the Treatment of Brain Metastases, a Dream or a Reality?. <i>Pharmaceutics</i> , 2020 , 12,	6.4	17
195	PepH3, an Improved Peptide Shuttle for Receptor-independent Transport Across the Blood-Brain Barrier. <i>Current Pharmaceutical Design</i> , 2020 , 26, 1495-1506	3.3	9
194	Antifungal and anti-biofilm activity of designed derivatives from kyotorphin. <i>Fungal Biology</i> , 2020 , 124, 316-326	2.8	3
193	Enfuvirtide-Protoporphyrin IX Dual-Loaded Liposomes: In Vitro Evidence of Synergy against HIV-1 Entry into Cells. <i>ACS Infectious Diseases</i> , 2020 , 6, 224-236	5.5	6
192	To What Extent Do Fluorophores Bias the Biological Activity of Peptides? A Practical Approach Using Membrane-Active Peptides as Models. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 552035	5.8	13
191	Scalable Production of Human Mesenchymal Stromal Cell-Derived Extracellular Vesicles Under Serum-/Xeno-Free Conditions in a Microcarrier-Based Bioreactor Culture System. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 553444	5.7	18
190	Effects of Diabetes on Microcirculation and Leukostasis in Retinal and Non-Ocular Tissues: Implications for Diabetic Retinopathy. <i>Biomolecules</i> , 2020 , 10,	5.9	2
189	Synthesis, Structure, and Activity of the Antifungal Plant Defensin D. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 9391-9402	8.3	1
188	The Neuroprotective Action of Amidated-Kyotorphin on Amyloid [Peptide-Induced Alzheimer's Disease Pathophysiology. <i>Frontiers in Pharmacology</i> , 2020 , 11, 985	5.6	4
187	Effect of pH on the influenza fusion peptide properties unveiled by constant-pH molecular dynamics simulations combined with experiment. <i>Scientific Reports</i> , 2020 , 10, 20082	4.9	7
186	Optical coherence tomography angiography study of the retinal vascular plexuses in type 1 diabetes without retinopathy. <i>Eye</i> , 2020 , 34, 307-311	4.4	15
185	The mechanism of action of pepR, a viral-derived peptide, against <i>Staphylococcus aureus</i> biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 2617-2625	5.1	11
184	Synthesis and Characterization of Peptide-Chitosan Conjugates (PepChis) with Lipid Bilayer Affinity and Antibacterial Activity. <i>Biomacromolecules</i> , 2019 , 20, 2743-2753	6.9	18
183	Fast NMR method to probe solvent accessibility and disordered regions in proteins. <i>Scientific Reports</i> , 2019 , 9, 1647	4.9	8
182	Cell Membrane Composition Drives Selectivity and Toxicity of Designed Cyclic Helix-Loop-Helix Peptides with Cell Penetrating and Tumor Suppressor Properties. <i>ACS Chemical Biology</i> , 2019 , 14, 2071-2087	4.9	8
181	Structural determinants conferring unusual long life in human serum to rattlesnake-derived antimicrobial peptide Ctn[15-34]. <i>Journal of Peptide Science</i> , 2019 , 25, e3195	2.1	7
180	Lidocaine turns the surface charge of biological membranes more positive and changes the permeability of blood-brain barrier culture models. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 1579-1591	3.8	15
179	A Protocol to Evaluate Retinal Vascular Response Using Optical Coherence Tomography Angiography. <i>Frontiers in Neuroscience</i> , 2019 , 13, 566	5.1	7

178	Plant defensin PvD modulates the membrane composition of breast tumour-derived exosomes. <i>Nanoscale</i> , 2019 , 11, 23366-23381	7.7	7
177	Mechanisms of bacterial membrane permeabilization by crotalidin (Ctn) and its fragment Ctn(15-34), antimicrobial peptides from rattlesnake venom. <i>Journal of Biological Chemistry</i> , 2018 , 293, 1536-1549	5.4	51
176	Designing of Artificial Peptides for an Improved Antiviral Activity. <i>Current Proteomics</i> , 2018 , 15, 258-266	0.7	1
175	Structure-Stability-Function Mechanistic Links in the Anti-Measles Virus Action of Tocopherol-Derivatized Peptide Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 9855-9865	16.7	11
174	Effective in Vivo Targeting of Influenza Virus through a Cell-Penetrating/Fusion Inhibitor Tandem Peptide Anchored to the Plasma Membrane. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3362-3376	6.3	19
173	Novel Peptides Derived from Dengue Virus Capsid Protein Translocate Reversibly the Blood-Brain Barrier through a Receptor-Free Mechanism. <i>ACS Chemical Biology</i> , 2017 , 12, 1257-1268	4.9	19
172	Neuropeptide Kyotorphin Impacts on Lipopolysaccharide-Induced Glucocorticoid-Mediated Inflammatory Response. A Molecular Link to Nociception, Neuroprotection, and Anti-Inflammatory Action. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1663-1667	5.7	5
171	Mechanisms of Vesicular Stomatitis Virus Inactivation by Protoporphyrin IX, Zinc-Protoporphyrin IX, and Mesoporphyrin IX. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	16
170	Quantitative analysis of molecular partition towards lipid membranes using surface plasmon resonance. <i>Scientific Reports</i> , 2017 , 7, 45647	4.9	21
169	Challenging metastatic breast cancer with the natural defensin PvD. <i>Nanoscale</i> , 2017 , 9, 16887-16899	7.7	14
168	Broad spectrum antiviral activity for paramyxoviruses is modulated by biophysical properties of fusion inhibitory peptides. <i>Scientific Reports</i> , 2017 , 7, 43610	4.9	32
167	Peptibodies: An elegant solution for a long-standing problem. <i>Peptide Science</i> , 2017 , 110, e23095	3	26
166	In Vivo Efficacy of Measles Virus Fusion Protein-Derived Peptides Is Modulated by the Properties of Self-Assembly and Membrane Residence. <i>Journal of Virology</i> , 2017 , 91,	6.6	28
165	siRNA-cell-penetrating peptides complexes as a combinatorial therapy against chronic myeloid leukemia using BV173 cell line as model. <i>Journal of Controlled Release</i> , 2017 , 245, 127-136	11.7	22
164	A New Noncanonical Anionic Peptide That Translocates a Cellular Blood-Brain Barrier Model. <i>Molecules</i> , 2017 , 22,	4.8	17
163	New Potent Membrane-Targeting Antibacterial Peptides from Viral Capsid Proteins. <i>Frontiers in Microbiology</i> , 2017 , 8, 775	5.7	26
162	The anti-inflammatory action of the analgesic kyotorphin neuropeptide derivatives: insights of a lipid-mediated mechanism. <i>Amino Acids</i> , 2016 , 48, 307-18	3.5	7
161	Fusing simulation and experiment: The effect of mutations on the structure and activity of the influenza fusion peptide. <i>Scientific Reports</i> , 2016 , 6, 28099	4.9	7

160	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. <i>Scientific Reports</i> , 2016 , 6, 27128	4.9	19
159	Endothelium-Mediated Action of Analogues of the Endogenous Neuropeptide Kyotorphin (Tyrosil-Arginine): Mechanistic Insights from Permeation and Effects on Microcirculation. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 1130-40	5.7	4
158	Antibody Approaches To Treat Brain Diseases. <i>Trends in Biotechnology</i> , 2016 , 34, 36-48	15.1	46
157	Improvement of the pharmacological properties of amidated kyotorphin by means of iodination. <i>MedChemComm</i> , 2016 , 7, 906-913	5	3
156	Pharmacological Potential of the Endogenous Dipeptide Kyotorphin and Selected Derivatives. <i>Frontiers in Pharmacology</i> , 2016 , 7, 530	5.6	11
155	Guar gum as a new antimicrobial peptide delivery system against diabetic foot ulcers Staphylococcus aureus isolates. <i>Journal of Medical Microbiology</i> , 2016 , 65, 1092-1099	3.2	18
154	Amidated and Ibuprofen-Conjugated Kyotorphins Promote Neuronal Rescue and Memory Recovery in Cerebral Hypoperfusion Dementia Model. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 1	5.3	79
153	Development of synthetic light-chain antibodies as novel and potent HIV fusion inhibitors. <i>Aids</i> , 2016 , 30, 1691-701	3.5	10
152	Anticancer Peptides: Prospective Innovation in Cancer Therapy 2016 , 95-109		4
151	Bioorthogonal Strategy for Bioprocessing of Specific-Site-Functionalized Enveloped Influenza-Virus-Like Particles. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2386-2399	6.3	15
150	Receptors and routes of dengue virus entry into the host cells. <i>FEMS Microbiology Reviews</i> , 2015 , 39, 155-70	15.1	169
149	Understanding Dengue Virus Capsid Protein Interaction with Key Biological Targets. <i>Scientific Reports</i> , 2015 , 5, 10592	4.9	18
148	Rethinking the capsid proteins of enveloped viruses: multifunctionality from genome packaging to genome transfection. <i>FEBS Journal</i> , 2015 , 282, 2267-78	5.7	31
147	Effects of singlet oxygen generated by a broad-spectrum viral fusion inhibitor on membrane nanoarchitecture. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1163-7	6	11
146	Apoptotic human neutrophil peptide-1 anti-tumor activity revealed by cellular biomechanics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 308-16	4.9	43
145	Monitoring antibacterial permeabilization in real time using time-resolved flow cytometry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 554-60	3.8	33
144	Correlation between membrane translocation and analgesic efficacy in kyotorphin derivatives. <i>Biopolymers</i> , 2015 , 104, 1-10	2.2	8
143	Understanding dengue virus capsid protein disordered N-Terminus and pep14-23-based inhibition. <i>ACS Chemical Biology</i> , 2015 , 10, 517-26	4.9	36

142	Dps from <i>Deinococcus radiodurans</i> : oligomeric forms of Dps1 with distinct cellular functions and Dps2 involved in metal storage. <i>FEBS Journal</i> , 2015 , 282, 4307-27	5.7	20
141	Mining viral proteins for antimicrobial and cell-penetrating drug delivery peptides. <i>Bioinformatics</i> , 2015 , 31, 2252-6	7.2	29
140	Shifting gear in antimicrobial and anticancer peptides biophysical studies: from vesicles to cells. <i>Journal of Peptide Science</i> , 2015 , 21, 178-85	2.1	29
139	Improvement of HIV fusion inhibitor C34 efficacy by membrane anchoring and enhanced exposure. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 1286-97	5.1	30
138	Cell-penetrating peptides: A tool for effective delivery in gene-targeted therapies. <i>IUBMB Life</i> , 2014 , 66, 182-194	4.7	55
137	The interaction of antibodies with lipid membranes unraveled by fluorescence methodologies. <i>Journal of Molecular Structure</i> , 2014 , 1077, 114-120	3.4	5
136	The Use of Visual Analog Scales to Compare Pain Between Patients With Alzheimer's Disease and Patients Without Any Known Neurodegenerative Disease and Their Caregivers. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2014 , 29, 320-5	2.5	9
135	Singlet oxygen effects on lipid membranes: implications for the mechanism of action of broad-spectrum viral fusion inhibitors. <i>Biochemical Journal</i> , 2014 , 459, 161-70	3.8	32
134	Nucleic acid delivery by cell penetrating peptides derived from dengue virus capsid protein: design and mechanism of action. <i>FEBS Journal</i> , 2014 , 281, 191-215	5.7	32
133	Antimicrobial protein rBPI21-induced surface changes on Gram-negative and Gram-positive bacteria. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 543-51	6	58
132	Dengue virus capsid protein interacts specifically with very low-density lipoproteins. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 247-55	6	48
131	The mechanisms and quantification of the selective permeability in transport across biological barriers: the example of kyotorphin. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 99-110	3.2	4
130	Peptides as models for the structure and function of viral capsid proteins: Insights on dengue virus capsid. <i>Biopolymers</i> , 2013 , 100, 325-36	2.2	14
129	Side-effects of analgesic kyotorphin derivatives: advantages over clinical opioid drugs. <i>Amino Acids</i> , 2013 , 45, 171-8	3.5	11
128	N-terminal AH2 segment of protein NS4B from hepatitis C virus. Binding to and interaction with model biomembranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1938-52	3.8	8
127	The antimicrobial activity of Sub3 is dependent on membrane binding and cell-penetrating ability. <i>ChemBioChem</i> , 2013 , 14, 2013-22	3.8	43
126	Design and characterization of novel antimicrobial peptides, R-BP100 and RW-BP100, with activity against Gram-negative and Gram-positive bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 944-55	3.8	116
125	rBPI21 interacts with negative membranes endothermically promoting the formation of rigid multilamellar structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2419-27	3.8	18

124	Quantifying molecular partition of cell-penetrating peptide-cargo supramolecular complexes into lipid membranes: optimizing peptide-based drug delivery systems. <i>Journal of Peptide Science</i> , 2013 , 19, 182-9	2.1	10
123	Decoding distinct membrane interactions of HIV-1 fusion inhibitors using a combined atomic force and fluorescence microscopy approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1777-85	3.8	11
122	A mechanistic paradigm for broad-spectrum antivirals that target virus-cell fusion. <i>PLoS Pathogens</i> , 2013 , 9, e1003297	7.6	72
121	From antimicrobial to anticancer peptides. A review. <i>Frontiers in Microbiology</i> , 2013 , 4, 294	5.7	411
120	Intracellular nucleic acid delivery by the supercharged dengue virus capsid protein. <i>PLoS ONE</i> , 2013 , 8, e81450	3.7	30
119	Neuropeptide Kyotorphin (Tyrosyl-Arginine) has Decreased Levels in the Cerebro-Spinal Fluid of Alzheimer's Disease Patients: Potential Diagnostic and Pharmacological Implications. <i>Frontiers in Aging Neuroscience</i> , 2013 , 5, 68	5.3	10
118	Conjugation of cholesterol to HIV-1 fusion inhibitor C34 increases peptide-membrane interactions potentiating its action. <i>PLoS ONE</i> , 2013 , 8, e60302	3.7	39
117	The disordered N-terminal region of dengue virus capsid protein contains a lipid-droplet-binding motif. <i>Biochemical Journal</i> , 2012 , 444, 405-15	3.8	68
116	Anticancer peptide SVS-1: efficacy precedes membrane neutralization. <i>Biochemistry</i> , 2012 , 51, 6263-5	3.2	45
115	Extracellular alpha-synuclein oligomers modulate synaptic transmission and impair LTP via NMDA-receptor activation. <i>Journal of Neuroscience</i> , 2012 , 32, 11750-62	6.6	180
114	Phosphatidylethanolamine binding is a conserved feature of cyclotide-membrane interactions. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33629-43	5.4	94
113	Antimicrobial properties of analgesic kyotorphin peptides unraveled through atomic force microscopy. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 420, 676-9	3.4	17
112	Arginine-rich self-assembling peptides as potent antibacterial gels. <i>Biomaterials</i> , 2012 , 33, 8907-16	15.6	168
111	The Application of Biophysical Techniques to Study Antimicrobial Peptides. <i>Spectroscopy</i> , 2012 , 27, 541-549		14
110	Translocating the blood-brain barrier using electrostatics. <i>Frontiers in Cellular Neuroscience</i> , 2012 , 6, 44	6.1	39
109	Biomedical applications of dipeptides and tripeptides. <i>Biopolymers</i> , 2012 , 98, 288-93	2.2	39
108	Interaction of antimicrobial peptides, BP100 and pepR, with model membrane systems as explored by Brownian dynamics simulations on a coarse-grained model. <i>Biopolymers</i> , 2012 , 98, 294-312	2.2	5
107	Biophysical characterization of polymyxin B interaction with LPS aggregates and membrane model systems. <i>Biopolymers</i> , 2012 , 98, 338-44	2.2	82

106	Electron/proton coupling in biological energy transduction. <i>FEBS Letters</i> , 2012 , 586, 475-475	3.8	
105	The Mechanism of Action of Antimicrobial Peptides: Lipid Vesicles vs. Bacteria. <i>Frontiers in Immunology</i> , 2012 , 3, 236	8.4	25
104	Dengue virus capsid protein binding to hepatic lipid droplets (LD) is potassium ion dependent and is mediated by LD surface proteins. <i>Journal of Virology</i> , 2012 , 86, 2096-108	6.6	93
103	Antimicrobial peptide rBPI21: a translational overview from bench to clinical studies. <i>Current Protein and Peptide Science</i> , 2012 , 13, 611-9	2.8	21
102	A focus on glucose-mediated drug delivery to the central nervous system. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 301-12	3.2	9
101	Development of Antibody Fragments for Therapeutic Applications 2011 , 337-355		
100	HIV vs. HIV: Turning HIV-Derived Peptides into Drugs 2011 , 209-229		1
99	Chemical conjugation of the neuropeptide kyotorphin and ibuprofen enhances brain targeting and analgesia. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1929-40	5.6	30
98	Prediction of antibacterial activity from physicochemical properties of antimicrobial peptides. <i>PLoS ONE</i> , 2011 , 6, e28549	3.7	40
97	Anti-HIV-1 antibodies 2F5 and 4E10 interact differently with lipids to bind their epitopes. <i>Aids</i> , 2011 , 25, 419-28	3.5	17
96	Endogenous Peptides and Their Receptors as Drug Discovery Targets for the Treatment of Metabolic Disease 2011 , 245-268		
95	Translation of Motilin and Ghrelin Receptor Agonists into Drugs for Gastrointestinal Disorders 2011 , 269-294		
94	Of Mice and Men: Translational Research on Amylin Agonism 2011 , 295-311		
93	Peptides and Polypeptides as Immunomodulators and Their Consequential Therapeutic Effect in Multiple Sclerosis and Other Autoimmune Diseases 2011 , 313-335		
92	Oral Peptide Drug Delivery: Strategies to Overcome Challenges 2011 , 71-90		4
91	Omigaman Pentahydrochloride: A Novel, Broad-Spectrum Antimicrobial Peptide for Topical Use 2011 , 157-169		
90	Turning Endogenous Peptides into New Analgesics: The Example of Kyotorphin Derivatives 2011 , 171-188		2
89	The Development of Romiplostim [A Therapeutic Peptibody Used to Stimulate Platelet Production 2011 , 189-207		

88	Conotoxin-Based Leads in Drug Design 2011 , 119-137		
87	Rational Design of Amphipathic α -Helical and Cyclic β -Sheet Antimicrobial Peptides: Specificity and Therapeutic Potential 2011 , 91-117		
86	Sifuvirtide, A Novel HIV-1 Fusion Inhibitor 2011 , 231-243		
85	Marketing Antimicrobial Peptides: A Critical Academic Point of View 2011 , 57-69		1
84	Using zeta-potential measurements to quantify peptide partition to lipid membranes. <i>European Biophysics Journal</i> , 2011 , 40, 481-7	1.9	57
83	Cationic liposomes are possible drug-delivery systems for HIV fusion inhibitor sifuvirtide. <i>Soft Matter</i> , 2011 , 7, 11089	3.6	6
82	Plant Antimicrobial Peptides: From Basic Structures to Applied Research 2011 , 139-155		1
81	Decoding the membrane activity of the cyclotide kalata B1: the importance of phosphatidylethanolamine phospholipids and lipid organization on hemolytic and anti-HIV activities. <i>Journal of Biological Chemistry</i> , 2011 , 286, 24231-41	5.4	122
80	Peptides as Leads for Drug Discovery 2011 , 1-55		2
79	HIV-1 fusion inhibitor peptides enfuvirtide and T-1249 interact with erythrocyte and lymphocyte membranes. <i>PLoS ONE</i> , 2010 , 5, e9830	3.7	37
78	Escherichia coli cell surface perturbation and disruption induced by antimicrobial peptides BP100 and pepR. <i>Journal of Biological Chemistry</i> , 2010 , 285, 27536-44	5.4	169
77	In vitro blood-brain barrier models--latest advances and therapeutic applications in a chronological perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010 , 10, 262-70	3.2	22
76	Unravelling the molecular basis of the selectivity of the HIV-1 fusion inhibitor sifuvirtide towards phosphatidylcholine-rich rigid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1234-43	3.8	28
75	Quantitative assessment of peptide-lipid interactions. Ubiquitous fluorescence methodologies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1999-2012	3.8	54
74	The role of blood cell membrane lipids on the mode of action of HIV-1 fusion inhibitor sifuvirtide. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 403, 270-4	3.4	18
73	Drug-lipid interaction evaluation: why a 19th century solution?. <i>Trends in Pharmacological Sciences</i> , 2010 , 31, 449-54	13.2	27
72	Is PrP(106-126) fragment involved in the membrane activity of the Prion protein?. <i>Current Protein and Peptide Science</i> , 2010 , 11, 326-33	2.8	3
71	Fast membrane association is a crucial factor in the peptide pep-1 translocation mechanism: a kinetic study followed by surface plasmon resonance. <i>Biopolymers</i> , 2010 , 94, 314-22	2.2	24

70	Interactions of HIV-1 antibodies 2F5 and 4E10 with a gp41 epitope prebound to host and viral membrane model systems. <i>ChemBioChem</i> , 2009 , 10, 1032-44	3.8	23
69	Antimicrobial peptides: linking partition, activity and high membrane-bound concentrations. <i>Nature Reviews Microbiology</i> , 2009 , 7, 245-50	22.2	469
68	Interaction of the Dengue virus fusion peptide with membranes assessed by NMR: The essential role of the envelope protein Trp101 for membrane fusion. <i>Journal of Molecular Biology</i> , 2009 , 392, 736-46	6.5	39
67	Fold-unfold transitions in the selectivity and mechanism of action of the N-terminal fragment of the bactericidal/permeability-increasing protein (rBPI(21)). <i>Biophysical Journal</i> , 2009 , 96, 987-96	2.9	17
66	Synergistic effects of the membrane actions of cecropin-melittin antimicrobial hybrid peptide BP100. <i>Biophysical Journal</i> , 2009 , 96, 1815-27	2.9	72
65	The toxicity of prion protein fragment PrP(106-126) is not mediated by membrane permeabilization as shown by a M112W substitution. <i>Biochemistry</i> , 2009 , 48, 4198-208	3.2	30
64	rBPI(21) promotes lipopolysaccharide aggregation and exerts its antimicrobial effects by (hemi)fusion of PG-containing membranes. <i>PLoS ONE</i> , 2009 , 4, e8385	3.7	66
63	Hepatitis C virus core protein binding to lipid membranes: the role of domains 1 and 2. <i>Journal of Viral Hepatitis</i> , 2008 , 15, 346-56	3.4	13
62	PrP(106-126) does not interact with membranes under physiological conditions. <i>Biophysical Journal</i> , 2008 , 95, 1877-89	2.9	70
61	Sifuvirtide screens rigid membrane surfaces. establishment of a correlation between efficacy and membrane domain selectivity among HIV fusion inhibitor peptides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6215-23	16.4	48
60	Interaction between dengue virus fusion peptide and lipid bilayers depends on peptide clustering. <i>Molecular Membrane Biology</i> , 2008 , 25, 128-38	3.4	24
59	Translocation or membrane disintegration? Implication of peptide-membrane interactions in pep-1 activity. <i>Journal of Peptide Science</i> , 2008 , 14, 482-7	2.1	34
58	Enfuvirtide effects on human erythrocytes and lymphocytes functional properties. <i>Journal of Peptide Science</i> , 2008 , 14, 448-54	2.1	5
57	What can light scattering spectroscopy do for membrane-active peptide studies?. <i>Journal of Peptide Science</i> , 2008 , 14, 394-400	2.1	68
56	Molecular interaction studies of peptides using steady-state fluorescence intensity. Static (de)quenching revisited. <i>Journal of Peptide Science</i> , 2008 , 14, 401-6	2.1	9
55	How to address CPP and AMP translocation? Methods to detect and quantify peptide internalization in vitro and in vivo (Review). <i>Molecular Membrane Biology</i> , 2007 , 24, 173-84	3.4	31
54	The influence of cholesterol on the interaction of HIV gp41 membrane proximal region-derived peptides with lipid bilayers. <i>FEBS Journal</i> , 2007 , 274, 5096-104	5.7	12
53	Shiga toxin B-subunit sequential binding to its natural receptor in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 628-36	3.8	19

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