

# Nuno C Santos

## List of Publications by Year in descending order

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160  
papers

6,946  
citations

61984

43  
h-index

74163

75  
g-index

179  
all docs

179  
docs citations

179  
times ranked

10087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidisciplinary utilization of dimethyl sulfoxide: pharmacological, cellular, and molecular aspects. <i>Biochemical Pharmacology</i> , 2003, 65, 1035-1041.	4.4	528
2	Peptides with Dual Antimicrobial and Anticancer Activities. <i>Frontiers in Chemistry</i> , 2017, 5, 5.	3.6	294
3	Quantifying molecular partition into model systems of biomembranes: an emphasis on optical spectroscopic methods. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1612, 123-135.	2.6	226
4	Application of Light Scattering Techniques to Nanoparticle Characterization and Development. <i>Frontiers in Chemistry</i> , 2018, 6, 237.	3.6	217
5	An overview of the biophysical applications of atomic force microscopy. <i>Biophysical Chemistry</i> , 2004, 107, 133-149.	2.8	198
6	Escherichia coli Cell Surface Perturbation and Disruption Induced by Antimicrobial Peptides BP100 and pepR. <i>Journal of Biological Chemistry</i> , 2010, 285, 27536-27544.	3.4	193
7	Broad-spectrum antivirals against viral fusion. <i>Nature Reviews Microbiology</i> , 2015, 13, 426-437.	28.6	189
8	Glycation potentiates $\alpha$ -synuclein-associated neurodegeneration in synucleinopathies. <i>Brain</i> , 2017, 140, 1399-1419.	7.6	153
9	Atomic Force Microscopy-Based Molecular Recognition of a Fibrinogen Receptor on Human Erythrocytes. <i>ACS Nano</i> , 2010, 4, 4609-4620.	14.6	136
10	Evaluation of Lipopolysaccharide Aggregation by Light Scattering Spectroscopy. <i>ChemBioChem</i> , 2003, 4, 96-100.	2.6	132
11	Role of amphipathicity and hydrophobicity in the balance between hemolysis and peptide-membrane interactions of three related antimicrobial peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 528-536.	5.0	126
12	Designing improved active peptides for therapeutic approaches against infectious diseases. <i>Biotechnology Advances</i> , 2018, 36, 415-429.	11.7	125
13	Biophysical characterization of polymyxin b interaction with LPS aggregates and membrane model systems. <i>Biopolymers</i> , 2012, 98, 338-344.	2.4	119
14	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, 2096-2108.	3.4	115
15	New frontiers for anti-biofilm drug development. , 2016, 160, 133-144.		110
16	Decellularized human colorectal cancer matrices polarize macrophages towards an anti-inflammatory phenotype promoting cancer cell invasion via CCL18. <i>Biomaterials</i> , 2017, 124, 211-224.	11.4	104
17	Myofibril contraction and crosslinking drive nuclear movement to the periphery of skeletal muscle. <i>Nature Cell Biology</i> , 2017, 19, 1189-1201.	10.3	100
18	Interaction of the Major Epitope Region of HIV Protein gp41 with Membrane Model Systems. A Fluorescence Spectroscopy Study. <i>Biochemistry</i> , 1998, 37, 8674-8682.	2.5	89

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19	A Mechanistic Paradigm for Broad-Spectrum Antivirals that Target Virus-Cell Fusion. <i>PLoS Pathogens</i> , 2013, 9, e1003297.	4.7	88
20	Defensins: antifungal lessons from eukaryotes. <i>Frontiers in Microbiology</i> , 2014, 5, 97.	3.5	86
21	The disordered N-terminal region of dengue virus capsid protein contains a lipid-droplet-binding motif. <i>Biochemical Journal</i> , 2012, 444, 405-415.	3.7	83
22	Advances in Lipid and Metal Nanoparticles for Antimicrobial Peptide Delivery. <i>Pharmaceutics</i> , 2019, 11, 588.	4.5	81
23	Atomic force microscopy-based force spectroscopy in biological and biomedical applications. <i>IUBMB Life</i> , 2012, 64, 465-472.	3.4	79
24	Antimicrobial protein rBPI21-induced surface changes on Gram-negative and Gram-positive bacteria. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 543-551.	3.3	76
25	What can light scattering spectroscopy do for membrane-active peptide studies?. <i>Journal of Peptide Science</i> , 2008, 14, 394-400.	1.4	75
26	HIV Fusion Inhibitor Peptide T-1249 Is Able To Insert or Adsorb to Lipidic Bilayers. Putative Correlation with Improved Efficiency. <i>Journal of the American Chemical Society</i> , 2004, 126, 14758-14763.	13.7	70
27	Lipid selectivity in novel antimicrobial peptides: Implication on antimicrobial and hemolytic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 152-159.	5.0	70
28	rBPI21 Promotes Lipopolysaccharide Aggregation and Exerts Its Antimicrobial Effects by (Hemi)fusion of PG-Containing Membranes. <i>PLoS ONE</i> , 2009, 4, e8385.	2.5	69
29	Putative role of membranes in the HIV fusion inhibitor enfuvirtide mode of action at the molecular level. <i>Biochemical Journal</i> , 2004, 377, 107-110.	3.7	65
30	Quantitative assessment of peptide-lipid interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1999-2012.	2.6	64
31	Using zeta-potential measurements to quantify peptide partition to lipid membranes. <i>European Biophysics Journal</i> , 2011, 40, 481-487.	2.2	64
32	Quantitative imaging of endosome acidification and single retrovirus fusion with distinct pools of early endosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17627-17632.	7.1	63
33	The Rigid Amphipathic Fusion Inhibitor dUY11 Acts through Photosensitization of Viruses. <i>Journal of Virology</i> , 2014, 88, 1849-1853.	3.4	61
34	Dengue virus capsid protein interacts specifically with very low-density lipoproteins. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 247-255.	3.3	59
35	Atomic force microscopy as a tool to evaluate the risk of cardiovascular diseases in patients. <i>Nature Nanotechnology</i> , 2016, 11, 687-692.	31.5	59
36	Filipin-Induced Lesions in Planar Phospholipid Bilayers Imaged by Atomic Force Microscopy. <i>Biophysical Journal</i> , 1998, 75, 1869-1873.	0.5	55

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37	Isoelectric Point Determination for <i>Glossoscolex paulistus</i> Extracellular Hemoglobin: Oligomeric Stability in Acidic pH and Relevance to Protein-Surfactant Interactions. <i>Langmuir</i> , 2010, 26, 9794-9801.	3.5	55
38	Translocating the blood-brain barrier using electrostatics. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 44.	3.7	54
39	Dynamic Light Scattering and Optical Absorption Spectroscopy Study of pH and Temperature Stabilities of the Extracellular Hemoglobin of <i>Glossoscolex paulistus</i> . <i>Biophysical Journal</i> , 2008, 94, 2228-2240.	0.5	52
40	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, 6215-6223.	13.7	51
41	Conjugation of Cholesterol to HIV-1 Fusion Inhibitor C34 Increases Peptide-Membrane Interactions Potentiating Its Action. <i>PLoS ONE</i> , 2013, 8, e60302.	2.5	49
42	Separating the turbidity spectra of vesicles from the absorption spectra of membrane probes and other chromophores. <i>European Biophysics Journal</i> , 1997, 26, 253-259.	2.2	48
43	Variations on Fibrinogen-Erythrocyte Interactions during Cell Aging. <i>PLoS ONE</i> , 2011, 6, e18167.	2.5	47
44	Synergistic and antibiofilm activity of the antimicrobial peptide P5 against carbapenem-resistant <i>Pseudomonas aeruginosa</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1329-1337.	2.6	47
45	Anionic Lipids Are Required for Vesicular Stomatitis Virus G Protein-mediated Single Particle Fusion with Supported Lipid Bilayers. <i>Journal of Biological Chemistry</i> , 2013, 288, 12416-12425.	3.4	46
46	A polyalanine peptide derived from polar fish with anti-infectious activities. <i>Scientific Reports</i> , 2016, 6, 21385.	3.3	46
47	Psd1 Effects on <i>Candida albicans</i> Planktonic Cells and Biofilms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 249.	3.9	46
48	Understanding Dengue Virus Capsid Protein Disordered N-Terminus and pep14-23-Based Inhibition. <i>ACS Chemical Biology</i> , 2015, 10, 517-526.	3.4	45
49	Broad spectrum antiviral activity for paramyxoviruses is modulated by biophysical properties of fusion inhibitory peptides. <i>Scientific Reports</i> , 2017, 7, 43610.	3.3	45
50	Singlet oxygen effects on lipid membranes: implications for the mechanism of action of broad-spectrum viral fusion inhibitors. <i>Biochemical Journal</i> , 2014, 459, 161-170.	3.7	42
51	Dengue and Zika Viruses: Epidemiological History, Potential Therapies, and Promising Vaccines. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 150.	2.3	41
52	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.	4.7	40
53	HIV-1 Fusion Inhibitor Peptides Enfuvirtide and T-1249 Interact with Erythrocyte and Lymphocyte Membranes. <i>PLoS ONE</i> , 2010, 5, e9830.	2.5	38
54	Selective antibacterial activity of the cationic peptide PaDBS1R6 against Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1375-1387.	2.6	38

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55	Complexation and Full Characterization of the Tretinoin and Dimethyl- $\beta$ -Cyclodextrin Complex. <i>AAPS PharmSciTech</i> , 2011, 12, 553-563.	3.3	36
56	Infection by Plasmodium changes shape and stiffness of hepatic cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 17-19.	3.3	36
57	Intracellular Nucleic Acid Delivery by the Supercharged Dengue Virus Capsid Protein. <i>PLoS ONE</i> , 2013, 8, e81450.	2.5	36
58	Rethinking the capsid proteins of enveloped viruses: multifunctionality from genome packaging to genome transfection. <i>FEBS Journal</i> , 2015, 282, 2267-2278.	4.7	36
59	Novel tretinoin formulations: a drug-in-cyclodextrin-in-liposome approach. <i>Journal of Liposome Research</i> , 2013, 23, 211-219.	3.3	35
60	Structural and functional evaluation of the palindromic alanine-rich antimicrobial peptide Pa -MAP2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1488-1498.	2.6	35
61	Methods for Lipid Droplet Biophysical Characterization in Flaviviridae Infections. <i>Frontiers in Microbiology</i> , 2018, 9, 1951.	3.5	35
62	Molecular characterization of the interaction of crotamine-derived nucleolar targeting peptides with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2707-2717.	2.6	34
63	Improvement of HIV fusion inhibitor C34 efficacy by membrane anchoring and enhanced exposure. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1286-1297.	3.0	34
64	Evaluation of the membrane lipid selectivity of the pea defensin Psd1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1420-1426.	2.6	33
65	Modulation of membrane properties of lung cancer cells by azurin enhances the sensitivity to EGFR-targeted therapy and decreased $\alpha$ 5 $\beta$ 1 integrin-mediated adhesion. <i>Cell Cycle</i> , 2016, 15, 1415-1424.	2.6	33
66	Probing Surface Properties of Cytochrome <i>c</i> at Au Bionanoconjugates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16340-16347.	3.1	32
67	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, 1234-1243.	2.6	32
68	Fast and potent bactericidal membrane lytic activity of PaDBS1R1, a novel cationic antimicrobial peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 178-190.	2.6	32
69	Drug-lipid interaction evaluation: why a 19th century solution?. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 449-454.	8.7	31
70	Deletion of the rodent malaria ortholog for falcipain-1 highlights differences between hepatic and blood stage merozoites. <i>PLoS Pathogens</i> , 2017, 13, e1006586.	4.7	31
71	Essential arterial hypertension patients present higher cell adhesion forces, contributing to fibrinogen-dependent cardiovascular risk. <i>Nanoscale</i> , 2017, 9, 14897-14906.	5.6	30
72	Studies on interaction of green silver nanoparticles with whole bacteria by surface characterization techniques. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1086-1092.	2.6	30

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73	West Nile Virus Capsid Protein Interacts With Biologically Relevant Host Lipid Systems. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 8.	3.9	29
74	Fluorescence spectroscopy evaluation of fibrinogen- <sup>125</sup> I-estradiol binding. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 86, 170-176.	3.8	27
75	Interaction of peptides with biomembranes assessed by potential-sensitive fluorescent probes. <i>Journal of Peptide Science</i> , 2008, 14, 407-415.	1.4	27
76	Effective <i>in Vivo</i> 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.	3.6	26
77	Antibiofilm Activity on <i>Candida albicans</i> and Mechanism of Action on Biomembrane Models of the Antimicrobial Peptide Ctn[15-34]. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8339.	4.1	26
78	Biochemical, biophysical and haemorheological effects of dimethylsulphoxide on human erythrocyte calcium loading. <i>Cell Calcium</i> , 2002, 31, 183-188.	2.4	25
79	Thermal stability of extracellular hemoglobin of <i>Glossoscolex paulistus</i> : Determination of activation parameters by optical spectroscopic and differential scanning calorimetric studies. <i>Biophysical Chemistry</i> , 2010, 152, 128-138.	2.8	25
80	Effect of 25-hydroxycholesterol in viral membrane fusion: Insights on HIV inhibition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1171-1178.	2.6	24
81	Gramicidin D and Dithiothreitol Effects on Erythrocyte Exovesiculation. <i>Cell Biochemistry and Biophysics</i> , 2005, 43, 419-430.	1.8	23
82	Efficient Cellular Delivery of <sup>125</sup> I-Galactosidase Mediated by NrTPs, a New Family of Cell-Penetrating Peptides. <i>Bioconjugate Chemistry</i> , 2011, 22, 2339-2344.	3.6	23
83	Antifungal nanofibers made by controlled release of sea animal derived peptide. <i>Nanoscale</i> , 2015, 7, 6238-6246.	5.6	23
84	Antimicrobial Peptide rBPI21: A Translational Overview from Bench to Clinical Studies. <i>Current Protein and Peptide Science</i> , 2012, 13, 611-619.	1.4	22
85	Atomic force microscopy and force spectroscopy on the assessment of protein folding and functionality. <i>Archives of Biochemistry and Biophysics</i> , 2013, 531, 116-127.	3.0	22
86	Study of surface damage on cell envelope assessed by AFM and flow cytometry of <i>Lactobacillus plantarum</i> exposed to ethanol and dehydration. <i>Journal of Applied Microbiology</i> , 2015, 118, 1409-1417.	3.1	22
87	Structural and Functional Properties of the Capsid Protein of Dengue and Related Flavivirus. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3870.	4.1	22
88	Fibrinogen-erythrocyte binding and hemorheology measurements in the assessment of essential arterial hypertension patients. <i>Nanoscale</i> , 2019, 11, 2757-2766.	5.6	22
89	Fluorescent Probes DPH, TMA-DPH and C17-HC Induce Erythrocyte Exovesiculation. <i>Journal of Membrane Biology</i> , 2002, 190, 75-82.	2.1	21
90	Kinetic uptake profiles of cell penetrating peptides in lymphocytes and monocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4554-4563.	2.4	21

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91	Anti-HIV-1 antibodies 2F5 and 4E10 interact differently with lipids to bind their epitopes. <i>Aids</i> , 2011, 25, 419-428.	2.2	20
92	rBPI21 interacts with negative membranes endothermically promoting the formation of rigid multilamellar structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2419-2427.	2.6	20
93	Uptake and cellular distribution of nucleolar targeting peptides (<scp>N</scp>r<scp>TP</scp>s) in different cell types. <i>Biopolymers</i> , 2015, 104, 101-109.	2.4	20
94	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, 270-274.	2.1	19
95	Understanding Dengue Virus Capsid Protein Interaction with Key Biological Targets. <i>Scientific Reports</i> , 2015, 5, 10592.	3.3	19
96	Fold-Unfold Transitions in the Selectivity and Mechanism of Action of the N-Terminal Fragment of the Bactericidal/Permeability-Increasing Protein (rBPI21). <i>Biophysical Journal</i> , 2009, 96, 987-996.	0.5	18
97	Atomic force microscopy and graph analysis to study the P-cadherin/SFK mechanotransduction signalling in breast cancer cells. <i>Nanoscale</i> , 2016, 8, 19390-19401.	5.6	18
98	Structural characterization (shape and dimensions) and stability of polysaccharide/lipid nanoparticles. <i>Biopolymers</i> , 1997, 41, 511-520.	2.4	17
99	Psd2 pea defensin shows a preference for mimetic membrane rafts enriched with glucosylceramide and ergosterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 713-728.	2.6	17
100	Lipossomas: a bala mágica acertou?. <i>Quimica Nova</i> , 2002, 25, 1181-1185.	0.3	15
101	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, 1777-1785.	2.6	15
102	Effects of singlet oxygen generated by a broad-spectrum viral fusion inhibitor on membrane nanoarchitecture. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1163-1167.	3.3	15
103	Interactions of <i>de novo</i> -designed peptides with bacterial membranes: Implications in the antimicrobial activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183443.	2.6	15
104	Peptides as models for the structure and function of viral capsid proteins: Insights on dengue virus capsid. <i>Biopolymers</i> , 2013, 100, 325-336.	2.4	14
105	SRC inhibition prevents P-cadherin mediated signaling and function in basal-like breast cancer cells. <i>Cell Communication and Signaling</i> , 2018, 16, 75.	6.5	14
106	An Insight on the Leading HIV Entry Inhibitors. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2006, 1, 67-73.	0.8	13
107	Antiviral Lipopeptide-Cell Membrane Interaction Is Influenced by PEG Linker Length. <i>Molecules</i> , 2017, 22, 1190.	3.8	13
108	Sensing adhesion forces between erythrocytes and $\beta$ -fibrinogen, modulating fibrin clot architecture and function. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 909-918.	3.3	13

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109	Cell surface damage and morphological changes in <i>Oenococcus oeni</i> after freeze-drying and incubation in synthetic wine. <i>Cryobiology</i> , 2018, 82, 15-21.	0.7	13
110	Neuropeptide receptors as potential pharmacological targets for obesity. , 2019, 196, 59-78.		13
111	25-Hydroxycholesterol Effect on Membrane Structure and Mechanical Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2574.	4.1	13
112	Using plasma-mediated covalent functionalization of rhamnolipids on polydimethylsiloxane towards the antimicrobial improvement of catheter surfaces. <i>Materials Science and Engineering C</i> , 2022, 134, 112563.	7.3	13
113	Why are HIV-1 fusion inhibitors not effective against SARS-CoV? Biophysical evaluation of molecular interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 55-61.	2.4	12
114	Biological activity of antibacterial peptides matches synergism between electrostatic and non electrostatic forces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 363-371.	5.0	12
115	Structural requirements of glycosaminoglycans for their interaction with HIV-1 envelope glycoprotein gp120. <i>Archives of Virology</i> , 2014, 159, 555-560.	2.1	12
116	Study of the interactions of bovine serum albumin with a molybdenum(II) carbonyl complex by spectroscopic and molecular simulation methods. <i>PLoS ONE</i> , 2018, 13, e0204624.	2.5	12
117	Fast NMR method to probe solvent accessibility and disordered regions in proteins. <i>Scientific Reports</i> , 2019, 9, 1647.	3.3	12
118	Combining 25-Hydroxycholesterol with an HIV Fusion Inhibitor Peptide: Interaction with Biomembrane Model Systems and Human Blood Cells. <i>ACS Infectious Diseases</i> , 2019, 5, 582-591.	3.8	12
119	Reconstitution of Phospholipid Bilayer by an Atomic Force Microscope Tip. <i>Biophysical Journal</i> , 1998, 75, 2119-2120.	0.5	11
120	Conjugated linoleic acid reduces permeability and fluidity of adipose plasma membranes from obese Zucker rats. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 199-204.	2.1	11
121	Lipid composition is a determinant for human defensin hnp1 selectivity. <i>Biopolymers</i> , 2012, 98, 313-321.	2.4	11
122	EcDBS1R4, an Antimicrobial Peptide Effective against <i>Escherichia coli</i> with In Vitro Fusogenic Ability. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9104.	4.1	11
123	Biophysical Properties and Antiviral Activities of Measles Fusion Protein Derived Peptide Conjugated with 25-Hydroxycholesterol. <i>Molecules</i> , 2017, 22, 1869.	3.8	10
124	Insights into the mode of action of the two-peptide lantibiotic lichenicidin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112308.	5.0	10
125	Fibrinogen- $\hat{1}^2$ -Estradiol Binding Studied by Fluorescence Spectroscopy: Denaturation and pH Effects. <i>Journal of Fluorescence</i> , 2006, 16, 207-213.	2.5	9
126	Controlled adsorption of cytochrome c to nanostructured gold surfaces. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	9



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127	Differences in lipid deposition and adipose membrane biophysical properties from lean and obese pigs under dietary protein restriction. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 170-175.	2.1	9
128	Aquaporin-3 and Aquaporin-5 Facilitate Migration and Cell-Cell Adhesion in Pancreatic Cancer by Modulating Cell Biomechanical Properties. <i>Cells</i> , 2022, 11, 1308.	4.1	8
129	Structural characterization of organized systems of polysaccharides and phospholipids by light scattering spectroscopy and electron microscopy. <i>Carbohydrate Research</i> , 1997, 300, 31-40.	2.3	7
130	Lipophilicity is a key factor to increase the antiviral activity of HIV neutralizing antibodies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 311-316.	5.0	7
131	Intrinsically disordered protein domains in flavivirus infection. <i>Archives of Biochemistry and Biophysics</i> , 2020, 683, 108298.	3.0	7
132	Mice with Type 2 Diabetes Present Significant Alterations in Their Tissue Biomechanical Properties and Histological Features. <i>Biomedicine</i> , 2022, 10, 57.	3.2	7
133	Neuroprotective effects on microglia and insights into the structure-activity relationship of an antioxidant peptide isolated from <i>Pelophylax perezii</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2793-2807.	3.6	7
134	A colorimetric process to visualize erythrocyte exovesicles aggregates. <i>Biochemistry and Molecular Biology Education</i> , 2004, 32, 250-253.	1.2	6
135	Cationic liposomes are possible drug-delivery systems for HIV fusion inhibitor sifuvirtide. <i>Soft Matter</i> , 2011, 7, 11089.	2.7	6
136	Effects of <i>Penicillium chrysogenum</i> var. <i>halopenolicum</i> on kraft lignin: color stabilization and cytotoxicity evaluation. <i>3 Biotech</i> , 2016, 6, 102.	2.2	6
137	Interaction of S-layer proteins of <i>Lactobacillus kefir</i> with model membranes and cells. <i>Journal of Liposome Research</i> , 2018, 28, 117-125.	3.3	6
138	Polyalanine peptide variations may have different mechanisms of action against multidrug-resistant bacterial pathogens. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1174-1186.	3.0	6
139	The Pseudo-Circular Genomes of Flaviviruses: Structures, Mechanisms, and Functions of Circularization. <i>Cells</i> , 2021, 10, 642.	4.1	6
140	Assessing the potential of the two-peptide lantibiotic lichenicidin as a new generation antimicrobial. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 18.	3.6	6
141	Continuous particle size distribution analysis with dynamic light scattering. <i>Journal of Proteomics</i> , 1998, 36, 101-117.	2.4	5
142	Changes in Blood Cell Membrane Properties in HIV Type-1-Infected Patients. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 849-853.	1.1	5
143	Enfuvirtide effects on human erythrocytes and lymphocytes functional properties. <i>Journal of Peptide Science</i> , 2008, 14, 448-454.	1.4	5
144	Nanomechanics of Blood Clot and Thrombus Formation. <i>Annual Review of Biophysics</i> , 2022, 51, 201-221.	10.0	5

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145	PTEN meets DMSO. <i>Leukemia Research</i> , 2005, 29, 361-362.	0.8	4
146	Impact of $\beta$ fibrinogen interaction with red blood cells on fibrin clots. <i>Nanomedicine</i> , 2018, 13, 2491-2505.	3.3	4
147	Lipid membrane-based therapeutics and diagnostics. <i>Archives of Biochemistry and Biophysics</i> , 2021, 704, 108858.	3.0	4
148	Cholesteryl hemiazelate causes lysosome dysfunction impacting vascular smooth muscle cell homeostasis. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	4
149	The pH-sensitive action of cholesterol-conjugated peptide inhibitors of influenza virus. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183762.	2.6	4
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