

Fernando Danilo González Nilo

List of Publications by Year in descending order

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155
papers

3,333
citations

159358

30
h-index

197535

49
g-index

155
all docs

155
docs citations

155
times ranked

4972
citing authors

#	ARTICLE	IF	CITATIONS
1	Unnexins: Homologs of innexin proteins in <i>Trypanosomatidae</i> parasites. <i>Journal of Cellular Physiology</i> , 2022, 237, 1547-1560.	2.0	3
2	The Emergence of New Catalytic Abilities in an Endoxylanase from Family GH10 by Removing an Intrinsically Disordered Region. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2315.	1.8	2
3	Excessive release of inorganic polyphosphate by ALS/FTD astrocytes causes non-cell-autonomous toxicity to motoneurons. <i>Neuron</i> , 2022, 110, 1656-1670.e12.	3.8	33
4	Endogenous pannexin1 channels form functional intercellular cell-cell channels with characteristic voltage-dependent properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202104119.	3.3	17
5	Mechanism of voltage sensing in Ca ²⁺ - and voltage-activated K ⁺ (BK) channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
6	Physicochemical Characterization of PHBV Nanoparticles Functionalized with Multiple Bioactives Designed to be Theranostics for Lung Cancer. <i>Journal of Cluster Science</i> , 2021, 32, 1563-1574.	1.7	1
7	Different Classes of Antidepressants Inhibit the Rat $\alpha 7$ Nicotinic Acetylcholine Receptor by Interacting within the Ion Channel: A Functional and Structural Study. <i>Molecules</i> , 2021, 26, 998.	1.7	8
8	Temperature Sensitivity in the TRPM8 Channel is Harbored at the C-Terminal Domain. <i>Biophysical Journal</i> , 2021, 120, 335a.	0.2	0
9	A physiologic rise in cytoplasmic calcium ion signal increases pannexin1 channel activity via a C-terminus phosphorylation by CaMKII. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2108967118.	3.3	16
10	Theobroma cacao L. compounds: Theoretical study and molecular modeling as inhibitors of main SARS-CoV-2 protease. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111764.	2.5	17
11	Thermodynamic and structural basis of temperature-dependent gating in TRP channels. <i>Biochemical Society Transactions</i> , 2021, 49, 2211-2219.	1.6	4
12	Biotransformation of 2,4,6-Trinitrotoluene by <i>Pseudomonas</i> sp. TNT3 isolated from Deception Island, Antarctica. <i>Environmental Pollution</i> , 2020, 262, 113922.	3.7	22
13	A rationally designed orthogonal synthetase for genetically encoded fluorescent amino acids. <i>Heliyon</i> , 2020, 6, e05140.	1.4	2
14	Stretch-Induced Activation of Pannexin 1 Channels Can Be Prevented by PKA-Dependent Phosphorylation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9180.	1.8	19
15	Novel TRPV1 Channel Agonists With Faster and More Potent Analgesic Properties Than Capsaicin. <i>Frontiers in Pharmacology</i> , 2020, 11, 1040.	1.6	8
16	A folding reaction at the C-terminal domain drives temperature sensing in TRPM8 channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20298-20304.	3.3	21
17	Dynamin-2 R465W mutation induces long range perturbation in highly ordered oligomeric structures. <i>Scientific Reports</i> , 2020, 10, 18151.	1.6	1
18	Structural determinants of TRPV4 inhibition and identification of new antagonists with antiviral activity. <i>British Journal of Pharmacology</i> , 2020, , .	2.7	17

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19	PLIDflow: an open-source workflow for the online analysis of protein-ligand docking using galaxy. <i>Bioinformatics</i> , 2020, 36, 4203-4205.	1.8	2
20	Cationic Carbosilane Dendritic Systems as Promising Anti-Amyloid Agents in Type-2 Diabetes. <i>Chemistry - A European Journal</i> , 2020, 26, 7609-7621.	1.7	10
21	In Silico Study of Coumarins and Quinolines Derivatives as Potent Inhibitors of SARS-CoV-2 Main Protease. <i>Frontiers in Chemistry</i> , 2020, 8, 595097.	1.8	28
22	Inorganic polyphosphate as an energy source in tumorigenesis. <i>Oncotarget</i> , 2020, 11, 4613-4624.	0.8	7
23	The molecular nature of the 17 β -Estradiol binding site in the voltage- and Ca ²⁺ -activated K ⁺ (BK) channel γ 1 subunit. <i>Scientific Reports</i> , 2019, 9, 9965.	1.6	14
24	Odd Loop Regions of XenA and XenB Enzymes Modulate Their Interaction with Nitro-explosives Compounds and Provide Structural Support for Their Regioselectivity. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3860-3870.	2.5	3
25	Integration of target discovery, drug discovery and drug delivery: A review on computational strategies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1554.	3.3	27
26	Molecular Elements for Temperature Detection in TRPM8 Channel. <i>Biophysical Journal</i> , 2018, 114, 643a.	0.2	0
27	Novel Insights for Inhibiting Mutant Heterodimer IDH1wt-R132H in Cancer: An In-Silico Approach. <i>Molecular Diagnosis and Therapy</i> , 2018, 22, 369-380.	1.6	2
28	Anionic Carbosilane Dendrimers Destabilize the GP120-CD4 Complex Blocking HIV-1 Entry and Cell to Cell Fusion. <i>Bioconjugate Chemistry</i> , 2018, 29, 1584-1594.	1.8	26
29	<i>Penicillium purpurogenum</i> produces a novel endo-1,5-arabinanase, active on debranched arabinan, short arabinooligosaccharides and on the artificial substrate p-nitrophenyl arabinofuranoside. <i>Carbohydrate Research</i> , 2018, 455, 106-113.	1.1	4
30	Thermally activated TRP channels: molecular sensors for temperature detection. <i>Physical Biology</i> , 2018, 15, 021001.	0.8	80
31	Selecting optimal mixtures of natural sweeteners for carbonated soft drinks through multi-objective decision modeling and sensory validation. <i>Journal of Sensory Studies</i> , 2018, 33, e12466.	0.8	11
32	Self-Assembly Behavior of Amphiphilic Janus Dendrimers in Water: A Combined Experimental and Coarse-Grained Molecular Dynamics Simulation Approach. <i>Molecules</i> , 2018, 23, 969.	1.7	8
33	Thermal Diffusion Pathways of TRPV1. <i>Biophysical Journal</i> , 2018, 114, 481a.	0.2	0
34	Experimental and Computational Characterization of the Interaction between Gold Nanoparticles and Polyamidoamine Dendrimers. <i>Langmuir</i> , 2018, 34, 10063-10072.	1.6	11
35	Engineering Atrazine Loaded Poly (lactic-co-glycolic Acid) Nanoparticles to Ameliorate Environmental Challenges. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7889-7898.	2.4	47
36	Structural analysis of binding functionality of folic acid-PEG dendrimers against folate receptor. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 72, 201-208.	1.3	10

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37	Intracellular trafficking and cellular uptake mechanism of PHBV nanoparticles for targeted delivery in epithelial cell lines. <i>Journal of Nanobiotechnology</i> , 2017, 15, 1.	4.2	115
38	Increasing the intracellular isoprenoid pool in <i>Saccharomyces cerevisiae</i> by structural fine-tuning of a bifunctional farnesyl diphosphate synthase. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	10
39	Structural determinants of 5 α - $\Delta^2,6\alpha$ -epoxyeicosatrienoic acid binding to and activation of TRPV4 channel. <i>Scientific Reports</i> , 2017, 7, 10522.	1.6	53
40	Molecular Determinants of BK Channel Functional Diversity and Functioning. <i>Physiological Reviews</i> , 2017, 97, 39-87.	13.1	213
41	The complex of PAMAM-OH dendrimer with Angiotensin (1–7) prevented the disuse-induced skeletal muscle atrophy in mice. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1985-1999.	3.3	29
42	Structure and application of antifreeze proteins from Antarctic bacteria. <i>Microbial Cell Factories</i> , 2017, 16, 138.	1.9	70
43	Multiscale Molecular Simulations Applied to Nucleic Acid-Dendrimer Interactions Studies. <i>Current Pharmaceutical Design</i> , 2017, 23, 3062-3075.	0.9	6
44	Effective pore size and radius of capture for K ⁺ ions in K-channels. <i>Scientific Reports</i> , 2016, 6, 19893.	1.6	19
45	Self-Assembly of Amphiphilic Dendrimers: The Role of Generation and Alkyl Chain Length in siRNA Interaction. <i>Scientific Reports</i> , 2016, 6, 29436.	1.6	30
46	Structural Characterization of Ligand-Specific Interactions in TRPV1 Channel: Gating Mechanism by Capsaicin and Capsazepine. <i>Biophysical Journal</i> , 2016, 110, 284a.	0.2	0
47	β 1-subunit α -induced structural rearrangements of the Ca ²⁺ - and voltage-activated K ⁺ (BK) channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3231-9.	3.3	14
48	Mechanistic Studies on the Self-Assembly of PLGA Patchy Particles and Their Potential Applications in Biomedical Imaging. <i>Langmuir</i> , 2016, 32, 7929-7942.	1.6	16
49	Putative binding mode of <i>Escherichia coli</i> exopolyphosphatase and polyphosphates based on a hybrid in silico/biochemical approach. <i>Archives of Biochemistry and Biophysics</i> , 2016, 606, 64-72.	1.4	1
50	Effect of Several HIV Antigens Simultaneously Loaded with G2-NN16 Carbosilane Dendrimer in the Cell Uptake and Functionality of Human Dendritic Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 2844-2849.	1.8	8
51	Docking and Molecular Dynamics of Steviol Glycoside α -Human Bitter Receptor Interactions. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7585-7596.	2.4	26
52	Effect of Terminal Groups of Dendrimers in the Complexation with Antisense Oligonucleotides and Cell Uptake. <i>Nanoscale Research Letters</i> , 2016, 11, 66.	3.1	24
53	Structure-Driven Pharmacology of Transient Receptor Potential Channel Vanilloid 1. <i>Molecular Pharmacology</i> , 2016, 90, 300-308.	1.0	18
54	In Silico Characterization of Double Knot Toxin Binding to TRPV1 Channel. <i>Biophysical Journal</i> , 2016, 110, 324a.	0.2	0

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55	Molecular Dynamics Simulations of Membrane Translocation of Dendrimers. <i>Biophysical Journal</i> , 2016, 110, 571a.	0.2	0
56	Location of TEMPO derivatives in micelles: subtle effect of the probe orientation. <i>Food Chemistry</i> , 2016, 192, 395-401.	4.2	35
57	Effects of the Accessory Subunit $\hat{\Gamma}^31$ on the External Architecture of BK Channel. <i>Biophysical Journal</i> , 2015, 108, 23a.	0.2	0
58	The Role of the Ion Dehydration Process in Low and High Conductance K Channels. <i>Biophysical Journal</i> , 2015, 108, 320a.	0.2	0
59	Rational discovery of new capsaicin analogues as TRPV1 activators. <i>BMC Bioinformatics</i> , 2015, 16, .	1.2	1
60	Hydrophobic interaction between contiguous residues in the S6 transmembrane segment acts as a stimuli integration node in the BK channel. <i>Journal of General Physiology</i> , 2015, 145, 61-74.	0.9	18
61	Hydrogen peroxide and hypochlorous acid influx through the major <i>S. Typhimurium</i> porin OmpD is affected by substitution of key residues of the channel. <i>Archives of Biochemistry and Biophysics</i> , 2015, 568, 38-45.	1.4	16
62	Molecular Determinants of Phosphatidylinositol 4,5-Bisphosphate (PI(4,5)P2) Binding to Transient Receptor Potential V1 (TRPV1) Channels. <i>Journal of Biological Chemistry</i> , 2015, 290, 2086-2098.	1.6	65
63	Pore dimensions and the role of occupancy in unitary conductance of Shaker K channels. <i>Journal of General Physiology</i> , 2015, 146, 133-146.	0.9	28
64	PAMAM G4 dendrimers as inhibitors of the iron storage properties of human L-chain ferritin. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19001-19011.	1.3	14
65	Interaction between the Linker, Pre-S1, and TRP Domains Determines Folding, Assembly, and Trafficking of TRPV Channels. <i>Structure</i> , 2015, 23, 1404-1413.	1.6	21
66	Photophysical studies of the interactions of poly(amidoamine) generation zero (PAMAM G0) with copper and zinc ions. <i>Journal of Luminescence</i> , 2015, 164, 23-30.	1.5	6
67	Development of a nanoparticle-based oral vaccine for Atlantic salmon against ISAV using an alphavirus replicon as adjuvant. <i>Fish and Shellfish Immunology</i> , 2015, 45, 157-166.	1.6	54
68	Synthesis, Biological Evaluation, and Molecular Simulation of Chalcones and Aurones as Selective MAO-B Inhibitors. <i>Chemical Biology and Drug Design</i> , 2015, 85, 685-695.	1.5	45
69	Experimental and theoretical binding affinity between polyvinylpolypyrrolidone and selected phenolic compounds from food matrices. <i>Food Chemistry</i> , 2015, 168, 464-470.	4.2	28
70	Synthesis and characterization of an insoluble polymer based on polyamidoamine: Applications for the decontamination of metals in aqueous systems. <i>Journal of Environmental Management</i> , 2015, 147, 321-329.	3.8	10
71	Biomimetics: From Bioinformatics to Rational Design of Dendrimers as Gene Carriers. <i>PLoS ONE</i> , 2015, 10, e0138392.	1.1	14
72	Nano-Detoxification of Organophosphate Agents by PAMAM Derivatives. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	7

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73	Identification and Functional Expression of a Glutamate- and Avermectin-Gated Chloride Channel from <i>Caligus rogercresseyi</i> , a Southern Hemisphere Sea Louse Affecting Farmed Fish. <i>PLoS Pathogens</i> , 2014, 10, e1004402.	2.1	14
74	LprG-Mediated Surface Expression of Lipoarabinomannan Is Essential for Virulence of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004376.	2.1	82
75	The C-Terminal Regions Have an Important Role in the Activity of the Ferroxidase Center and the Stability of <i>Chlorobium tepidum</i> Ferritin. <i>Protein Journal</i> , 2014, 33, 211-220.	0.7	6
76	pH-dependent nano-capturing of tartaric acid using dendrimers. <i>Soft Matter</i> , 2014, 10, 600-608.	1.2	8
77	The crystal structure of ferritin from <i>Chlorobium tepidum</i> reveals a new conformation of the 4-fold channel for this protein family. <i>Biochimie</i> , 2014, 106, 39-47.	1.3	13
78	Block copolymers in the synthesis of gold nanoparticles. Two new approaches: Copolymer aggregates as reductants and stabilizers and simultaneous formation of copolymer aggregates and gold nanoparticles. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3069-3079.	2.5	15
79	Substitutions at F380 in S6 by Small Hydrophobic Amino Acids Makes the Opening Transition in BK Channels Rate Limiting. <i>Biophysical Journal</i> , 2014, 106, 437a.	0.2	0
80	Turning a Small into Large Conductance K-Channel - How Far Can We Go?. <i>Biophysical Journal</i> , 2014, 106, 538a-539a.	0.2	0
81	Insights into the Ion Permeation Process of High and Low Conductance K-Channels using Non-Equilibrium Molecular Dynamics. <i>Biophysical Journal</i> , 2014, 106, 539a.	0.2	0
82	External Architecture of the Large-Conductance Ca ²⁺ and Voltage-Activated K ⁺ (BKCa) Revealed by a Spectroscopic Ruler. <i>Biophysical Journal</i> , 2013, 104, 367a.	0.2	0
83	<i>Penicillium purpurogenum</i> produces two GH family 43 enzymes with β -xylosidase activity, one monofunctional and the other bifunctional: Biochemical and structural analyses explain the difference. <i>Archives of Biochemistry and Biophysics</i> , 2013, 540, 117-124.	1.4	21
84	Paclitaxel-PHBV nanoparticles and their toxicity to endometrial and primary ovarian cancer cells. <i>Biomaterials</i> , 2013, 34, 4098-4108.	5.7	87
85	Calculating Position-Dependent Diffusivity in Biased Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 876-882.	2.3	64
86	Computationally Efficient Methodology for Atomic-Level Characterization of Dendrimer-Drug Complexes: A Comparison of Amine- and Acetyl-Terminated PAMAM. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6801-6813.	1.2	80
87	In Silico Analysis of Putative Paralytic Shellfish Poisoning Toxins Export Proteins in Cyanobacteria. <i>PLoS ONE</i> , 2013, 8, e55664.	1.1	10
88	The pH sensor of the plant K ⁺ -uptake channel KAT1 is built from a sensory cloud rather than from single key amino acids. <i>Biochemical Journal</i> , 2012, 442, 57-63.	1.7	20
89	Mg ²⁺ Blockade in a Kv Potassium Channel Mutant having an Unusually High Conductance. <i>Biophysical Journal</i> , 2012, 102, 677a.	0.2	0
90	Study of Interaction Energies between the PAMAM Dendrimer and Nonsteroidal Anti-Inflammatory Drug Using a Distributed Computational Strategy and Experimental Analysis by ESI-MS/MS. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2031-2039.	1.2	59

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91	Molecular Basis of Drug Resistance in A/H1N1 Virus. Journal of Chemical Information and Modeling, 2012, 52, 2650-2656.	2.5	23
92	K ⁺ Conduction and Mg ²⁺ Blockade in a Shaker Kv-Channel Single Point Mutant with an Unusually High Conductance. Biophysical Journal, 2012, 103, 1198-1207.	0.2	9
93	Insight into the Properties of Cardiolipin Containing Bilayers from Molecular Dynamics Simulations, Using a Hybrid All-Atom/United-Atom Force Field. Journal of Chemical Theory and Computation, 2012, 8, 1765-1773.	2.3	29
94	Nanoinformatics: developing new computing applications for nanomedicine. Computing (Vienna/New) Tj ETQq0 0 0 pgBT /Overlock 10 T	3.2	15
95	Biosynthesis of Methoxypyrazines: Elucidating the Structural/Functional Relationship of Two <i>Vitis vinifera</i> O-Methyltransferases Capable of Catalyzing the Putative Final Step of the Biosynthesis of 3-Alkyl-2-Methoxypyrazine.. Journal of Agricultural and Food Chemistry, 2011, 59, 7310-7316.	2.4	23
96	Ion Conduction in a Shaker Potassium Channel Mutant Having an Unusually High Single Channel Conductance. Biophysical Journal, 2011, 100, 564a-565a.	0.2	0
97	Nanoinformatics: an emerging area of information technology at the intersection of bioinformatics, computational chemistry and nanobiotechnology. Biological Research, 2011, 44, 43-51.	1.5	27
98	Supramolecular complexes of quantum dots and a polyamidoamine (PAMAM)-folate derivative for molecular imaging of cancer cells. Analytical and Bioanalytical Chemistry, 2011, 400, 483-492.	1.9	32
99	Site-directed mutations and kinetic studies show key residues involved in alkylammonium interactions and reveal two sites for phosphorylcholine in <i>Pseudomonas aeruginosa</i> phosphorylcholine phosphatase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 858-863.	1.1	7
100	Gating of a pH-Sensitive K2P Potassium Channel by an Electrostatic Effect of Basic Sensor Residues on the Selectivity Filter. PLoS ONE, 2011, 6, e16141.	1.1	32
101	Photophysics and photochemistry of dyes bound to human serum albumin are determined by the dye localization. Photochemical and Photobiological Sciences, 2010, 9, 93-102.	1.6	61
102	A Molecular Model for the Bkca Channel and the Location of B1 in the B1/A Subunit Complex. Biophysical Journal, 2010, 98, 127a-128a.	0.2	0
103	Distributed Structures Underlie Gating Differences between the Kin Channel KAT1 and the Kout Channel SKOR. Molecular Plant, 2010, 3, 236-245.	3.9	20
104	Shared and Group-Specific Features of the Rotavirus RNA Polymerase Reveal Potential Determinants of Gene Reassortment Restriction. Journal of Virology, 2009, 83, 6135-6148.	1.5	45
105	Distinct roles of the last transmembrane domain in controlling <i>Arabidopsis</i> K ⁺ channel activity. New Phytologist, 2009, 182, 380-391.	3.5	38
106	Antioxidant reactivity toward nitroxide probes anchored into human serum albumin. A new model for studying antioxidant repairing capacity of protein radicals. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6382-6385.	1.0	3
107	Inclusion complexes containing poly(ϵ -caprolactone)diol and cyclodextrins. Experimental and theoretical studies. Polymer, 2009, 50, 2926-2932.	1.8	7
108	A computational ONIOM model for the description of the H-bond interactions between NU2058 analogues and CDK2 active site. Chemical Physics Letters, 2009, 479, 149-155.	1.2	16

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109	Collaboratory for Structural Nanobiology (CSN), Nanoparticles Database. <i>Biophysical Journal</i> , 2009, 96, 48a.	0.2	0
110	The Collaboratory for Structural Nanobiology. <i>Biophysical Journal</i> , 2009, 96, 49a.	0.2	10
111	Insights into the Structural Basis of N2 and O6 Substituted Guanine Derivatives as Cyclin-Dependent Kinase 2 (CDK2) Inhibitors: Prediction of the Binding Modes and Potency of the inhibitors by Docking and ONIOM Calculations. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 886-899.	2.5	57
112	Dielectric and dynamic-mechanical study of the mobility of poly(t-butylacrylate) chains in diblock copolymers: Polystyrene-b-poly(t-butylacrylate). <i>Polymer</i> , 2008, 49, 5650-5658.	1.8	22
113	2D Autocorrelation, CoMFA, and CoMSIA modeling of protein tyrosine kinasesâ€™ inhibition by substituted pyrido[2,3-d]pyrimidine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 810-821.	1.4	29
114	A CoMSIA study on the adenosine kinase inhibition of pyrrolo[2,3-d]pyrimidine nucleoside analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5103-5108.	1.4	5
115	Structural requirements of pyrido[2,3-d]pyrimidin-7-one as CDK4/D inhibitors: 2D autocorrelation, CoMFA and CoMSIA analyses. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6103-6115.	1.4	32
116	Role of electrostatics on membrane binding, aggregation and destabilization induced by NAD(P)H dehydrogenases. Implication in membrane fusion. <i>Biophysical Chemistry</i> , 2008, 137, 126-132.	1.5	7
117	Docking and Quantitative Structureâ€“Activity Relationship Studies for the Bisphenylbenzimidazole Family of Nonâ€“Nucleoside Inhibitors of HIVâ€“1 Reverse Transcriptase. <i>Chemical Biology and Drug Design</i> , 2008, 72, 360-369.	1.5	30
118	Relevance of Arg457 for the nucleotide affinity of <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1883-1889.	1.2	4
119	Study of the Interaction between Progesterone and Î²-Cyclodextrin by Electrochemical Techniques and Steered Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10194-10201.	1.2	30
120	Intrinsic Electrostatic Potential in the BK Channel Pore: Role in Determining Single Channel Conductance and Block. <i>Journal of General Physiology</i> , 2008, 131, 147-161.	0.9	39
121	Dissection of the components for PIP2 activation and thermosensation in TRP channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10246-10251.	3.3	192
122	In-Silico Nanobio-Design. A New Frontier in Computational Biology. <i>Current Topics in Medicinal Chemistry</i> , 2007, 7, 1537-1540.	1.0	5
123	Neutralization of a single arginine residue gates open a two-pore domain, alkali-activated K+ channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 666-671.	3.3	106
124	Loss of TP53-DNA interaction induced by p.C135R in lung cancer. <i>Oncology Reports</i> , 2007, , .	1.2	2
125	Quantitative Structureâ€“Activity Relationship of Rubiscolin Analogues as Î³ Opioid Peptides Using Comparative Molecular Field Analysis (CoMFA) and Comparative Molecular Similarity Indices Analysis (CoMSIA). <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8101-8104.	2.4	36
126	Relevance of phenylalanine 216 in the affinity of <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase for Mn(II). <i>Protein Journal</i> , 2007, 26, 135-141.	0.7	6

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127	Loss of TP53-DNA interaction induced by p.C135R in lung cancer. <i>Oncology Reports</i> , 2007, 18, 1213-7.	1.2	2
128	Nucleotide specificity of <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase Kinetics, fluorescence spectroscopy, and molecular simulation studies. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 576-588.	1.2	9
129	Site-directed mutagenesis study of the microenvironment characteristics of Lys213 of <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinase. <i>Biochimie</i> , 2006, 88, 663-672.	1.3	11
130	Histidine Triad-like Motif of the Rotavirus NSP2 Octamer Mediates both RTPase and NTPase Activities. <i>Journal of Molecular Biology</i> , 2006, 362, 539-554.	2.0	44
131	Gating of two-pore domain K ⁺ channels by extracellular pH. <i>Biochemical Society Transactions</i> , 2006, 34, 899-902.	1.6	22
132	Molecular dynamics simulation of the aqueous solvation shell of cellulose and xanthate ester derivatives. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 896-901.	0.9	9
133	Blends containing amphiphilic polymers. V. Compatibilization of N-alkylitaconamic acid-co-styrene copolymers with interacting polymers. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2512-2519.	1.3	1
134	Structure-antioxidant activity relationships of flavonoids isolated from the resinous exudate of <i>Heliotropium sinuatum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 309-312.	1.0	45
135	Relative solvation and strength of polycyano- and polynitromethanes in water: a study with molecular dynamics simulations. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 128-133.	0.9	2
136	Role of the Histidine Triad-like Motif in Nucleotide Hydrolysis by the Rotavirus RNA-packaging Protein NSP2. <i>Journal of Biological Chemistry</i> , 2004, 279, 10624-10633.	1.6	36
137	Surface characterization of poly(4-vinylpyridine) quaternized with tetradecyl bromide: effect of the degree of quaternization. <i>Journal of Colloid and Interface Science</i> , 2004, 271, 181-186.	5.0	4
138	Substrate binding to fluorescent labeled wild type, Lys213Arg, and His233Gln <i>Saccharomyces cerevisiae</i> phosphoenolpyruvate carboxykinases. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 861-869.	1.2	7
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142	N-1-alkylitaconamic acids-co-styrene copolymers. Surface characterization. <i>Polymer</i> , 2003, 44, 3969-3975.	1.8	3
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144	Lysine 213 and Histidine 233 Participate in Mn(II) Binding and Catalysis in <i>Saccharomyces cerevisiae</i> Phosphoenolpyruvate Carboxykinase. <i>Biochemistry</i> , 2002, 41, 12763-12770.	1.2	16

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147	Ligand interactions and protein conformational changes of phosphopyridoxyl-labeled <i>Escherichia coli</i> phosphoenolpyruvate carboxykinase determined by fluorescence spectroscopy. <i>FEBS Journal</i> , 2002, 269, 4960-4968.	0.2	11
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