

Neri Niccolai

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

741
citations

516710

16
h-index

552781

26
g-index

38
all docs

38
docs citations

38
times ranked

984
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Bioinformatics to Unveil Weaknesses of Coronavirus Spike Glycoprotein Stability. <i>Methods in Pharmacology and Toxicology</i> , 2021, , 203.	0.2	0
2	Structural bioinformatics survey on disease-inducing missense mutations. <i>Journal of Bioinformatics and Computational Biology</i> , 2021, 19, 2150008.	0.8	0
3	A possible strategy to fight COVID-19: Interfering with spike glycoprotein trimerization. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 35-38.	2.1	21
4	Structural investigation of Rett-inducing MeCP2 mutations. <i>Genes and Diseases</i> , 2019, 6, 31-34.	3.4	5
5	Glycine-induced formation and druggability score prediction of protein surface pockets. <i>Journal of Bioinformatics and Computational Biology</i> , 2019, 17, 1950026.	0.8	8
6	The role of oxidative stress in Friedreich's ataxia. <i>FEBS Letters</i> , 2018, 592, 718-727.	2.8	76
7	Peptides and small molecules blocking the CXCR4/CXCL12 axis overcome bone marrow-induced chemoresistance in acute leukemias. <i>Oncology Reports</i> , 2018, 41, 312-324.	2.6	12
8	A structural bioinformatics investigation on protein-DNA complexes delineates their modes of interaction. <i>Molecular BioSystems</i> , 2017, 13, 1010-1017.	2.9	8
9	Hot spot mapping of protein surfaces with TEMPOL: Bovine pancreatic RNase A as a model system. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 201-207.	2.3	6
10	Investigations into the killing activity of an antimicrobial peptide active against extensively antibiotic-resistant <i>K. pneumoniae</i> and <i>P. aeruginosa</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1796-1804.	2.6	21
11	Toward a generalized computational workflow for exploiting transient pockets as new targets for small molecule stabilizers: Application to the homogentisate 1,2-dioxygenase mutants at the base of rare disease Alkaptonuria. <i>Computational Biology and Chemistry</i> , 2017, 70, 133-141.	2.3	16
12	A Computational Approach From Gene to Structure Analysis of the Human ABCA4 Transporter Involved in Genetic Retinal Diseases. , 2017, 58, 5320.		29
13	On Nature's Strategy for Assigning Genetic Code Multiplicity. <i>PLoS ONE</i> , 2016, 11, e0148174.	2.5	18
14	Cold Denaturation Unveiled: Molecular Mechanism of the Asymmetric Unfolding of Yeast Frataxin. <i>ChemPhysChem</i> , 2015, 16, 3599-3602.	2.1	32
15	Searching for protein binding sites from Molecular Dynamics simulations and paramagnetic fragment-based NMR studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 561-566.	2.3	17
16	Probing the protein space for extending the detection of weak homology folds. <i>Journal of Theoretical Biology</i> , 2013, 320, 152-158.	1.7	7
17	Atom depth analysis delineates mechanisms of protein intermolecular interactions. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 725-729.	2.1	8
18	ProCoCoA: A quantitative approach for analyzing protein core composition. <i>Computational Biology and Chemistry</i> , 2013, 43, 29-34.	2.3	8

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19	SHELTERING FROM AVALANCHES OF BIOLOGICAL DATA: A NEW RESEARCH DIMENSION IN THE POST-GENOMICS ERA. <i>Journal of the Siena Academy of Sciences</i> , 2013, 5, 102.	0.0	0
20	NMR Studies on Structure and Dynamics of the Monomeric Derivative of BS-RNase: New Insights for 3D Domain Swapping. <i>PLoS ONE</i> , 2012, 7, e29076.	2.5	13
21	The use of a ditopic Gd(III) paramagnetic probe for investigating $\hat{I}\pm$ -bungarotoxin surface accessibility. <i>Journal of Inorganic Biochemistry</i> , 2012, 112, 25-31.	3.5	11
22	Hydration studies on the archaeal protein Sso7d using NMR measurements and MD simulations. <i>BMC Structural Biology</i> , 2011, 11, 44.	2.3	10
23	Probing protein surface accessibility with solvent and paramagnetic molecules. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 54, 278-289.	7.5	54
24	Guanidinoneomycin B Recognition of an HIV-1 RNA Helix. <i>ChemBioChem</i> , 2008, 9, 93-102.	2.6	46
25	NMR studies on the surface accessibility of the archaeal protein Sso7d by using TEMPOL and Gd(III)(DTPA-BMA) as paramagnetic probes. <i>Biophysical Chemistry</i> , 2008, 137, 71-75.	2.8	21
26	Measuring the dynamic surface accessibility of RNA with the small paramagnetic molecule TEMPOL. <i>Nucleic Acids Research</i> , 2008, 36, e20-e20.	14.5	25
27	MD and NMR studies of $\hat{I}\pm$ -bungarotoxin surface accessibility. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 114-117.	2.1	14
28	NMR Studies of Lysozyme Surface Accessibility by Using Different Paramagnetic Relaxation Probes. <i>Journal of the American Chemical Society</i> , 2006, 128, 9290-9291.	13.7	31
29	NMR studies of BPTI aggregation by using paramagnetic relaxation reagents. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 856-862.	2.3	14
30	Structurally Driven Selection of Human Hepatitis C Virus Mimotopes. <i>Antiviral Therapy</i> , 2006, 11, 917-922.	1.0	0
31	Three-dimensional computation of atom depth in complex molecular structures. <i>Bioinformatics</i> , 2005, 21, 2856-2860.	4.1	45
32	NMR and MD Studies on the Interaction Between Ligand Peptides and $\hat{I}\pm$ -Bungarotoxin. <i>Journal of Molecular Biology</i> , 2004, 339, 1169-1177.	4.2	6
33	NMR Studies of Protein Hydration and TEMPOL Accessibility. <i>Journal of Molecular Biology</i> , 2003, 332, 437-447.	4.2	38
34	NMR Structure of $\hat{I}\pm$ -Bungarotoxin Free and Bound to a Mimotope of the Nicotinic Acetylcholine Receptor. <i>Biochemistry</i> , 2002, 41, 1457-1463.	2.5	24
35	Probing the surface of a sweet protein: NMR study of MNEI with a paramagnetic probe. <i>Protein Science</i> , 2001, 10, 1498-1507.	7.6	55
36	NMR Studies of Protein Surface Accessibility. <i>Journal of Biological Chemistry</i> , 2001, 276, 42455-42461.	3.4	40