

Nevena Ilieva

List of Publications by Year in descending order

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docs citations

52
times ranked

295
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxation Estimation of RMSD in Molecular Dynamics Immunosimulations. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9.	0.7	70
2	Anyons and the Bose-Fermi duality in the finite-temperature thirring model. Theoretical and Mathematical Physics(Russian Federation), 1999, 121, 1294-1314.	0.3	20
3	Molecular Mechanism of the Anti-Inflammatory Action of Heparin. International Journal of Molecular Sciences, 2021, 22, 10730.	1.8	20
4	Do anyons solve Heisenberg's Ugleichung in one dimension. European Physical Journal C, 1999, 6, 705-714.	1.4	18
5	Self-Association of Antimicrobial Peptides: A Molecular Dynamics Simulation Study on Bombinin. International Journal of Molecular Sciences, 2019, 20, 5450.	1.8	17
6	Molecular modeling of the effects of glycosylation on the structure and dynamics of human interferon-gamma. Journal of Molecular Modeling, 2019, 25, 127.	0.8	16
7	Multigap RPC for PET: development and optimisation of the detector design. Journal of Instrumentation, 2013, 8, P01011-P01011.	0.5	11
8	Bloch spin waves and emergent structure in protein folding with HIV envelope glycoprotein as an example. Physical Review E, 2016, 93, 032409.	0.8	9
9	Intrinsic protein geometry with application to non-proline cis peptide planes. Journal of Mathematical Chemistry, 2019, 57, 263-279.	0.7	9
10	Multistage modeling of protein dynamics with monomeric Myc oncoprotein as an example. Physical Review E, 2017, 95, 032406.	0.8	7
11	DIRAC VARIABLES AND ZERO MODES OF GAUSS CONSTRAINT IN FINITE-VOLUME TWO-DIMENSIONAL QED. International Journal of Modern Physics A, 1999, 14, 3531-3542.	0.5	6
12	Laughlin type wave function for two-dimensional anyon fields in a KMS-state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 504, 201-206.	1.5	6
13	Supersymmetric models for fermions on a lattice. Fortschritte Der Physik, 2006, 54, 124-138.	1.5	6
14	Finding Semirigid Domains in Biomolecules by Clustering Pair-Distance Variations. BioMed Research International, 2014, 2014, 1-13.	0.9	6
15	Intramolecular Domain Movements of Free and Bound pMHC and TCR Proteins: A Molecular Dynamics Simulation Study. Cells, 2019, 8, 720.	1.8	6
16	Do anyons solve Heisenberg's Ugleichung in one dimension. European Physical Journal C, 1999, 6, 705.	1.4	6
17	Computational Modelling of the Full Length hIFN- γ Homodimer. Lecture Notes in Computer Science, 2018, , 544-551.	1.0	5
18	Computational study of solution behavior of magainin 2 monomers. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1231-1240.	2.0	5

#	ARTICLE	IF	CITATIONS
19	A pair potential supporting a mixed mean-field/BCS phase. Nuclear Physics B, 2000, 565, 629-640.	0.9	4
20	Metadynamics study of mutant human interferon-gamma forms. Computers and Mathematics With Applications, 2012, 64, 272-277.	1.4	4
21	His-FLAG Tag as a Fusion Partner of Glycosylated Human Interferon-Gamma and Its Mutant: Gain or Loss?. BioMed Research International, 2017, 2017, 1-12.	0.9	4
22	Molecular Dynamics Study of the Solution Behaviour of Antimicrobial Peptide Indolicidin. Studies in Computational Intelligence, 2019, , 257-265.	0.7	4
23	Geometry Dynamics of α -Helices in Different Class I Major Histocompatibility Complexes. Journal of Immunology Research, 2015, 2015, 1-20.	0.9	3
24	Spatiotemporal multistage consensus clustering in molecular dynamics studies of large proteins. Molecular BioSystems, 2016, 12, 1600-1614.	2.9	3
25	MINIMAL QUANTIZATION OF ANOMALOUS TWO-DIMENSIONAL GAUGE MODELS. International Journal of Modern Physics A, 1989, 04, 4567-4579.	0.5	2
26	GAUGE FIELD TOPOLOGY IN TWO DIMENSIONS: $\hat{1}$, VACUUM, TOPOLOGICAL PHASES AND COMPOSITE FIELDS. International Journal of Modern Physics A, 1991, 06, 4687-4697.	0.5	2
27	TWO-DIMENSIONAL ANYONS AND THE TEMPERATURE DEPENDENCE OF COMMUTATOR ANOMALIES. International Journal of Modern Physics A, 2001, 16, 1407-1415.	0.5	2
28	Thermal correlators of anyons in two dimensions. Journal of Physics A, 2001, 34, 3083-3094.	1.6	2
29	Finite supersymmetry transformations. European Physical Journal C, 2004, 35, 119-127.	1.4	2
30	Development of a Novel PET Imaging System, Based on Resistive-Plate Chambers (RPC). , 2010, , .		2
31	Geometric Analysis of Alloreactive HLA α -Helices. BioMed Research International, 2014, 2014, 1-8.	0.9	2
32	Solitons and protein folding: An In Silico experiment. AIP Conference Proceedings, 2015, , .	0.3	2
33	Relative Movements of Domains in Large Molecules of the Immune System. Journal of Immunology Research, 2015, 2015, 1-10.	0.9	2
34	Are there folding pathways in the functional stages of intrinsically disordered proteins?. AIP Conference Proceedings, 2016, , .	0.3	2
35	Myoglobin ligand gate mechanism analysis by a novel 3D visualization technique. Journal of Mathematical Chemistry, 2019, 57, 1586-1597.	0.7	2
36	Superfield wave function for the N=4, d=4 superparticle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 294, 189-195.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Anyons and the Bose–Fermi Duality in the Finite-Temperature Thirring Model [Erratum]. Theoretical and Mathematical Physics(Russian Federation), 2000, 125, 1742-1742.	0.3	1
38	Second-quantization picture of the edge currents in the fractional quantum Hall effect. European Physical Journal C, 2001, 19, 561-566.	1.4	1
39	Computer simulations of human interferon gamma mutated forms. , 2010, , .		1
40	Quantum gauge fields and flat connections in 2-dimensional BF theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 488-492.	1.5	1
41	<i>In Silico</i> Studies on the Stability of Human Interferon-Gamma Mutants. Biotechnology and Biotechnological Equipment, 2012, 26, 200-204.	0.5	1
42	Towards molecular modeling of the impact of heparin-derived oligosaccharides on hIFN- γ binding. AIP Conference Proceedings, 2015, , .	0.3	1
43	Induced phase cloning in generalized BCS systems. Fortschritte Der Physik, 2010, 58, 373-382.	1.5	0
44	Semi-rigidity vs. flexibility in collective variables preselection for metadynamics studies of large proteins. AIP Conference Proceedings, 2016, , .	0.3	0
45	A novel 3D visualization approach: A proof-of-concept study on the histidine residues in myoglobin. AIP Conference Proceedings, 2019, , .	0.3	0
46	In silico indications for human interferon gamma inhibition by heparin. AIP Conference Proceedings, 2020, , .	0.3	0
47	Molecular Dynamics Simulations of His ₆ -FLAG-hIFN γ Fusion Glycoproteins. Studies in Computational Intelligence, 2021, , 256-267.	0.7	0
48	On the Use of Large Intel Xeon Phi Clusters for GEANT4-Based Simulations. Cybernetics and Information Technologies, 2017, 17, 101-109.	0.4	0
49	Sampling in In Silico Biomolecular Studies: Single-Stage Experiments vs Multiscale Approaches. Lecture Notes in Computer Science, 2018, , 507-515.	1.0	0
50	In Silico Study on the Structure of Novel Natural Bioactive Peptides. Lecture Notes in Computer Science, 2020, , 332-339.	1.0	0
51	Quantum Effects on 1/2[111] Edge Dislocation Motion in Hydrogen-Charged Fe from Ring-Polymer Molecular Dynamics. Lecture Notes in Computer Science, 2022, , 132-139.	1.0	0