

Kholmirzo Kholmurodov

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

223
citations

1163117

8
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	A smooth-particle mesh Ewald method for DL_POLY molecular dynamics simulation package on the Fujitsu VPP700. <i>Journal of Computational Chemistry</i> , 2000, 21, 1187-1191.	3.3	62
2	Calcium and Zinc Differentially Affect the Structure of Lipid Membranes. <i>Langmuir</i> , 2017, 33, 3134-3141.	3.5	34
3	Molecular dynamics simulation of supersaturated vapor nucleation in slit pore. II. Thermostatted atomic-wall model. <i>Journal of Chemical Physics</i> , 2001, 114, 9578-9584.	3.0	18
4	Water permeation through the internal water pathway in activated GPCR rhodopsin. <i>PLoS ONE</i> , 2017, 12, e0176876.	2.5	14
5	Density functional theory calculations of the water interactions with ZrO ₂ /O ₃ doped. <i>Journal of Physics: Conference Series</i> , 2018, 994, 012013.	0.4	11
6	Effect of the solute-solvent interface on small-angle neutron scattering from organic solutions of short alkyl chain molecules as revealed by molecular dynamics simulation. <i>Journal of Applied Crystallography</i> , 2013, 46, 372-378.	4.5	10
7	MD simulation of cluster-surface impacts for metallic phases: soft landing, droplet spreading and implantation. <i>Computer Physics Communications</i> , 2001, 141, 1-16.	7.5	9
8	A highly vectorised cell-FORTRAN code for the DL_POLY molecular dynamics simulation package. <i>Computer Physics Communications</i> , 2000, 125, 167-192.	7.5	8
9	Visual pigment rhodopsin : a computer simulation of the molecular dynamics of 11-cis-retinal chromophore and amino-acid residues in the chromophore centre. <i>Mendeleev Communications</i> , 2006, 16, 1-8.	1.6	8
10	MD Simulations of the P53 oncoprotein structure: the effect of the Arg273His mutation on the DNA binding domain. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2011, 02, 330-335.	0.7	7
11	Molecular Dynamics Simulations on trans- and cis-Decalins: The Effect of Partial Atomic Charges and Adjustment of "Real Densities". <i>International Journal of Chemistry</i> , 2012, 4, .	0.3	7
12	Molecular dynamics study of ethanol solvated by water on the Pt (111) surface. <i>Chemical Physics</i> , 2012, 402, 41-47.	1.9	5
13	Reflectometry and molecular dynamics study of the impact of cholesterol and melatonin on model lipid membranes. <i>European Biophysics Journal</i> , 2021, 50, 1025-1035.	2.2	5
14	Interactions in the model membranes mimicking preclinical conformational diseases. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2020, 31, 185-214.	0.6	5
15	Investigating the competitive effects of cholesterol and melatonin in model lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183651.	2.6	4
16	MD Simulations on the Influence of Disease-Related Amino Acid Mutations in the Human Prion Protein. <i>Chem-Bio Informatics Journal</i> , 2003, 3, 86-95.	0.3	4
17	On the microstructure of organic solutions of mono-carboxylic acids: Combined study by infrared spectroscopy, small-angle neutron scattering and molecular dynamics simulations. <i>Chemical Physics</i> , 2015, 461, 1-10.	1.9	3
18	Model of Abnormal Chromophore-Protein Interaction for E181K Rhodopsin Mutation: Computer Molecular Dynamics Study. <i>The Open Biochemistry Journal</i> , 2012, 6, 94-102.	0.5	2

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19	Molecular Dynamics Simulations of the DNA Radiation Damage and Conformation Behavior on a Zirconium Dioxide Surface. Egyptian Journal of Chemistry, 2019, 62, 12-14.	0.2	2
20	Simulation of non-equilibrium physical adsorption taking into account the adatoms interactions. Fluid Phase Equilibria, 1997, 136, 115-133.	2.5	1
21	Molecular Dynamics Simulation of Cluster-Beam-Surface Impact Processes for Metallic Phases. Journal of Computational Methods in Sciences and Engineering, 2002, 2, 141-147.	0.2	1
22	Molecular dynamics studies on the interaction and encapsulation processes of the nucleotide and peptide chains inside of a carbon nanotube matrix with inclusion of gold nanoparticles. Journal of Physics: Conference Series, 2017, 848, 012012.	0.4	1
23	MOLECULAR DYNAMICS STUDY OF RADIOSENSITIVE MUTANT ALLELE OF PROTEIN KINASE ycdc28-srm [G20S] USING hcdk2 AS MODEL. , 2006, , 327-339.		1
24	On the Molecular Modelling Structure of the Egyptian Soil/Sediment in River Nile Delta Region. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4133-4136.	0.4	1
25	Molecular dynamics simulations of human kinase protein: the influence of a conserved glycine by serine substitution in the G-loop of a CDK2 active complex. Mendeleev Communications, 2006, 16, 211-212.	1.6	0