Kholmirzo Kholmurodov

List of Publications by Year
in descending order

25	223	1163117 8	1058476 14
papers	citations	h-index	g-index

25	25	25	280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reflectometry and molecular dynamics study of the impact of cholesterol and melatonin on model lipid membranes. European Biophysics Journal, 2021, 50, 1025-1035.	2.2	5
2	Investigating the competitive effects of cholesterol and melatonin in model lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183651.	2.6	4
3	Interactions in the model membranes mimicking preclinical conformational diseases. Advances in Biomembranes and Lipid Self-Assembly, 2020, 31, 185-214.	0.6	5
4	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
5	Density functional theory calculations of the water interactions with ZrO₂ nanoparticles Y₂O₃ doped. Journal of Physics: Conference Series, 2018, 994, 012013.	0.4	11
6	Calcium and Zinc Differentially Affect the Structure of Lipid Membranes. Langmuir, 2017, 33, 3134-3141.	3.5	34
7	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
8	Water permeation through the internal water pathway in activated GPCR rhodopsin. PLoS ONE, 2017, 12, e0176876.	2.5	14
9	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
10	On the microstructure of organic solutions of mono-carboxylic acids: Combined study by infrared spectroscopy, small-angle neutron scattering and molecular dynamics simulations. Chemical Physics, 2015, 461, 1-10.	1.9	3
11	Effect of the soluteâ€“solvent interface on small-angle neutron scattering from organic solutions of short alkyl chain molecules as revealed by molecular dynamics simulation. Journal of Applied Crystallography, 2013, 46, 372-378.	4.5	10
12	Model of Abnormal Chromophore-Protein Interaction for E181K Rhodopsin Mutation: Computer Molecular Dynamics Study. The Open Biochemistry Journal, 2012, 6, 94-102.	0.5	2
13	Molecular Dynamics Simulations on trans- and cis-Decalins: The Effect of Partial Atomic Charges and Adjustment of "Real Densities". International Journal of Chemistry, 2012, 4, .	0.3	7
14	Molecular dynamics study of ethanol solvated by water on the Pt (111) surface. Chemical Physics, 2012, 402, 41-47.	1.9	5
15	MD Simulations of the P53 oncoprotein structure: the effect of the Arg273â†'His mutation on the DNA binding domain. Advances in Bioscience and Biotechnology (Print), 2011, 02, 330-335.	0.7	7
16	Visual pigment rhodopsin : a computer simulation of the molecular dynamics of 11-cis-retinal chromophore and amino-acid residues in the chromophore centre. Mendeleev Communications, 2006, 16, 1-8.	1.6	8
17	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
18	MOLECULAR DYNAMICS STUDY OF RADIOSENSITIVE MUTANT ALLELE OF PROTEIN KINASE ycdc28-srm [G20S] USING hcdk2 AS MODEL. , 2006, , 327-339.		1

#	Article	IF	Citations
19	MD Simulations on the Influence of Disease-Related Amino Acid Mutations in the Human Prion Protein. Chem-Bio Informatics Journal, 2003, 3, 86-95.	0.3	4
20	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
21	MD simulation of clusterâ€“surface impacts for metallic phases: soft landing, droplet spreading and implantation. Computer Physics Communications, 2001, 141, 1-16.	7.5	9
22	Molecular dynamics simulation of supersaturated vapor nucleation in slit pore. II. Thermostatted atomic-wall model. Journal of Chemical Physics, 2001, 114, 9578-9584.	3.0	18
23	A smooth-particle mesh Ewald method for DL_POLY molecular dynamics simulation package on the Fujitsu VPP700. Journal of Computational Chemistry, 2000, 21, 1187-1191.	3.3	62
24	A highly vectorised â€œlink-cellâ€•FORTRAN code for the DL_POLY molecular dynamics simulation package. Computer Physics Communications, 2000, 125, 167-192.	7.5	8
25	Simulation of non-equilibrium physical adsorption taking into account the adatoms interactions. Fluid Phase Equilibria, 1997, 136, 115-133.	2.5	1