

Rakesh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

178
citations

1163117

8
h-index

1199594

12
g-index

23
all docs

23
docs citations

23
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of novel inhibitors of the translationally controlled tumor protein (TCTP): insights from molecular dynamics. <i>Molecular BioSystems</i> , 2017, 13, 510-524.	2.9	23
2	Structure, molecular dynamics simulation, and docking studies of Dictyostelium discoideum and human STRAPs. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 7177-7191.	2.6	18
3	Role of epigenetics in carcinogenesis: Recent advancements in anticancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 441-451.	9.6	18
4	<i>Dictyostelium</i> AMPK \pm regulates aggregate size and cell-type patterning. <i>Open Biology</i> , 2017, 7, 170055.	3.6	14
5	The role of conserved residues in the catalytic activity of NDM-1: an approach involving site directed mutagenesis and molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17821-17835.	2.8	14
6	Introducing a simple model system for binding studies of known and novel inhibitors of AMPK: a therapeutic target for prostate cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 781-795.	3.5	14
7	<i>Trichoderma virens</i> Alt a 1 protein may target maize PR5/thaumatin-like protein to suppress plant defence: An in silico analysis. <i>Physiological and Molecular Plant Pathology</i> , 2020, 112, 101551.	2.5	14
8	AMPK \pm promotes basal autophagy induction in <i>Dictyostelium discoideum</i> . <i>Journal of Cellular Physiology</i> , 2020, 235, 4941-4953.	4.1	9
9	Structural and conformational changes induced by missense variants in the zinc finger domains of GATA3 involved in breast cancer. <i>RSC Advances</i> , 2020, 10, 39640-39653.	3.6	8
10	Deciphering the impact of missense mutations on structure and dynamics of SMAD4 protein involved in pathogenesis of gall bladder cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1940-1954.	3.5	6
11	Cytochrome P450 2C19 gene polymorphisms (CYP2C19*2 and CYP2C19*3) in chronic myeloid leukemia patients: <i>in vitro</i> and <i>in silico</i> studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9389-9402.	3.5	6
12	Molecular and functional characterization of spotted snakehead NOD1 with an emphasis on structural insights into iE-DAP binding motifs employing advanced bioinformatic tools. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 7483-7495.	3.5	5
13	Comparative modelling unravels the structural features of eukaryotic TCTP implicated in its multifunctional properties: an in silico approach. <i>Journal of Molecular Modeling</i> , 2021, 27, 20.	1.8	5
14	Computational investigation reveals that the mutant strains of SARS-CoV2 have differential structural and binding properties. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 215, 106594.	4.7	5
15	Interaction of LysM BON family protein domain with carbapenems: A putative mechanism of carbapenem resistance. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 212-223.	7.5	4
16	Investigating the Role of Translationally Control Tumor Protein in Growth, Development and Differentiation of Dictyostelium discoideum. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 742.	3.7	3
17	Mutant strains of SARS-CoV-2 are more prone to infect obese patient: a review. <i>Wiener Klinische Wochenschrift</i> , 2021, 133, 383-392.	1.9	3
18	<i>Trichoderma virens</i> Bys1 may competitively inhibit its own effector protein Alt a 1 to stabilize the symbiotic relationship with plant-evidence from docking and simulation studies. <i>3 Biotech</i> , 2021, 11, 144.	2.2	3

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19	Mutations in passive residues modulate 3D-structure of NDM (New Delhi metallo-β-lactamase) protein that endue in drug resistance: a MD simulation approach. Journal of Biomolecular Structure and Dynamics, 2021, , 1-17.	3.5	2
20	Comprehensive mutations analyses of FTO (fat mass and obesity-associated gene) and their effects on FTO's substrate binding implicated in obesity. Frontiers in Nutrition, 0, 9, .	3.7	2
21	Structural based screening of potential inhibitors of SMAD4: a step towards personalized medicine for gall bladder and other associated cancers. Molecular Diversity, 2021, 25, 1945-1961.	3.9	1
22	In silico drug designing for COVID-19: an approach of high-throughput virtual screening, molecular, and essential dynamics simulations. Journal of Biomolecular Structure and Dynamics, 2021, , 1-15.	3.5	1