

Mohd Shahbaaz

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,020
citations

430754

18
h-index

454834

30
g-index

54
all docs

54
docs citations

54
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , 2020, 10, 10300.	1.6	114
2	Functional Annotation of Conserved Hypothetical Proteins from <i>Haemophilus influenzae</i> Rd KW20. <i>PLoS ONE</i> , 2013, 8, e84263.	1.1	93
3	Large scale analysis of the mutational landscape in β -glucuronidase: A major player of mucopolysaccharidosis type VII. <i>Gene</i> , 2016, 576, 36-44.	1.0	79
4	Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via Inhibition of Cyclin-Dependent Kinase 6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3526.	1.8	74
5	Designing New Kinase Inhibitor Derivatives as Therapeutics Against Common Complex Diseases: Structural Basis of Microtubule Affinity-Regulating Kinase 4 (MARK4) Inhibition. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 700-711.	1.0	50
6	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 27480-27491.	1.6	48
7	Identification of Functional Candidates amongst Hypothetical Proteins of <i>Treponema pallidum</i> ssp. <i>pallidum</i> . <i>PLoS ONE</i> , 2015, 10, e0124177.	1.1	38
8	Designing novel possible kinase inhibitor derivatives as therapeutics against <i>Mycobacterium tuberculosis</i> : An in silico study. <i>Scientific Reports</i> , 2019, 9, 4405.	1.6	35
9	Current Advances in the Identification and Characterization of Putative Drug and Vaccine Targets in the Bacterial Genomes. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 1040-1069.	1.0	35
10	Effect of pH on the structure, function, and stability of human calcium/calmodulin-dependent protein kinase IV: combined spectroscopic and MD simulation studies. <i>Biochemistry and Cell Biology</i> , 2016, 94, 221-228.	0.9	31
11	Effect of pH on structure, function, and stability of mitochondrial carbonic anhydrase VA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 449-461.	2.0	29
12	PKR-inhibitor binds efficiently with human microtubule affinity-regulating kinase 4. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 62, 245-252.	1.3	28
13	In silico approaches for the identification of virulence candidates amongst hypothetical proteins of <i>Mycoplasma pneumoniae</i> 309. <i>Computational Biology and Chemistry</i> , 2015, 59, 67-80.	1.1	26
14	Evaluation of Binding of Rosmarinic Acid with Human Transferrin and Its Impact on the Protein Structure: Targeting Polyphenolic Acid-Induced Protection of Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	26
15	Urea-induced denaturation of human calcium/calmodulin-dependent protein kinase IV: a combined spectroscopic and MD simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 463-475.	2.0	25
16	Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 897-910.	1.2	25
17	One-pot biosynthesis of silver nanoparticles using <i>Iboza Riparia</i> and <i>Ilex Mitis</i> for cytotoxicity on human embryonic kidney cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 560-567.	1.7	21
18	Estimation of thermodynamic stability of human carbonic anhydrase IX from urea-induced denaturation and MD simulation studies. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 183-189.	3.6	19

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19	Towards New Drug Targets? Function Prediction of Putative Proteins of <i>Neisseria meningitidis</i> MC58 and Their Virulence Characterization. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 416-434.	1.0	18
20	Structural basis of pesticide detection by enzymatic biosensing: a molecular docking and MD simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1402-1416.	2.0	18
21	A novel nano therapeutic using convalescent plasma derived exosomal (CPExo) for COVID-19: A combined hyperactive immune modulation and diagnostics. <i>Chemico-Biological Interactions</i> , 2021, 344, 109497.	1.7	16
22	Peptides-based therapeutics: Emerging potential therapeutic agents for COVID-19. <i>Therapie</i> , 2022, 77, 319-328.	0.6	16
23	Structure-based functional annotation of putative conserved proteins having lyase activity from <i>Haemophilus influenzae</i> . <i>3 Biotech</i> , 2015, 5, 317-336.	1.1	15
24	Structure-based function analysis of putative conserved proteins with isomerase activity from <i>Haemophilus influenzae</i> . <i>3 Biotech</i> , 2015, 5, 741-763.	1.1	14
25	Estimation of pH effect on the structure and stability of kinase domain of human integrin-linked kinase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 156-165.	2.0	13
26	Structural insights into Rab21 GTPase activation mechanism by molecular dynamics simulations. <i>Molecular Simulation</i> , 2018, 44, 179-189.	0.9	12
27	Selectivity and sensitivity enhanced green energy waste based indirect- $\frac{1}{4}$ -solid phase extraction of carbaryl supported by DFT and molecular docking studies. <i>Journal of Molecular Liquids</i> , 2018, 257, 112-120.	2.3	11
28	Antennal Enriched Odorant Binding Proteins Are Required for Odor Communication in <i>Glossina f. fuscipes</i> . <i>Biomolecules</i> , 2021, 11, 541.	1.8	10
29	Functional Insight into Putative Conserved Proteins of <i>Rickettsia rickettsii</i> and their Virulence Characterization. <i>Current Proteomics</i> , 2015, 12, 101-116.	0.1	8
30	Multistage antiplasmodial activity of hydroxyethylamine compounds, <i>in vitro</i> and <i>in vivo</i> evaluations. <i>RSC Advances</i> , 2020, 10, 35516-35530.	1.7	7
31	Synthesis of Oxygen Deficient TiO ₂ for Improved Photocatalytic Efficiency in Solar Radiation. <i>Catalysts</i> , 2021, 11, 904.	1.6	7
32	Oxazinethione Derivatives as a Precursor to Pyrazolone and Pyrimidine Derivatives: Synthesis, Biological Activities, Molecular Modeling, ADME, and Molecular Dynamics Studies. <i>Molecules</i> , 2021, 26, 5482.	1.7	7
33	Carbonic Anhydrase II Based Biosensing of Carbon Dioxide at High Temperature: An Analytical and MD Simulation Study. <i>Journal of Bioremediation & Biodegradation</i> , 2018, 09, .	0.5	6
34	Cellular and Molecular Targets of Waterbuck Repellent Blend Odors in Antennae of <i>Glossina fuscipes fuscipes</i> Newstead, 1910. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 137.	1.8	5
35	A computational study on active constituents of Habb-ul-aas and Tabasheer as inhibitors of SARS-CoV-2 main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-12.	2.0	5
36	Synthesis and Cytotoxic Activity of Novel Indole Derivatives and Their <i>in silico</i> Screening on Spike Glycoprotein of SARS-CoV-2. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 637989.	1.6	5

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37	Classification and structural analyses of mutational landscapes in hemochromatosis factor E protein: A protein defective in the hereditary hemochromatosis. <i>Gene Reports</i> , 2017, 6, 93-102.	0.4	4
38	Structure based identification of novel inhibitors against ATP synthase of <i>Mycobacterium tuberculosis</i> : A combined in silico and in vitro study. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 582-590.	3.6	4
39	Electronic properties investigation of human dihydrofolate reductase complexes with ligands. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-16.	2.0	4
40	Classification and Functional Analyses of Putative Conserved Proteins from <i>Chlamydomonas reinhardtii</i> CWL029. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017, 9, 96-106.	2.2	3
41	The structural basis of acid resistance in <i>Mycobacterium tuberculosis</i> : insights from multiple pH regime molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4483-4492.	2.0	3
42	In silico repurposing of a Novobiocin derivative for activity against latency associated <i>Mycobacterium tuberculosis</i> drug target nicotinate-nucleotide adenyl transferase (Rv2421c). <i>PLoS ONE</i> , 2021, 16, e0259348.	1.1	3
43	Structural analyses and classification of novel isoniazid resistance coupled mutational landscapes in <i>Mycobacterium tuberculosis</i> : a combined molecular docking and MD simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-10.	2.0	2
44	Computational Approaches for the Design of Novel Anticancer Compounds Based on Pyrazolo[3,4-d]pyrimidine Derivatives as TRAP1 Inhibitor. <i>Molecules</i> , 2021, 26, 5932.	1.7	2
45	Functional and Structural Analysis of Predicted Proteins Obtained from <i>Homo sapiens</i> Minisatellite 33.15-Tagged Transcript pAKT-45 Variants. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	1
46	Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5516-5525.	2.0	1
47	Current Perspectives in the Discovery of Newer Medications Against the Outbreak of COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 648232.	1.6	1
48	Transcriptomic Profile of <i>Mycobacterium smegmatis</i> in Response to an Imidazo[1,2-b][1,2,4,5]tetrazine Reveals Its Possible Impact on Iron Metabolism. <i>Frontiers in Microbiology</i> , 2021, 12, 724042.	1.5	1
49	Drug repurposing through virtual screening and in vitro validation identifies tigecycline as a novel putative HCV polymerase inhibitor. <i>Virology</i> , 2022, 570, 9-17.	1.1	1
50	Classification and functional analyses of putative virulence factors of <i>Mycobacterium tuberculosis</i> : A combined sequence and structure based study. <i>Computational Biology and Chemistry</i> , 2020, 87, 107270.	1.1	0
51	Sensitivity Enhancement of Pre-Capillary Chelation Method for the Separation of Metal Ions: Experimental and DFT Study. <i>Current Analytical Chemistry</i> , 2021, 17, 839-848.	0.6	0
52	Repurposing Based Identification of Novel Inhibitors against MmpS5-MmpL5 Efflux Pump of <i>Mycobacterium smegmatis</i> : A Combined In Silico and In Vitro Study. <i>Biomedicines</i> , 2022, 10, 333.	1.4	0