

Mohd Rehan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,414
citations

430874
18
h-index

345221
36
g-index

50
all docs

50
docs citations

50
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand binding strategies of human serum albumin: How can the cargo be utilized?. Chirality, 2010, 22, 77-87.	2.6	295
2	Stereo-Selectivity of Human Serum Albumin to Enantiomeric and Isoelectronic Pollutants Dissected by Spectroscopy, Calorimetry and Bioinformatics. PLoS ONE, 2011, 6, e26186.	2.5	133
3	Elimination of Endogenous Toxin, Creatinine from Blood Plasma Depends on Albumin Conformation: Site Specific Uremic Toxicity & Impaired Drug Binding. PLoS ONE, 2011, 6, e17230.	2.5	108
4	Biophysical Insight into Furosemide Binding to Human Serum Albumin: A Study To Unveil Its Impaired Albumin Binding in Uremia. Journal of Physical Chemistry B, 2013, 117, 2595-2604.	2.6	104
5	Anticancer Compound Plumbagin and Its Molecular Targets: A Structural Insight into the Inhibitory Mechanisms Using Computational Approaches. PLoS ONE, 2014, 9, e87309.	2.5	56
6	Spontaneous preterm birth and single nucleotide gene polymorphisms: a recent update. BMC Genomics, 2016, 17, 759.	2.8	56
7	Androgen and Progesterone Receptors Are Targets for Bisphenol A (BPA), 4-Methyl-2,4-bis-(P-Hydroxyphenyl)Pent-1-Eneâ€”A Potent Metabolite of BPA, and 4-Tert-Octylphenol: A Computational Insight. PLoS ONE, 2015, 10, e0138438.	2.5	51
8	Effect of organic solvents on the conformation and interaction of catalase and anticalase antibodies. International Journal of Biological Macromolecules, 2006, 38, 289-295.	7.5	47
9	Computational Insights into the Inhibitory Mechanism of Human AKT1 by an Orally Active Inhibitor, MK-2206. PLoS ONE, 2014, 9, e109705.	2.5	45
10	Investigating the pathogenic SNPs in BLM helicase and their biological consequences by computational approach. Scientific Reports, 2020, 10, 12377.	3.3	37
11	Virtual screening of naphthoquinone analogs for potent inhibitors against the cancerâ€”signaling PI3K/AKT/mTOR pathway. Journal of Cellular Biochemistry, 2019, 120, 1328-1339.	2.6	32
12	A critical transcription factor NF-Î²B as a cancer therapeutic target and its inhibitors as cancer treatment options. Current Medicinal Chemistry, 2020, 27, 4117-4132.	2.4	30
13	An Antiâ€”Cancer Drug Candidate OSIâ€”027 and its Analog as Inhibitors of mTOR: Computational Insights Into the Inhibitory Mechanisms. Journal of Cellular Biochemistry, 2017, 118, 4558-4567.	2.6	29
14	Designing and synthesis of novel antimicrobial heterocyclic analogs of fatty acids. European Journal of Medicinal Chemistry, 2013, 70, 887-900.	5.5	28
15	Anticancer compound XL765 as PI3K/mTOR dual inhibitor: A structural insight into the inhibitory mechanism using computational approaches. PLoS ONE, 2019, 14, e0219180.	2.5	27
16	Rational Mutational Analysis of a Multidrug MFS Transporter CaMdr1p of Candida albicans by Employing a Membrane Environment Based Computational Approach. PLoS Computational Biology, 2009, 5, e1000624.	3.2	24
17	A Computational Approach Identified Andrographolide as a Potential Drug for Suppressing COVID-19-Induced Cytokine Storm. Frontiers in Immunology, 2021, 12, 648250.	4.8	24
18	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. Bioorganic Chemistry, 2020, 99, 103842.	4.1	23

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19	A structural insight into the inhibitory mechanism of an orally active PI3K/mTOR dual inhibitor, PKI-179 using computational approaches. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 62, 226-234.	2.4	20
20	Employing Information Theoretic Measures and Mutagenesis to Identify Residues Critical for Drug-Proton Antiport Function in Mdr1p of <i>Candida albicans</i> . <i>PLoS ONE</i> , 2010, 5, e11041.	2.5	18
21	Design and synthesis of novel pyrazoline derivatives for their spectroscopic, single crystal X-ray and biological studies. <i>Journal of Molecular Structure</i> , 2021, 1234, 130131.	3.6	17
22	Elucidating the binding efficacy of β -galactosidase on graphene by docking approach and its potential application in galacto-oligosaccharide production. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 807-814.	3.4	15
23	Exploring the interaction between <i>Mycobacterium tuberculosis</i> enolase and human plasminogen using computational methods and experimental techniques. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2408-2417.	2.6	15
24	Culturomics-Based Taxonomic Diversity of Bacterial Communities in the Hot Springs of Saudi Arabia. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 17-27.	2.0	13
25	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-17.	2.7	12
26	Virtual Screening of 1,4-Naphthoquinone Derivatives for Inhibition of a Key Cancer Signaling Protein, AKT1 Kinase. <i>Anticancer Research</i> , 2019, 39, 3823-3833.	1.1	12
27	Exploring Flavonoids for Potential Inhibitors of a Cancer Signaling Protein PI3K $\hat{\kappa}$ Kinase Using Computational Methods. <i>Anticancer Research</i> , 2020, 40, 4547-4556.	1.1	12
28	Structural diversity, natural sources, and pharmacological potential of plant-based saponins with special focus on anticancer activity: a review. <i>Medicinal Chemistry Research</i> , 2020, 29, 1707-1722.	2.4	11
29	Enzymatic characterization of Catalase from <i>Bacillus anthracis</i> and prediction of critical residues using information theoretic measure of Relative Entropy. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 88-95.	2.1	9
30	MED12 somatic mutations encompassing exon 2 associated with benign breast fibroadenomas and not breast carcinoma in Indian women. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 182-191.	2.6	9
31	Suicide and Suicide Attempts in the Elderly Patients: An Epidemiological Analysis of Risk Factors and Prevention. <i>Current Pharmaceutical Design</i> , 2020, 26, 2231-2236.	1.9	9
32	Molecular Interaction Study of N1-p-fluorobenzyl-cymserine with TNF- α , p38 Kinase and JNK Kinase. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2013, 12, 129-135.	1.1	9
33	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5385-5397.	2.6	8
34	An Insight on the Pathogenesis and Treatment of Systemic Lupus Erythematosus. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2018, 18, 110-123.	1.2	8
35	Venetoclax-Resistant MV4-11 Leukemic Cells Activate PI3K/AKT Pathway for Metabolic Reprogramming and Redox Adaptation for Survival. <i>Antioxidants</i> , 2022, 11, 461.	5.1	8
36	Synthesis and biological evaluation of novel triazolyl 4-anilinoquinazolines as anticancer agents. <i>Medicinal Chemistry Research</i> , 2019, 28, 1766-1772.	2.4	6

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37	Computational and mutational analysis of TatD DNase of Bacillus anthracis. Journal of Cellular Biochemistry, 2019, 120, 11318-11330.	2.6	6
38	Structural binding perspectives of a major tobacco alkaloid, nicotine, and its metabolite cotinine with sexâ€steroid nuclear receptors. Journal of Applied Toxicology, 2020, 40, 1410-1420.	2.8	6
39	Endolysosome iron restricts Tat-mediated HIV-1 LTR transactivation by increasing HIV-1 Tat oligomerization and Î²-catenin expression. Journal of NeuroVirology, 2021, 27, 755-773.	2.1	6
40	A Novel Homozygous Missense Mutation in the Zinc Finger DNA Binding Domain of GLI1 Causes Recessive Post-Axial Polydactyly. Frontiers in Genetics, 2021, 12, 746949.	2.3	5
41	Erbium-doped circular photonic crystal fiber design for the amplification of 20 OAM modes. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F138.	2.1	5
42	Exploring the Natural Compounds in Flavonoids for Their Potential Inhibition of Cancer Therapeutic Target MEK1 Using Computational Methods. Pharmaceuticals, 2022, 15, 195.	3.8	5
43	Highly nonlinear silica spiral photonic crystal fiber for supercontinuum generation extending from 320â€nm to 2620â€nm. Optik, 2020, 208, 163897.	2.9	4
44	Generation of femtosecond pulse train by pulse splitting in a large mode area fiber at 2 Î¼m wavelength. Optical Fiber Technology, 2020, 60, 102362.	2.7	4
45	Relationship between CNS and Immunology: Correlation with Psychology. Current Drug Metabolism, 2018, 19, 847-855.	1.2	4
46	Cytotoxicity of oleanane type triterpene from leaf extract of Pterospermum acerifolium (in vitro) and theoretical investigation of inhibitory signaling pathway. Chinese Herbal Medicines, 2021, 13, 124-130.	3.0	3
47	Synthesis of <i>N</i>-Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. Polycyclic Aromatic Compounds, 2023, 43, 2430-2443.	2.6	3
48	Amplification of femtosecond and picosecond pulses using large mode area Erbium-doped fiber at 1530Ânm wavelength. Optics and Laser Technology, 2022, 145, 107530.	4.6	2
49	Computational Insights into the Interaction between Cytoadherence Receptor gC1qR and the DBLÎ²12 Domain of a Plasmodium falciparum PfEMP1 Ligand. Life, 2021, 11, 993.	2.4	1
50	Understanding the Regulatory Features of Co-regulated Genes Using Distant Regulatory Elements (DiRE) Genomic Tool in Health and Disease. , 2019, , 283-299.		0