

Mohd Rehan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,414
citations

430442

18
h-index

344852

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?. <i>Chirality</i> , 2010, 22, 77-87. | 1.3 | 295 |
| 2 | Stereo-Selectivity of Human Serum Albumin to Enantiomeric and Isoelectronic Pollutants Dissected by Spectroscopy, Calorimetry and Bioinformatics. <i>PLoS ONE</i> , 2011, 6, e26186. | 1.1 | 133 |
| 3 | Elimination of Endogenous Toxin, Creatinine from Blood Plasma Depends on Albumin Conformation: Site Specific Uremic Toxicity & Impaired Drug Binding. <i>PLoS ONE</i> , 2011, 6, e17230. | 1.1 | 108 |
| 4 | Biophysical Insight into Furosemide Binding to Human Serum Albumin: A Study To Unveil Its Impaired Albumin Binding in Uremia. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2595-2604. | 1.2 | 104 |
| 5 | Anticancer Compound Plumbagin and Its Molecular Targets: A Structural Insight into the Inhibitory Mechanisms Using Computational Approaches. <i>PLoS ONE</i> , 2014, 9, e87309. | 1.1 | 56 |
| 6 | Spontaneous preterm birth and single nucleotide gene polymorphisms: a recent update. <i>BMC Genomics</i> , 2016, 17, 759. | 1.2 | 56 |
| 7 | Androgen and Progesterone Receptors Are Targets for Bisphenol A (BPA), 4-Methyl-2,4-bis-(P-Hydroxyphenyl)Pent-1-Ene A Potent Metabolite of BPA, and 4-Tert-Octylphenol: A Computational Insight. <i>PLoS ONE</i> , 2015, 10, e0138438. | 1.1 | 51 |
| 8 | Effect of organic solvents on the conformation and interaction of catalase and anticatalase antibodies. <i>International Journal of Biological Macromolecules</i> , 2006, 38, 289-295. | 3.6 | 47 |
| 9 | Computational Insights into the Inhibitory Mechanism of Human AKT1 by an Orally Active Inhibitor, MK-2206. <i>PLoS ONE</i> , 2014, 9, e109705. | 1.1 | 45 |
| 10 | Investigating the pathogenic SNPs in BLM helicase and their biological consequences by computational approach. <i>Scientific Reports</i> , 2020, 10, 12377. | 1.6 | 37 |
| 11 | Virtual screening of naphthoquinone analogs for potent inhibitors against the cancer signaling PI3K/AKT/mTOR pathway. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1328-1339. | 1.2 | 32 |
| 12 | A critical transcription factor NF- κ B as a cancer therapeutic target and its inhibitors as cancer treatment options. <i>Current Medicinal Chemistry</i> , 2020, 27, 4117-4132. | 1.2 | 30 |
| 13 | An Anti-Cancer Drug Candidate OSI-027 and its Analog as Inhibitors of mTOR: Computational Insights Into the Inhibitory Mechanisms. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4558-4567. | 1.2 | 29 |
| 14 | Designing and synthesis of novel antimicrobial heterocyclic analogs of fatty acids. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 887-900. | 2.6 | 28 |
| 15 | Anticancer compound XL765 as PI3K/mTOR dual inhibitor: A structural insight into the inhibitory mechanism using computational approaches. <i>PLoS ONE</i> , 2019, 14, e0219180. | 1.1 | 27 |
| 16 | Rational Mutational Analysis of a Multidrug MFS Transporter CaMdr1p of <i>Candida albicans</i> by Employing a Membrane Environment Based Computational Approach. <i>PLoS Computational Biology</i> , 2009, 5, e1000624. | 1.5 | 24 |
| 17 | A Computational Approach Identified Andrographolide as a Potential Drug for Suppressing COVID-19-Induced Cytokine Storm. <i>Frontiers in Immunology</i> , 2021, 12, 648250. | 2.2 | 24 |
| 18 | N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020, 99, 103842. | 2.0 | 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. | 1.3 | 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. | 1.1 | 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. | 1.8 | 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. | 1.7 | 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. | 1.2 | 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. | 1.0 | 13 |
| 25 | Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-17. | 1.5 | 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. | 0.5 | 12 |
| 27 | Exploring Flavonoids for Potential Inhibitors of a Cancer Signaling Protein PI3K ³ Kinase Using Computational Methods. <i>Anticancer Research</i> , 2020, 40, 4547-4556. | 0.5 | 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. | 1.1 | 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. | 1.0 | 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. | 1.2 | 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. | 0.9 | 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. | 1.4 | 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. | 0.6 | 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. | 2.2 | 8 |
| 36 | Synthesis and biological evaluation of novel triazolyl 4-anilinoquinazolines as anticancer agents. <i>Medicinal Chemistry Research</i> , 2019, 28, 1766-1772. | 1.1 | 6 |

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|----|---|-----|-----------|
| 37 | Computational and mutational analysis of TatD DNase of Bacillus anthracis. Journal of Cellular Biochemistry, 2019, 120, 11318-11330. | 1.2 | 6 |
| 38 | Structural binding perspectives of a major tobacco alkaloid, nicotine, and its metabolite cotinine with sex steroid nuclear receptors. Journal of Applied Toxicology, 2020, 40, 1410-1420. | 1.4 | 6 |
| 39 | Endolysosome iron restricts Tat-mediated HIV-1 LTR transactivation by increasing HIV-1 Tat oligomerization and β -catenin expression. Journal of NeuroVirology, 2021, 27, 755-773. | 1.0 | 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. | 1.1 | 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. | 0.9 | 5 |
| 42 | Exploring the Natural Compounds in Flavonoids for Their Potential Inhibition of Cancer Therapeutic Target MEK1 Using Computational Methods. Pharmaceuticals, 2022, 15, 195. | 1.7 | 5 |
| 43 | Highly nonlinear silica spiral photonic crystal fiber for supercontinuum generation extending from 320 nm to 2620 nm. Optik, 2020, 208, 163897. | 1.4 | 4 |
| 44 | Generation of femtosecond pulse train by pulse splitting in a large mode area fiber at 2 μ m wavelength. Optical Fiber Technology, 2020, 60, 102362. | 1.4 | 4 |
| 45 | Relationship between CNS and Immunology: Correlation with Psychology. Current Drug Metabolism, 2018, 19, 847-855. | 0.7 | 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. | 1.2 | 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. | 1.4 | 3 |
| 48 | Amplification of femtosecond and picosecond pulses using large mode area Erbium-doped fiber at 1530 nm wavelength. Optics and Laser Technology, 2022, 145, 107530. | 2.2 | 2 |
| 49 | Computational Insights into the Interaction between Cytoadherence Receptor gC1qR and the DBL β 12 Domain of a Plasmodium falciparum PfEMP1 Ligand. Life, 2021, 11, 993. | 1.1 | 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 |