

# 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	Synthesis of <i>N</i> -Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2430-2443.	1.4	3
2	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 5385-5397.	1.4	8
3	Amplification of femtosecond and picosecond pulses using large mode area Erbium-doped fiber at 1530 nm wavelength. <i>Optics and Laser Technology</i> , 2022, 145, 107530.	2.2	2
4	Exploring the Natural Compounds in Flavonoids for Their Potential Inhibition of Cancer Therapeutic Target MEK1 Using Computational Methods. <i>Pharmaceuticals</i> , 2022, 15, 195.	1.7	5
5	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
6	Cytotoxicity of oleanane type triterpene from leaf extract of <i>Pterospermum acerifolium</i> (in vitro) and theoretical investigation of inhibitory signaling pathway. <i>Chinese Herbal Medicines</i> , 2021, 13, 124-130.	1.2	3
7	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
8	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
9	Computational Insights into the Interaction between Cytoadherence Receptor gC1qR and the DBL <sup>2</sup> 12 Domain of a <i>Plasmodium falciparum</i> PfEMP1 Ligand. <i>Life</i> , 2021, 11, 993.	1.1	1
10	Endolysosome iron restricts Tat-mediated HIV-1 LTR transactivation by increasing HIV-1 Tat oligomerization and $\beta$ -catenin expression. <i>Journal of NeuroVirology</i> , 2021, 27, 755-773.	1.0	6
11	A Novel Homozygous Missense Mutation in the Zinc Finger DNA Binding Domain of GLI1 Causes Recessive Post-Axial Polydactyly. <i>Frontiers in Genetics</i> , 2021, 12, 746949.	1.1	5
12	Erbium-doped circular photonic crystal fiber design for the amplification of 20 OAM modes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, F138.	0.9	5
13	Highly nonlinear silica spiral photonic crystal fiber for supercontinuum generation extending from 320 nm to 2620 nm. <i>Optik</i> , 2020, 208, 163897.	1.4	4
14	Generation of femtosecond pulse train by pulse splitting in a large mode area fiber at 2 $\mu$ m wavelength. <i>Optical Fiber Technology</i> , 2020, 60, 102362.	1.4	4
15	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
16	Exploring Flavonoids for Potential Inhibitors of a Cancer Signaling Protein PI3K <sup>Î</sup> 3 Kinase Using Computational Methods. <i>Anticancer Research</i> , 2020, 40, 4547-4556.	0.5	12
17	Investigating the pathogenic SNPs in BLM helicase and their biological consequences by computational approach. <i>Scientific Reports</i> , 2020, 10, 12377.	1.6	37
18	Structural binding perspectives of a major tobacco alkaloid, nicotine, and its metabolite cotinine with sex steroid nuclear receptors. <i>Journal of Applied Toxicology</i> , 2020, 40, 1410-1420.	1.4	6

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19	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020, 99, 103842.	2.0	23
20	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
21	A critical transcription factor NF- $\kappa$ 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
22	Synthesis and biological evaluation of novel triazolyl 4-anilinoquinazolines as anticancer agents. <i>Medicinal Chemistry Research</i> , 2019, 28, 1766-1772.	1.1	6
23	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
24	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
25	Computational and mutational analysis of TatD DNase of <i>Bacillus anthracis</i> . <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11318-11330.	1.2	6
26	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
27	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
28	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
29	Understanding the Regulatory Features of Co-regulated Genes Using Distant Regulatory Elements (DiRE) Genomic Tool in Health and Disease. , 2019, , 283-299.		0
30	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
31	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-17.	1.5	12
32	Relationship between CNS and Immunology: Correlation with Psychology. <i>Current Drug Metabolism</i> , 2018, 19, 847-855.	0.7	4
33	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
34	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
35	Spontaneous preterm birth and single nucleotide gene polymorphisms: a recent update. <i>BMC Genomics</i> , 2016, 17, 759.	1.2	56
36	Elucidating the binding efficacy of $\beta$ -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

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37	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.	1.1	51
38	A structural insight into the inhibitory mechanism of an orally active PI3K/mTOR dual inhibitor, PKI-179 using computational approaches. Journal of Molecular Graphics and Modelling, 2015, 62, 226-234.	1.3	20
39	Anticancer Compound Plumbagin and Its Molecular Targets: A Structural Insight into the Inhibitory Mechanisms Using Computational Approaches. PLoS ONE, 2014, 9, e87309.	1.1	56
40	Computational Insights into the Inhibitory Mechanism of Human AKT1 by an Orally Active Inhibitor, MK-2206. PLoS ONE, 2014, 9, e109705.	1.1	45
41	Designing and synthesis of novel antimicrobial heterocyclic analogs of fatty acids. European Journal of Medicinal Chemistry, 2013, 70, 887-900.	2.6	28
42	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.	1.2	104
43	Molecular Interaction Study of N1-p-fluorobenzyl-cymserine with TNF- $\alpha$ , p38 Kinase and JNK Kinase. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2013, 12, 129-135.	1.1	9
44	Enzymatic characterization of Catalase from Bacillus anthracis and prediction of critical residues using information theoretic measure of Relative Entropy. Biochemical and Biophysical Research Communications, 2011, 411, 88-95.	1.0	9
45	Elimination of Endogenous Toxin, Creatinine from Blood Plasma Depends on Albumin Conformation: Site Specific Uremic Toxicity & Impaired Drug Binding. PLoS ONE, 2011, 6, e17230.	1.1	108
46	Stereo-Selectivity of Human Serum Albumin to Enantiomeric and Isoelectric Pollutants Dissected by Spectroscopy, Calorimetry and Bioinformatics. PLoS ONE, 2011, 6, e26186.	1.1	133
47	Ligand binding strategies of human serum albumin: How can the cargo be utilized?. Chirality, 2010, 22, 77-87.	1.3	295
48	Employing Information Theoretic Measures and Mutagenesis to Identify Residues Critical for Drug-Proton Antiport Function in Mdr1p of Candida albicans. PLoS ONE, 2010, 5, e11041.	1.1	18
49	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.	1.5	24
50	Effect of organic solvents on the conformation and interaction of catalase and anticatalase antibodies. International Journal of Biological Macromolecules, 2006, 38, 289-295.	3.6	47