

# Vivek Chandramohan

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

578  
citations

759233

12  
h-index

677142

22  
g-index

44  
all docs

44  
docs citations

44  
times ranked

629  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In silico</i> identification of potential inhibitors from Cinnamon against main protease and spike glycoprotein of SARS CoV-2. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4618-4632.	3.5	108
2	Structural insights of metallo-beta-lactamase revealed an effective way of inhibition of enzyme by natural inhibitors. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3757-3771.	3.5	47
3	Detailed spectra, electronic properties, qualitative non-covalent interaction analysis, solvatochromism, docking and molecular dynamics simulations in different solvent atmosphere of cenobamate. Structural Chemistry, 2020, 31, 2475-2485.	2.0	45
4	Design and Molecular dynamic Investigations of 7,8-Dihydroxyflavone Derivatives as Potential Neuroprotective Agents Against Alpha-synuclein. Scientific Reports, 2020, 10, 599.	3.3	41
5	Evaluating Andrographolide as a Potent Inhibitor of NS3-4A Protease and Its Drug-Resistant Mutants Using <i>In Silico</i> Approaches. Advances in Virology, 2015, 2015, 1-9.	1.1	34
6	Nephroprotective activity of Combretum micranthum G. Don in cisplatin induced nephrotoxicity in rats: In-vitro, in-vivo and in-silico experiments. Biomedicine and Pharmacotherapy, 2019, 116, 108961.	5.6	29
7	Formulation and evaluation of rutin-loaded solid lipid nanoparticles for the treatment of brain tumor. Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, 394, 735-749.	3.0	25
8	In Silico Molecular Docking Analysis of Karanjin against Alzheimer's and Parkinson's Diseases as a Potential Natural Lead Molecule for New Drug Design, Development and Therapy. Molecules, 2022, 27, 2834.	3.8	23
9	Investigation of the reactivity properties of a thiourea derivative with anticancer activity by DFT and MD simulations. Journal of Molecular Modeling, 2021, 27, 217.	1.8	21
10	In-silico strategies of some selected phytoconstituents from Melissa officinalis as SARS CoV-2 main protease and spike protein (COVID-19) inhibitors. Molecular Simulation, 2021, 47, 457-470.	2.0	19
11	Molecular docking and dynamic studies of bioactive compounds from Naravelia zeylanica (L.) DC against glycogen synthase kinase-3 $\beta$ protein. Journal of Taibah University for Science, 2015, 9, 41-49.	2.5	17
12	<i>In silico</i> screening of therapeutic potentials from Strychnos nux-vomica against the dimeric main protease (M <sup>pro</sup> ) structure of SARS-CoV-2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 7796-7814.	3.5	17
13	Nephroprotective effect of Combretum micranthum G. Don in nicotinamide-streptozotocin induced diabetic nephropathy in rats: In-vivo and in-silico experiments. Journal of Ethnopharmacology, 2020, 261, 113133.	4.1	14
14	Bioactive phenolic fraction of Citrus maxima abate lipopolysaccharide-induced sickness behaviour and anorexia in mice: In-silico molecular docking and dynamic studies of biomarkers against NF- $\kappa$ B. Biomedicine and Pharmacotherapy, 2018, 108, 1535-1545.	5.6	13
15	Synthesis and characterization of dimeric Schiff base Coll, NiII, CuII complexes for their catalytic application of aerobic oxidation of alcohol and interaction with biomolecules. Inorganica Chimica Acta, 2020, 508, 119626.	2.4	13
16	Structural and functional analysis of disease-associated mutations in GOT1 gene: An in silico study. Computers in Biology and Medicine, 2021, 136, 104695.	7.0	12
17	In silico analysis and identification of novel inhibitor for new H1N1 swine influenza virus. Asian Pacific Journal of Tropical Disease, 2014, 4, S635-S640.	0.5	11
18	Identification of Deleterious SNPs and Their Effects on Structural Level in CHRNA3 Gene. Biochemical Genetics, 2015, 53, 159-168.	1.7	9

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19	Synthesis, biological screening, in silico study and fingerprint applications of novel 1, 2, 4-triazole derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2010-2023.	2.6	9
20	In Silico Study on the Inhibition of UDP-N-Acetylglucosamine 1-Carboxy Vinyl Transferase from <i>Salmonella typhimurium</i> by the Lipopeptide Produced from <i>Bacillus aryabhatai</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	1.9	9
21	Structural (SC-XRD), spectroscopic, DFT, MD investigations and molecular docking studies of a hydrazone derivative. <i>Chemical Data Collections</i> , 2020, 30, 100588.	2.3	7
22	DFT and MD simulations and molecular docking of co-crystals of octafluoro-1,4-diiodobutane with phenazine and acridine. <i>Structural Chemistry</i> , 2020, 31, 2525-2531.	2.0	7
23	Benzyl and Sulfonyl Derivatives of N-(2,6-dimethylphenyl)-2-(piperazin-1-yl)acetamide (T2288): Biological Screening and Fingerprint applications. <i>Oriental Journal of Chemistry</i> , 2019, 35, 157-166.	0.3	6
24	In-silico analysis of deleterious single nucleotide polymorphisms of PNMT gene. <i>Molecular Simulation</i> , 2022, 48, 1411-1425.	2.0	6
25	Targeting lmd pathway receptor in <i>Drosophila melanogaster</i> and repurposing of phyto-inhibitors: structural modulation and molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 1659-1670.	3.5	5
26	In silico screening of phytochemical compounds and FDA drugs as potential inhibitors for NSP16/10 5' methyl transferase activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 221-233.	3.5	5
27	N'-((3-(substituted phenyl)-1-phenyl-1H-Pyrazol-4-yl)methylene)-(substituted) benzhydrazide: Synthesis, characterization and pharmacological evaluation. <i>Chemical Data Collections</i> , 2021, 32, 100665.	2.3	4
28	Computational study for identifying promising therapeutic agents of hydroxychloroquine analogues against SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11822-11836.	3.5	4
29	Synthesis of N-protected amino/peptide Weinreb amides employing N,N'-carbonyldiimidazole as activating agent; studies on docking and antibacterial activities. <i>Arxivoc</i> , 2016, 2016, 339-351.	0.5	4
30	Delivery of Ursolic Acid by Polyhydroxybutyrate Nanoparticles for Cancer Therapy: in silico and in vitro Studies. <i>Drug Research</i> , 2022, 72, 72-81.	1.7	4
31	Evaluation of Phytoconstituents and Molecular Docking Against NS3 Protease of Hepatitis C Virus. <i>Journal of Pharmaceutical Sciences and Pharmacology</i> , 2015, 2, 96-103.	0.2	3
32	Study of mangal based naphthoquinone derivatives anticancer potential towards chemo-resistance related Never in mitosis gene A-related kinase 2-Insilico approach. <i>Molecular Simulation</i> , 2021, 47, 1078-1092.	2.0	3
33	Prediction of deleterious single nucleotide polymorphisms and their effect on the sequence and structure of the human CCND1 gene. <i>Journal of Taibah University Medical Sciences</i> , 2017, 12, 221-228.	0.9	1
34	A Facile Synthesis of Hydroxamic Acids of N-Protected Amino Acids Employing BDMS, a Study of Their Molecular Docking and Their Antibacterial Activities. <i>Organic Preparations and Procedures International</i> , 2019, 51, 161-174.	1.3	1
35	Exploring Banana phytosterols (Beta-sitosterol) on tight junction protein (claudin) as anti-urolithiasis contributor in <i>Drosophila</i> : A phyto-lithomic approach. <i>Informatics in Medicine Unlocked</i> , 2022, 29, 100905.	3.4	1
36	<i>Blumea lacera</i> DC., accelerates the healing of acetic acid induced ulcerative colitis in rats by regulating oxidative stress and colonic inflammation: in-vivo and in silico molecular docking experiments. <i>Advances in Traditional Medicine</i> , 2021, 21, 463-474.	2.0	0

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37	Big Data Analysis Techniques for Visualization of Genomics in Medicinal Plants. Advances in Data Mining and Database Management Book Series, 2018, , 749-781.	0.5	0
38	Bromodimethylsulfonium bromide: A novel reagent for the one pot synthesis of potent N <sup>1</sup> ±-ureido peptides and study of molecular docking and antibacterial activities. Scientia Iranica, 2018, .	0.4	0
39	Big Data Analysis Techniques for Visualization of Genomics in Medicinal Plants. , 2019, , 804-837.		0
40	In silico studies of bioactive phytochemicals with anticancer activity from in vivo and in vitro extracts of Justicia wynaadensis (Nees) T. Anderson. International Journal of Computational Biology and Drug Design, 2020, 13, 582.	0.3	0
41	Antioxidant, Antimicrobial, Molecular Docking Studies of Novel 2,6-bis(1,3-Thiazol-2-yl)-4-(3,4,5-trimethoxyphenyl)pyridine and its Cu(II) and Ni(II) Complexes. Asian Journal of Organic & Medicinal Chemistry, 2020, 5, 103-108.	0.0	0
42	Structural modulation of dual oxidase (Duox) in Drosophila melanogaster by phyto-elicitors: A free energy study with molecular dynamics approach. Informatics in Medicine Unlocked, 2021, 27, 100811.	3.4	0