

Rupesh V Chikhale

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,223
citations

394421

19
h-index

414414

32
g-index

61
all docs

61
docs citations

61
times ranked

1481
citing authors

#	ARTICLE	IF	CITATIONS
1	Sars-cov-2 host entry and replication inhibitors from Indian ginseng: an <i>in-silico</i> approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4510-4521.	3.5	95
2	Overview of the Development of DprE1 Inhibitors for Combating the Menace of Tuberculosis. Journal of Medicinal Chemistry, 2018, 61, 8563-8593.	6.4	94
3	Synthesis and pharmacological investigation of 3-(substituted 1-phenylethanone)-4-(substituted) Tj ETQq1 1 0.784314 rgBT /Overloc 44, 3645-3653.	5.5	89
4	Development of selective DprE1 inhibitors: Design, synthesis, crystal structure and antitubercular activity of benzothiazolopyrimidine-5-carboxamides. European Journal of Medicinal Chemistry, 2015, 96, 30-46.	5.5	89
5	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. Journal of the American Chemical Society, 2020, 142, 20600-20604.	13.7	74
6	<i>In-silico</i> investigation of phytochemicals from <i>Asparagus racemosus</i> as plausible antiviral agent in COVID-19. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5033-5047.	3.5	60
7	Identification of potential anti-TMPRSS2 natural products through homology modelling, virtual screening and molecular dynamics simulation studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6660-6675.	3.5	53
8	CD4+ effector T cells accelerate Alzheimer's disease in mice. Journal of Neuroinflammation, 2021, 18, 272.	7.2	48
9	Design, synthesis and anticancer studies of novel aminobenzazolyl pyrimidines as tyrosine kinase inhibitors. Bioorganic Chemistry, 2018, 77, 84-100.	4.1	45
10	Chandipura Virus: An emerging tropical pathogen. Acta Tropica, 2012, 124, 1-14.	2.0	44
11	Withanolides from <i>Withania somnifera</i> as an immunity booster and their therapeutic options against COVID-19. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5295-5308.	3.5	43
12	Formulation and evaluation of orodispersible tablet of taste masked doxylamine succinate using ion exchange resin. Journal of King Saud University - Science, 2010, 22, 229-240.	3.5	41
13	Computational and network pharmacology analysis of bioflavonoids as possible natural antiviral compounds in COVID-19. Informatics in Medicine Unlocked, 2021, 22, 100504.	3.4	36
14	Mycobacterium enoyl acyl carrier protein reductase (InhA): A key target for antitubercular drug discovery. Bioorganic Chemistry, 2021, 115, 105242.	4.1	34
15	Design, synthesis and pharmacological evaluation of pyrimidobenzothiazole-3-carboxylate derivatives as selective L-type calcium channel blockers. Bioorganic and Medicinal Chemistry, 2015, 23, 6689-6713.	3.0	29
16	Combination of system biology to probe the anti-viral activity of andrographolide and its derivative against COVID-19. RSC Advances, 2021, 11, 5065-5079.	3.6	28
17	Computational assessment of saikosaponins as adjuvant treatment for COVID-19: molecular docking, dynamics, and network pharmacology analysis. Molecular Diversity, 2021, 25, 1889-1904.	3.9	25
18	Mycobacterial Membrane Protein Large 3 (MmpL3) Inhibitors: A Promising Approach to Combat Tuberculosis. ChemMedChem, 2021, 16, 3136-3148.	3.2	24

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19	Structure-guided screening of chemical database to identify NS3-NS2B inhibitors for effective therapeutic application in dengue infection. <i>Journal of Molecular Recognition</i> , 2020, 33, e2838.	2.1	23
20	i-Motif formation and spontaneous deletions in human cells. <i>Nucleic Acids Research</i> , 2022, 50, 3445-3455.	14.5	22
21	Generation of Phenothiazine with Potent Anti-TLK1 Activity for Prostate Cancer Therapy. <i>IScience</i> , 2020, 23, 101474.	4.1	18
22	Facile and efficient synthesis of benzoxazole derivatives using novel catalytic activity of PEG-SO 3 H. <i>Arabian Journal of Chemistry</i> , 2017, 10, 715-725.	4.9	16
23	Pharmacophore model and atom-based 3D quantitative structure activity relationship (QSAR) of human immunodeficiency virus-1 (HIV-1) capsid assembly inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 718-727.	3.5	16
24	Exploring the therapeutic mechanisms of <i>Cassia glauca</i> in diabetes mellitus through network pharmacology, molecular docking and molecular dynamics. <i>RSC Advances</i> , 2021, 11, 39362-39375.	3.6	16
25	Pharmacoinformatics-based identification of anti-bacterial catalase-peroxidase enzyme inhibitors. <i>Computational Biology and Chemistry</i> , 2019, 83, 107136.	2.3	15
26	Pharmacoinformatics-based identification of transmembrane protease serine-2 inhibitors from <i>Morus Alba</i> as SARS-CoV-2 cell entry inhibitors. <i>Molecular Diversity</i> , 2022, 26, 265-278.	3.9	14
27	Computational and network pharmacology studies of <i>Phyllanthus emblica</i> to tackle SARS-CoV-2. <i>Phytomedicine Plus</i> , 2021, 1, 100095.	2.0	12
28	Tracing the GSAP-APP C-99 Interaction Site in the β -Amyloid Pathway Leading to Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3868-3879.	3.5	10
29	Design, Formulation and Evaluation of Transdermal Drug Delivery System of Budesonide. <i>Pharmacology & Pharmacy</i> , 2011, 02, 199-211.	0.7	10
30	A rapid and simple HPTLC assay for therapeutic drug monitoring of capecitabine in colorectal cancer patients. <i>Biomedical Chromatography</i> , 2018, 32, e4100.	1.7	9
31	Challenges in targeting mycobacterial ATP synthase: The known and beyond. <i>Journal of Molecular Structure</i> , 2022, 1247, 131331.	3.6	9
32	De novo design based identification of potential HIV-1 integrase inhibitors: A pharmacoinformatics study. <i>Computational Biology and Chemistry</i> , 2020, 88, 107319.	2.3	8
33	Design, Synthesis, Pharmacological Evaluation and Molecular Docking Studies of Substituted Oxadiazolyl-2-Oxindolinylidene Propane Hydrazone Derivatives. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	7
34	Design, synthesis and evaluation of novel enzalutamide analogues as potential anticancer agents. <i>Heliyon</i> , 2021, 7, e06227.	3.2	7
35	Development of dual inhibitors targeting DprE1 and AHAS for treatment of <i>Mycobacterium tuberculosis</i> infection. <i>BMC Infectious Diseases</i> , 2014, 14, .	2.9	6
36	Determination and Pharmacokinetic Study of Pirfenidone in Rat Serum by High-Performance Thin-Layer Chromatography. <i>Journal of Chromatographic Science</i> , 2016, 54, 1115-1119.	1.4	6

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37	Identification of potential cruzain inhibitors using de novo design, molecular docking and dynamics simulations studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4005-4015.	3.5	6
38	A druggable pocket on PSMD10Gankyrin that can accommodate an interface peptide and doxorubicin. <i>European Journal of Pharmacology</i> , 2022, 915, 174718.	3.5	5
39	Identification of sugar-containing natural products that interact with i-motif DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 73, 128886.	2.2	5
40	Transmission of SARS-CoV-2 in South Asian countries: molecular evolutionary model based phylogenetic and mutation analysis. <i>Environmental Sustainability</i> , 2021, 4, 533-541.	2.8	4
41	Design, Synthesis and Pharmacological Evaluation of Some Novel Tetrahydrocarbazoles as Potential COX-2 Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 437-449.	0.7	4
42	A Validated Stability-Indicating HPTLC Method for the Estimation of Capecitabine in its Tablet Dosage Form. <i>Current Pharmaceutical Analysis</i> , 2018, 15, 61-66.	0.6	3
43	Computational Modelling of Kinase Inhibitors as Anti-Alzheimer Agents. <i>Neuromethods</i> , 2018, , 347-417.	0.3	3
44	LEDGF/p75 IN interaction inhibitors: in silico studies of an old target with novel approach. <i>BMC Infectious Diseases</i> , 2014, 14, .	2.9	2
45	A validated stability-indicating high-performance thin-layer chromatographic method for the analysis of methotrexate in bulk drug and marketed injection. <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 75-79.	1.2	2
46	Vicinal Diaryl Triazoles and Tetrazoles. , 2018, , 191-219.		2
47	Development and Validation of HPLC and HPTLC Methods for Therapeutic Drug Monitoring of Capecitabine in Colorectal Cancer Patients. <i>Journal of Chromatographic Science</i> , 2019, 57, 892-900.	1.4	2
48	Molecular Docking, Synthesis and CNS Activity of Some Novel 1, 4-Benzodiazepine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2017, 14, .	0.7	2
49	Ultrasound Assisted One-Pot Synthesis of Some 1, 5-Benzodiazepine Derivatives. <i>Current Catalysis</i> , 2013, 2, 111-115.	0.5	2
50	Vitamin-anticancer drug conjugates: a new era for cancer therapy. <i>Istanbul Journal of Pharmacy</i> , 2020, 50, .	0.5	2
51	Tissue Engineering: Principles, Recent Trends, and the Future. , 2016, , 57-108.		1
52	Synthesis of novel cycloheptylbenzothiazole-2-carboxamides and biological evaluation as human estrogen receptor modulators. <i>Journal of Molecular Structure</i> , 2021, 1227, 129516.	3.6	1
53	Smallest Organism; Highest Threat. <i>Materia Socio-medica</i> , 2012, 24, 268.	0.7	1
54	Design of potential vitamin-drug conjugate for enhanced anticancer activity. <i>Bulletin of the Karaganda University Chemistry Series</i> , 2022, 105, 6-14.	0.5	1

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55	Synthesis and Molecular Docking Studies of Glucose-linked Isonicotinoyl- 1,3,4-Thiadiazolidines as Antitubercular Agents. Letters in Organic Chemistry, 2017, 15, .	0.5	0
56	Synthesis and evaluation of vitamin-drug conjugate for its anticancer activity. Bulletin of the Karaganda University Chemistry Series, 2021, 103, 21-26.	0.5	0
57	Flavoring of Pediatric Nutritional Supplements and Pediatric Compliance: A Perspective. , 2018, , 33-50.		0
58	Abstract 1264: Design, synthesis and biological evaluation of new phenothiazine derivatives as potential Torsled-like kinase 1 inhibitors in prostate cancer treatment. , 2019, , .		0
59	Abstract 1264: Design, synthesis and biological evaluation of new phenothiazine derivatives as potential Torsled-like kinase 1 inhibitors in prostate cancer treatment. , 2019, , .		0
60	Investigation on Mechanical and Thermal Properties of a Kenaf/Jute Fiber-Reinforced Polyester Hybrid Biocomposite. Advances in Polymer Technology, 2022, 2022, 1-6.	1.7	0