Rupesh V Chikhale

List of Publications by Year
in descending order

60	1,223	448610 19	466096 32
papers	citations	h-index	g-index

61	61	61	1650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Withanolides from Withania somnifera as an immunity booster and their therapeutic options against COVID-19. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5295-5308.	2.0	43
2	Pharmacoinformatics-based identification of transmembrane protease serine-2 inhibitors from Morus Alba as SARS-CoV-2 cell entry inhibitors. Molecular Diversity, 2022, 26, 265-278.	2.1	14
3	Challenges in targeting mycobacterial ATP synthase: The known and beyond. Journal of Molecular Structure, 2022, 1247, 131331.	1.8	9
4	A druggable pocket on PSMD10Gankyrin that can accommodate an interface peptide and doxorubicin. European Journal of Pharmacology, 2022, 915, 174718.	1.7	5
5	Design of potential vitamin-drug conjugate for enhanced anticancer activity. Bulletin of the Karaganda University Chemistry Series, 2022, 105, 6-14.	0.2	1
6	i-Motif formation and spontaneous deletions in human cells. Nucleic Acids Research, 2022, 50, 3445-3455.	6.5	22
7	Investigation on Mechanical and Thermal Properties of a Kenaf/Jute Fiber-Reinforced Polyester Hybrid Biocomposite. Advances in Polymer Technology, 2022, 2022, 1-6.	0.8	0
8	Identification of sugar-containing natural products that interact with i-motif DNA. Bioorganic and Medicinal Chemistry Letters, 2022, 73, 128886.	1.0	5
9	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.	2.0	53
10	Transmission of SARS-CoV-2 in South Asian countries: molecular evolutionary model based phylogenetic and mutation analysis. Environmental Sustainability, 2021, 4, 533-541.	1.4	4
11	Sars-cov-2 host entry and replication inhibitors from Indian ginseng: an in-silico approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4510-4521.	2.0	95
12	In-silicoinvestigation of phytochemicals fromAsparagus racemosusas plausible antiviral agent in COVID-19. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5033-5047.	2.0	60
13	Pharmacophore model and atom-based 3D quantitative structure activity relationship (QSAR) of human immunodeficiency virus-1 (HIV-1) capsid assembly inhibitors. Journal of Biomolecular Structure and Dynamics, 2021, 39, 718-727.	2.0	16
14	Synthesis of novel cycloheptylbenzothiazole-2-carboxamides and biological evaluation as human estrogen receptor modulators. Journal of Molecular Structure, 2021, 1227, 129516.	1.8	1
15	Computational assessment of saikosaponins as adjuvant treatment for COVID-19: molecular docking, dynamics, and network pharmacology analysis. Molecular Diversity, 2021, 25, 1889-1904.	2.1	25
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.	1.7	28
17	Computational and network pharmacology analysis of bioflavonoids as possible natural antiviral compounds in COVID-19. Informatics in Medicine Unlocked, 2021, 22, 100504.	1.9	36
18	Design, synthesis and evaluation of novel enzalutamide analogues as potential anticancer agents. Heliyon, 2021, 7, e06227.	1.4	7

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19	Mycobacterial Membrane Protein Large 3 (MmpL3) Inhibitors: A Promising Approach to Combat Tuberculosis. ChemMedChem, 2021, 16, 3136-3148.	1.6	24
20	Computational and network pharmacology studies of Phyllanthus emblica to tackle SARS-CoV-2. Phytomedicine Plus, 2021, 1, 100095.	0.9	12
21	Synthesis and evaluation of vitamin-drug conjugate for its anticancer activity. Bulletin of the Karaganda University Chemistry Series, 2021, 103, 21-26.	0.2	0
22	Mycobacterium enoyl acyl carrier protein reductase (InhA): A key target for antitubercular drug discovery. Bioorganic Chemistry, 2021, 115, 105242.	2.0	34
23	CD4+ effector T cells accelerate Alzheimerâ€™s disease in mice. Journal of Neuroinflammation, 2021, 18, 272.	3.1	48
24	Exploring the therapeutic mechanisms of Cassia glauca in diabetes mellitus through network pharmacology, molecular docking and molecular dynamics. RSC Advances, 2021, 11, 39362-39375.	1.7	16
25	Identification of potential cruzain inhibitors using de novo design, molecular docking and dynamics simulations studies. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4005-4015.	2.0	6
26	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. Journal of the American Chemical Society, 2020, 142, 20600-20604.	6.6	74
27	Generation of Phenothiazine with Potent Anti-TLK1 Activity for Prostate Cancer Therapy. IScience, 2020, 23, 101474.	1.9	18
28	De novo design based identification of potential HIV-1 integrase inhibitors: A pharmacoinformatics study. Computational Biology and Chemistry, 2020, 88, 107319.	1.1	8
29	Structureâ€guided screening of chemical database to identify NS3â€NS2B inhibitors for effective therapeutic application in dengue infection. Journal of Molecular Recognition, 2020, 33, e2838.	1.1	23
30	Vitamin-anticancer drug conjugates: a new era for cancer therapy. Istanbul Journal of Pharmacy, 2020, 50, .	0.2	2
31	Tracing the GSAPâ€“APP C-99 Interaction Site in the Î²-Amyloid Pathway Leading to Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2019, 10, 3868-3879.	1.7	10
32	Development and Validation of HPLC and HPTLC Methods for Therapeutic Drug Monitoring of Capecitabine in Colorectal Cancer Patients. Journal of Chromatographic Science, 2019, 57, 892-900.	0.7	2
33	Pharmacoinformatics-based identification of anti-bacterial catalase-peroxidase enzyme inhibitors. Computational Biology and Chemistry, 2019, 83, 107136.	1.1	15
34	Abstract 1264: Design, synthesis and biological evaluation of new phenothiazine derivatives as potential Tousled-like kinase 1 inhibitors in prostate cancer treatment. , 2019, , .		0
35	Abstract 1264: Design, synthesis and biological evaluation of new phenothiazine derivatives as potential Tousled-like kinase 1 inhibitors in prostate cancer treatment. , 2019, , .		0
36	Design, synthesis and anticancer studies of novel aminobenzazolyl pyrimidines as tyrosine kinase inhibitors. Bioorganic Chemistry, 2018, 77, 84-100.	2.0	45

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37	A rapid and simple HPTLC assay for therapeutic drug monitoring of capecitabine in colorectal cancer patients. Biomedical Chromatography, 2018, 32, e4100.	0.8	9
38	Overview of the Development of DprE1 Inhibitors for Combating the Menace of Tuberculosis. Journal of Medicinal Chemistry, 2018, 61, 8563-8593.	2.9	94
39	Vicinal Diaryl Triazoles and Tetrazoles. , 2018, , 191-219.		2
40	Design, Synthesis and Pharmacological Evaluation of Some Novel Tetrahydrocarbazoles as Potential COX-2 Inhibitors. Letters in Drug Design and Discovery, 2018, 15, 437-449.	0.4	4
41	A Validated Stability-Indicating HPTLC Method for the Estimation of Capecitabine in its Tablet Dosage Form. Current Pharmaceutical Analysis, 2018, 15, 61-66.	0.3	3
42	Computational Modelling of Kinase Inhibitors as Anti-Alzheimer Agents. Neuromethods, 2018, , 347-417.	0.2	3
43	Flavoring of Pediatric Nutritional Supplements and Pediatric Compliance: A Perspective. , 2018, , 33-50.		0
44	A validated stability-indicating high-performance thin-layer chromatographic method for the analysis of methotrexate in bulk drug and marketed injection. Journal of Planar Chromatography - Modern TLC, 2017, 30, 75-79.	0.6	2
45	Facile and efficient synthesis of benzoxazole derivatives using novel catalytic activity of PEG-SO 3 H. Arabian Journal of Chemistry, 2017, 10, 715-725.	2.3	16
46	Synthesis and Molecular Docking Studies of Glucose-linked Isonicotinoyl- 1,3,4-Thiadiazolidines as Antitubercular Agents. Letters in Organic Chemistry, 2017, 15, .	0.2	0
47	Molecular Docking, Synthesis and CNS Activity of Some Novel 1, 4-Benzodiazepine Derivatives. Letters in Drug Design and Discovery, 2017, 14, .	0.4	2
48	Design, Synthesis, Pharmacological Evaluation and Molecular Docking Studies of Substituted Oxadiazolyl-2-Oxoindolinylidene Propane Hydrazide Derivatives. Journal of the Brazilian Chemical Society, 2016, , .	0.6	7
49	Determination and Pharmacokinetic Study of Pirfenidone in Rat Serum by High-Performance Thin-Layer Chromatography. Journal of Chromatographic Science, 2016, 54, 1115-1119.	0.7	6
50	Tissue Engineering: Principles, Recent Trends, and the Future. , 2016, , 57-108.		1
51	Development of selective DprE1 inhibitors: Design, synthesis, crystal structure and antitubercular activity of benzothiazolylpyrimidine-5-carboxamides. European Journal of Medicinal Chemistry, 2015, 96, 30-46.	2.6	89
52	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.	1.4	29
53	Development of dual inhibitors targeting DprE1 and AHAS for treatment of Mycobacterium tuberculosis infection. BMC Infectious Diseases, 2014, 14, .	1.3	6
54	LEDGF/p75 IN interaction inhibitors: in silico studies of an old target with novel approach. BMC Infectious Diseases, 2014, 14, .	1.3	2

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55	Ultrasound Assisted One-Pot Synthesis of Some 1, 5-Benzodiazepine Derivatives. Current Catalysis, 2013, 2, 111-115.	0.5	2
56	Chandipura Virus: An emerging tropical pathogen. Acta Tropica, 2012, 124, 1-14.	0.9	44
57	Smallest Organism; Highest Threat. Materia Socio-medica, 2012, 24, 268.	0.3	1
58	Design, Formulation and Evaluation of Transdermal Drug Delivery System of Budesonide. Pharmacology & Pharmacy, 2011, 02, 199-211.	0.2	10
59	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.	1.6	41
60	Synthesis and pharmacological investigation of 3-(substituted 1-phenylethanone)-4-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 44, 3645-3653.	2.6	89