

# Rajnish Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,098  
citations

393982

19  
h-index

476904

29  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zingerone silences quorum sensing and attenuates virulence of <i>Pseudomonas aeruginosa</i> . <i>Food Bioprocess Technology</i> , 2015, 102, 84-95.	1.1	100
2	Application of microarray in breast cancer: An overview. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2012, 4, 21.	0.2	52
3	Sense of Smell: Structural, Functional, Mechanistic Advancements and Challenges in Human Olfactory Research. <i>Current Neuropharmacology</i> , 2019, 17, 891-911.	1.4	52
4	SMILES to Smell: Decoding the Structure-Odor Relationship of Chemical Compounds Using the Deep Neural Network Approach. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 676-688.	2.5	49
5	Small molecule therapeutics for tauopathy in Alzheimer's disease: Walking on the path of most resistance. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112915.	2.6	48
6	Prediction of Human Intestinal Absorption of Compounds Using Artificial Intelligence Techniques. <i>Current Drug Discovery Technologies</i> , 2017, 14, 244-254.	0.6	43
7	Deep learning tools for advancing drug discovery and development. <i>3 Biotech</i> , 2022, 12, 110.	1.1	39
8	Therapeutic Promises of Chlorogenic Acid with Special Emphasis on its Anti-Obesity Property. <i>Current Molecular Pharmacology</i> , 2020, 13, 7-16.	0.7	37
9	Novel Ocimumoside A and B as anti-stress agents: Modulation of brain monoamines and antioxidant systems in chronic unpredictable stress model in rats. <i>Phytomedicine</i> , 2012, 19, 639-647.	2.3	36
10	Brain Region Specific Monoamine and Oxidative Changes During Restraint Stress. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 311-318.	0.3	30
11	Combined x-ray crystallography and computational modeling approach to investigate the Hsp90 C-terminal peptide binding to FKBP51. <i>Scientific Reports</i> , 2017, 7, 14288.	1.6	30
12	Blood Brain Barrier Permeability Prediction Using Machine Learning Techniques: An Update. <i>Current Pharmaceutical Biotechnology</i> , 2019, 20, 1163-1171.	0.9	30
13	Discovery of novel choline acetyltransferase inhibitors using structure-based virtual screening. <i>Scientific Reports</i> , 2017, 7, 16287.	1.6	29
14	Stem cells: An overview with respect to cardiovascular and renal disease. <i>Journal of Natural Science, Biology and Medicine</i> , 2010, 1, 43.	1.0	26
15	Targeting SARS-CoV-2 main protease: structure based virtual screening, in silico ADMET studies and molecular dynamics simulation for identification of potential inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3609-3625.	2.0	25
16	Hydroxychloroquine in COVID-19: therapeutic promises, current status, and environmental implications. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40431-40444.	2.7	25
17	A prediction model for oral bioavailability of drugs using physicochemical properties by support vector machine. <i>Journal of Natural Science, Biology and Medicine</i> , 2011, 2, 168.	1.0	25
18	Prediction of Drug-Plasma Protein Binding Using Artificial Intelligence Based Algorithms. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2018, 21, 57-64.	0.6	24

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19	Can we predict blood brain barrier permeability of ligands using computational approaches?. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 95-101.	2.2	22
20	Prediction of Metabolism of Drugs using Artificial Intelligence: How far have we reached?. <i>Current Drug Metabolism</i> , 2016, 17, 129-141.	0.7	22
21	A comparative study of support vector machine, artificial neural network and Bayesian classifier for mutagenicity prediction. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2011, 3, 232-239.	2.2	21
22	Promises of Machine Learning Approaches in Prediction of Absorption of Compounds. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 18, 196-207.	1.1	21
23	Allosteric Binding Sites of A $\beta$ 2 Peptides on the Acetylcholine Synthesizing Enzyme ChAT as Deduced by In Silico Molecular Modeling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6073.	1.8	21
24	DeepOlf: Deep Neural Network Based Architecture for Predicting Odorants and Their Interacting Olfactory Receptors. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2022, 19, 418-428.	1.9	20
25	Advanced stage of breast cancer hoist alkaline phosphatase activity: risk factor for females in India. <i>3 Biotech</i> , 2013, 3, 517-520.	1.1	19
26	Tozasertib Attenuates Neuropathic Pain by Interfering with Aurora Kinase and KIF11 Mediated Nociception. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1948-1960.	1.7	19
27	Pharmacological screening for anti-inflammatory, analgesic activity of pyrazolyl derivatives along with molecular docking studies. <i>Medicinal Chemistry Research</i> , 2012, 21, 3646-3655.	1.1	17
28	A deep neural network-based approach for prediction of mutagenicity of compounds. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47641-47650.	2.7	17
29	Multi-Omics Approach in the Identification of Potential Therapeutic Biomolecule for COVID-19. <i>Frontiers in Pharmacology</i> , 2021, 12, 652335.	1.6	17
30	DeePred-BBB: A Blood Brain Barrier Permeability Prediction Model With Improved Accuracy. <i>Frontiers in Neuroscience</i> , 2022, 16, 858126.	1.4	17
31	Purification, Characterization, Sequencing and Biological Chemistry of Galectin-1 Purified from <i>Capra hircus</i> (goat) Heart. <i>Protein Journal</i> , 2011, 30, 39-51.	0.7	16
32	Recent trends in stem cell-based therapies and applications of artificial intelligence in regenerative medicine. <i>World Journal of Stem Cells</i> , 2021, 13, 521-541.	1.3	16
33	OlfactionBase: a repository to explore odors, odorants, olfactory receptors and odorant-receptor interactions. <i>Nucleic Acids Research</i> , 2022, 50, D678-D686.	6.5	15
34	Available Compounds With Therapeutic Potential Against COVID-19: Antimicrobial Therapies, Supportive Care, and Probable Vaccines. <i>Frontiers in Pharmacology</i> , 2020, 11, 582025.	1.6	14
35	3D-QSAR CoMFA and CoMSIA studies for design of potent human steroid 5 $\alpha$ -reductase inhibitors. <i>Medicinal Chemistry Research</i> , 2013, 22, 105-114.	1.1	12
36	Classification of oral bioavailability of drugs by machine learning approaches: a comparative study.. <i>Journal of Computational Interdisciplinary Sciences</i> , 2012, 2, .	0.3	11

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37	Crosstalk between epigenetics and mTOR as a gateway to new insights in pathophysiology and treatment of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 895-903.	3.6	9
38	Structure-based virtual screening and molecular dynamics simulation for the identification of sphingosine kinase-2 inhibitors as potential analgesics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12472-12490.	2.0	8
39	Design of potent human steroid 5 $\alpha$ -reductase inhibitors: 3D-QSAR CoMFA, CoMSIA and docking studies. <i>Medicinal Chemistry Research</i> , 2013, 22, 4568-4580.	1.1	7
40	Recent Applications of Artificial Intelligence in the Detection of Gastrointestinal, Hepatic and Pancreatic Diseases. <i>Current Medicinal Chemistry</i> , 2022, 29, 66-85.	1.2	7
41	Development of Machine Learning Based Blood-brain Barrier Permeability Prediction Models Using Physicochemical Properties, MACCS and Substructure Fingerprints. <i>Current Bioinformatics</i> , 2021, 16, 855-864.	0.7	7
42	Dissecting Sex-Related Cognition between Alzheimer's Disease and Diabetes: From Molecular Mechanisms to Potential Therapeutic Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	6
43	Recent Applications of Artificial Intelligence in Early Cancer Detection. <i>Current Medicinal Chemistry</i> , 2022, 29, 4410-4435.	1.2	6
44	Prospects of Nano-Material in Breast Cancer Management. <i>Pathology and Oncology Research</i> , 2013, 19, 155-165.	0.9	5
45	A paradigm for development of novel PTP 1B inhibitors: Pharmacophore modelling, atom-based 3D-QSAR and docking studies. <i>Medicinal Chemistry Research</i> , 2014, 23, 927-938.	1.1	5
46	OBPred: feature-fusion-based deep neural network classifier for odorant-binding protein prediction. <i>Neural Computing and Applications</i> , 2021, 33, 17633-17646.	3.2	5
47	Deep Learning in Disease Diagnosis: Models and Datasets. <i>Current Bioinformatics</i> , 2021, 16, 632-643.	0.7	4
48	Screening of potential antigens from whole proteome and development of multi-epitope vaccine against <i>Rhizopus delemar</i> using immunoinformatics approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, , 1-28.	2.0	4
49	Accounting of ligand-receptor interactions to explore and design novel architecture for PTP 1B inhibition: a legitimate approach. <i>Journal of Chemometrics</i> , 2012, 26, 576-584.	0.7	2
50	Computational Outlook of Marine Compounds as Anti-Cancer Representatives Targeting BCL-2 and Survivin. <i>Current Computer-Aided Drug Design</i> , 2019, 15, 265-276.	0.8	2
51	Epigenetic Modifications by Estrogen and Androgen in Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 6-17.	0.8	2
52	Prediction of Elimination of Compounds Using Artificial Intelligence Techniques. , 2018, , .		1
53	Decoding Seven Basic Odors by Investigating Pharmacophores and Molecular Features of Odorants. <i>Current Bioinformatics</i> , 2022, 17, 759-774.	0.7	1
54	Prediction of catalytic site of proteins based on amino acid triads approach using non parametric function. , 2016, , .		0