Raju Dash

List of Publications by Year
in descending order

72 papers	1,600 citations	331670 21 h-index	345221 36 g-index
84 all docs	84 docs citations	84 times ranked	2083 citing authors

#	Article	IF	Citations
1	Targeting Estrogen Signaling in the Radiation-induced Neurodegeneration: A Possible Role of Phytoestrogens. Current Neuropharmacology, 2023, 21, 353-379.	2.9	5
2	In silicodesign of epitope-based peptide vaccine against non-typhoidalSalmonellathrough immunoinformatic approaches. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10696-10714.	3.5	2
3	Multidisciplinary approaches to coping with neurodegenerative disorders amid COVID-19 pandemic. Journal of Advanced Biotechnology and Experimental Therapeutics, 2022, 5, 100.	0.9	0
4	GreenMolBD: Nature Derived Bioactive Molecules' Database. Medicinal Chemistry, 2022, 18, 724-733.	1.5	4
5	Chemotherapeutic potential of hesperetin for cancer treatment, with mechanistic insights: A comprehensive review. Heliyon, 2022, 8, e08815.	3.2	37
6	Structural Consequence of Non-Synonymous Single-Nucleotide Variants in the N-Terminal Domain of LIS1. International Journal of Molecular Sciences, 2022, 23, 3109.	4.1	3
7	Unveiling the effect of Withania somnifera on neuronal cytoarchitecture and synaptogenesis: A combined in vitro and network pharmacology approach. Phytotherapy Research, 2022, 36, 2524-2541.	5.8	3
8	Dynamic insights into the effects of nonsynonymous polymorphisms (nsSNPs) on loss of TREM2 function. Scientific Reports, 2022, 12, .	3.3	5
9	Molecular simulation studies to reveal the binding mechanisms of shikonin derivatives inhibiting VEGFR-2 kinase. Computational Biology and Chemistry, 2021, 90, 107414.	2.3	9
10	Emerging potential of cannabidiol in reversing proteinopathies. Ageing Research Reviews, 2021, 65, 101209.	10.9	28
11	The potential LXRÎ² agonist stigmasterol protects against hypoxia/reoxygenation injury by modulating mitophagy in primary hippocampal neurons. Phytomedicine, 2021, 81, 153415.	5.3	26
12	Nutritional Value, Phytochemical Profile, Antioxidant Property and Agar Yielding Potential of Macroalgae from Coasts of Coxâ€™s Bazar and St. Martinâ€™s Island of Bangladesh. Journal of Aquatic Food Product Technology, 2021, 30, 217-227.	1.4	8
13	Phytosterols: Targeting Neuroinflammation in Neurodegeneration. Current Pharmaceutical Design, 2021, 27, 383-401.	1.9	24
14	Centella asiatica promotes early differentiation, axodendritic maturation and synaptic formation in primary hippocampal neurons. Neurochemistry International, 2021, 144, 104957.	3.8	8
15	Prospects of Marine Sterols against Pathobiology of Alzheimerâ€™s Disease: Pharmacological Insights and Technological Advances. Marine Drugs, 2021, 19, 167.	4.6	13
16	Phytochemicals as a Complement to Cancer Chemotherapy: Pharmacological Modulation of the Autophagy-Apoptosis Pathway. Frontiers in Pharmacology, 2021, 12, 639628.	3.5	61
17	Black Cumin (Nigella sativa L.): A Comprehensive Review on Phytochemistry, Health Benefits, Molecular Pharmacology, and Safety. Nutrients, 2021, 13, 1784.	4.1	101
18	Potential roles of natural products in the targeting of proteinopathic neurodegenerative diseases. Neurochemistry International, 2021, 145, 105011.	3.8	20

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19	Computational Insights into the Deleterious Impacts of Missense Variants on N-Acetyl-d-glucosamine Kinase Structure and Function. International Journal of Molecular Sciences, 2021, 22, 8048.	4.1	6
20	Biofunctionalities of unprocessed and processed flours of Australian lupin cultivars: Antidiabetic and organ protective potential studies. Food Research International, 2021, 147, 110536.	6.2	5
21	N-Acetyl-d-Glucosamine Kinase Interacts with NudC and Lis1 in Dynein Motor Complex and Promotes Cell Migration. International Journal of Molecular Sciences, 2021, 22, 129.	4.1	9
22	In silico chemical profiling and identification of neuromodulators from Curcuma amada targeting acetylcholinesterase. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	1
23	In silico analysis of nonsynonymous singleâ€nucleotide polymorphisms (nsSNPs) of the SMPX gene. Annals of Human Genetics, 2020, 84, 54-71.	0.8	20
24	Computational SNP Analysis and Molecular Simulation Revealed the Most Deleterious Missense Variants in the NBD1 Domain of Human ABCA1 Transporter. International Journal of Molecular Sciences, 2020, 21, 7606.	4.1	22
25	P.765 The role of N-acetyl-D-glucosamine kinase in protecting proteinopathies. European Neuropsychopharmacology, 2020, 40, S433-S434.	0.7	0
26	Neuroprotection Against Oxidative Stress: Phytochemicals Targeting TrkB Signaling and the Nrf2-ARE Antioxidant System. Frontiers in Molecular Neuroscience, 2020, 13, 116.	2.9	101
27	N-acetyl-D-glucosamine kinase binds dynein light chain roadblock 1 and promotes protein aggregate clearance. Cell Death and Disease, 2020, 11, 619.	6.3	15
28	Gelidium amansii Attenuates Hypoxia/Reoxygenation-Induced Oxidative Injury in Primary Hippocampal Neurons through Suppressing GluN2B Expression. Antioxidants, 2020, 9, 223.	5.1	18
29	Phytosterols of marine algae: Insights into the potential health benefits and molecular pharmacology. Phytomedicine, 2020, 69, 153201.	5.3	85
30	Neuroprotective Potentials of Marine Algae and Their Bioactive Metabolites: Pharmacological Insights and Therapeutic Advances. Marine Drugs, 2020, 18, 347.	4.6	66
31	Intermittent fasting, a possible priming tool for host defense against SARS-CoV-2 infection: Crosstalk among calorie restriction, autophagy and immune response. Immunology Letters, 2020, 226, 38-45.	2.5	52
32	Revisiting potential druggable targets against <scp>SARSâ€CoV</scp>â€2 and repurposing therapeutics under preclinical study and clinical trials: A comprehensive review. Drug Development Research, 2020, 81, 919-941.	2.9	35
33	Mechanistic insights into the deleterious roles of Nasu-Hakola disease associated TREM2 variants. Scientific Reports, 2020, 10, 3663.	3.3	24
34	Targeting galectin-3 by natural glycosides: a computational approach. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	9
35	Integrated System Pharmacology and In Silico Analysis Elucidating Neuropharmacological Actions of Withania somnifera in the Treatment of Alzheimerâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2020, 19, 541-556.	1.4	6
36	Identification of potential SARS-CoV-2 main protease inhibitors from Ficus Carica Latex: An in-silico approach. Journal of Advanced Biotechnology and Experimental Therapeutics, 2020, 3, 57.	0.9	9

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37	Stigmasterol stimulates neuronal migration through Reln-ApoER2-JNK signaling in neurosphere migration assays. IBRO Reports, 2019, 6, S475.	0.3	0
38	Potential Therapeutic Targets of Quercetin and Its Derivatives: Its Role in the Therapy of Cognitive Impairment. Journal of Clinical Medicine, 2019, 8, 1789.	2.4	33
39	Identification of potential neuromodulatory targets of stigmasterol through reverse docking integrated network pharmacology approach. IBRO Reports, 2019, 6, S537.	0.3	0
40	Structure-based identification of potent VEGFR-2 inhibitors from in vivo metabolites of a herbal ingredient. Journal of Molecular Modeling, 2019, 25, 98.	1.8	37
41	Identification and structural characterization of deleterious non-synonymous single nucleotide polymorphisms in the human SKP2 gene. Computational Biology and Chemistry, 2019, 79, 127-136.	2.3	18
42	Deciphering Molecular Mechanism of the Neuropharmacological Action of Fucosterol through Integrated System Pharmacology and In Silico Analysis. Marine Drugs, 2019, 17, 639.	4.6	29
43	3Î², 6Î²-dichloro-5-hydroxy-5Î±-cholestane facilitates neuronal development through modulating TrkA signaling regulated proteins in primary hippocampal neuron. Scientific Reports, 2019, 9, 18919.	3.3	11
44	Structural and Dynamic Characterizations Highlight the Deleterious Role of SULT1A1 R213H Polymorphism in Substrate Binding. International Journal of Molecular Sciences, 2019, 20, 6256.	4.1	43
45	Prospecting and Structural Insight into the Binding of Novel Plant-Derived Molecules of Leea indica as Inhibitors of BACE1. Current Pharmaceutical Design, 2019, 24, 3972-3979.	1.9	15
46	Unveiling the Structural Insights into the Selective Inhibition of Protein Kinase D1. Current Pharmaceutical Design, 2019, 25, 1059-1074.	1.9	16
47	In silico quest of selective naphthyl-based CREBBP bromodomain inhibitor. In Silico Pharmacology, 2018, 6, 1.	3.3	6
48	Structural dynamics and quantum mechanical aspects of shikonin derivatives as CREBBP bromodomain inhibitors. Journal of Molecular Graphics and Modelling, 2018, 83, 42-52.	2.4	39
49	Natural Products for the Management and Prevention of Breast Cancer. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-23.	1.2	141
50	A Computational workflow for the identification of the potent inhibitor of type II secretion system traffic ATPase of Pseudomonas aeruginosa. Computational Biology and Chemistry, 2018, 76, 191-201.	2.3	10
51	Molecular Docking and Binding Free Energy Analysis of Rutin and Apigetrin as Galectin-1 Inhibitors. SDRP Journal of Computational Chemistry & Molecular Modelling, 2018, 2, 1-10.	0.3	2
52	Trypanosuppresive effects of ellagic acid and amelioration of the trypanosome-associated pathological features coupled with inhibitory effects on trypanosomal sialidase in vitro and in silico. Phytomedicine, 2017, 30, 67-73.	5.3	17
53	Antidiarrheal and antinociceptive activities of ethanol extract and its chloroform and pet ether fraction of Phrynium imbricatum (Roxb.) leaves in mice. Journal of Basic and Clinical Physiology and Pharmacology, 2017, 28, 483-492.	1.3	1
54	In silico-based vaccine design against Ebola virus glycoprotein. Advances and Applications in Bioinformatics and Chemistry, 2017, Volume 10, 11-28.	2.6	55

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55	Molecular Insight and Binding Pattern Analysis of Shikonin as a Potential VEGFR-2 Inhibitor. Current Enzyme Inhibition, 2017, 13, .	0.4	9
56	Molecular simulation studies of 3,3â€²-Diindolylmethane as a Potent MicroRNA-21 Antagonist. Journal of Pharmacy and Bioallied Sciences, 2017, 9, 259.	0.6	15
57	Computational Analysis and Binding Site Identification of Type III Secretion System ATPase from Pseudomonas aeruginosa. Interdisciplinary Sciences, Computational Life Sciences, 2016, 8, 403-411.	3.6	10
58	Effects of Five Bangladeshi Plant Extracts on In vitro Thrombolysis and Cytotoxicity. Pharmacognosy Research (discontinued), 2016, 8, 176.	0.6	1
59	Molecular docking analysis of known flavonoids as duel COX-2 inhibitors in the context of cancer. Bioinformation, 2015, 11, 543-549.	0.5	14
60	Antithrombotic Effects of Five Organic Extracts of Bangladeshi PlantsIn Vitroand Mechanisms inIn SilicoModels. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	1.2	16
61	Molecular docking and inhibition studies on the interactions of Bacopa monnieriâ€™s potent phytochemicals against pathogenic Staphylococcus aureus. DARU, Journal of Pharmaceutical Sciences, 2015, 23, 26.	2.0	38
62	Effects of organic extracts and their different fractions of five Bangladeshi plants on in vitro thrombolysis. BMC Complementary and Alternative Medicine, 2015, 15, 128.	3.7	45
63	Molecular docking of fisetin with AD associated AChE, ABAD and BACE1 proteins. Bioinformation, 2014, 10, 562-568.	0.5	41
64	Molecular docking and analgesic studies of Erythrina variegataâ€™s derived phytochemicals with COX enzymes. Bioinformation, 2014, 10, 630-636.	0.5	8
65	A study of the prevalence of thalassemia and its correlation with liver function test in different age and sex group in the Chittagong district of Bangladesh. Journal of Basic and Clinical Pharmacy, 2012, 3, 352.	9.3	19
66	Evolution of selective COX-2 inhibitor from Alangium salvifolium: an in silico approach. Journal of Applied Pharmaceutical Science, 0, , 089-093.	1.0	8
67	In silico analysis of indole-3-carbinol and its metabolite DIM as EGFR tyrosine kinase inhibitors in platinum resistant ovarian cancer vis a vis ADME/T property analysis. Journal of Applied Pharmaceutical Science, 0, , 073-078.	1.0	15
68	Virtual screening for potential COX-inhibiting constituents from Mimosa pudica. Journal of Applied Pharmaceutical Science, 0, , 071-075.	1.0	5
69	Docking and ADME/T analysis of silibinin as a potential inhibitor of EGFR kinase for ovarian cancer therapy. Journal of Applied Pharmaceutical Science, 0, , 001-005.	1.0	7
70	In silico ADME/T and 3D QSAR analysis of KDR inhibitors. Journal of Applied Pharmaceutical Science, 0, , 120-128.	1.0	12
71	Application of Natural Products in Radiotherapy-Induced Dermatitis: A Comprehensive Review. Traditional and Integrative Medicine, 0, , .	0.0	1
72	Computer-aided rational design of acyclovir analogs to inhibit purine nucleoside phosphorylase. Pharmaceutical and Biomedical Research, 0, , .	0.2	0