

Chiranjib Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

196
papers

6,911
citations

61857

43
h-index

79541

73
g-index

199
all docs

199
docs citations

199
times ranked

10138
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic miRNA and siRNA: Moving from Bench to Clinic as Next Generation Medicine. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 132-143.	2.3	600
2	Development of epitope-based peptide vaccine against novel coronavirus 2019 (SARS-CoV-2): Immunoinformatics approach. <i>Journal of Medical Virology</i> , 2020, 92, 618-631.	2.5	315
3	Therapeutic advances of miRNAs: A preclinical and clinical update. <i>Journal of Advanced Research</i> , 2021, 28, 127-138.	4.4	244
4	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. <i>Journal of Nanobiotechnology</i> , 2016, 14, 65.	4.2	231
5	Zebrafish: A Complete Animal Model for In Vivo Drug Discovery and Development. <i>Current Drug Metabolism</i> , 2009, 10, 116-124.	0.7	221
6	Influence of miRNA in insulin signaling pathway and insulin resistance: microRNAs with a major role in type 2 diabetes. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 697-712.	3.2	202
7	SARS-CoV-2 causing pneumonia-associated respiratory disorder (COVID-19): diagnostic and proposed therapeutic options. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 4016-4026.	0.5	186
8	Nanoparticle based insulin delivery system: the next generation efficient therapy for Type 1 diabetes. <i>Journal of Nanobiotechnology</i> , 2015, 13, 74.	4.2	145
9	Advances in nanocarriers enabled brain targeted drug delivery across blood brain barrier. <i>International Journal of Pharmaceutics</i> , 2019, 559, 360-372.	2.6	132
10	Application of Bioactive Quercetin in Oncotherapy: From Nutrition to Nanomedicine. <i>Molecules</i> , 2016, 21, 108.	1.7	127
11	CRISPR-Cas9: A Preclinical and Clinical Perspective for the Treatment of Human Diseases. <i>Molecular Therapy</i> , 2021, 29, 571-586.	3.7	124
12	Probable Molecular Mechanism of Remdesivir for the Treatment of COVID-19: Need to Know More. <i>Archives of Medical Research</i> , 2020, 51, 585-586.	1.5	110
13	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 1258.	1.6	91
14	The Drug Repurposing for COVID-19 Clinical Trials Provide Very Effective Therapeutic Combinations: Lessons Learned From Major Clinical Studies. <i>Frontiers in Pharmacology</i> , 2021, 12, 704205.	1.6	89
15	Review of Prospects of Biological Fluid Biomarkers in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 601.	1.8	88
16	The novel strategies for next-generation cancer treatment: miRNA combined with chemotherapeutic agents for the treatment of cancer. <i>Oncotarget</i> , 2018, 9, 10164-10174.	0.8	86
17	The Zebrafish Model: Use in Studying Cellular Mechanisms for a Spectrum of Clinical Disease Entities. <i>Current Neurovascular Research</i> , 2007, 4, 111-120.	0.4	85
18	miRNAs in Alzheimer Disease - A Therapeutic Perspective. <i>Current Alzheimer Research</i> , 2017, 14, 1198-1206.	0.7	82

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19	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. Archives of Medical Research, 2020, 51, 595-597.	1.5	81
20	The recently emerged BA.4 and BA.5 lineages of Omicron and their global health concerns amid the ongoing wave of COVID-19 pandemic "Correspondence. International Journal of Surgery, 2022, 103, 106698.	1.1	76
21	Omicron (B.1.1.529) variant of SARS-CoV-2: Concerns, challenges, and recent updates. Journal of Medical Virology, 2022, 94, 2336-2342.	2.5	75
22	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. Frontiers in Immunology, 2021, 12, 679344.	2.2	74
23	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations. Frontiers in Immunology, 2022, 13, 801522.	2.2	73
24	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. Oncotarget, 0, 7, 42683-42697.	0.8	72
25	Present variants of concern and variants of interest of severe acute respiratory syndrome coronavirus 2: Their significant mutations in glycoprotein, infectivity, re-infectivity, immune escape and vaccines activity. Reviews in Medical Virology, 2022, 32, e2270.	3.9	71
26	Immunoinformatics approach to understand molecular interaction between multi-epitopic regions of SARS-CoV-2 spike-protein with TLR4/MD-2 complex. Infection, Genetics and Evolution, 2020, 85, 104587.	1.0	68
27	The Interplay among miRNAs, Major Cytokines, and Cancer-Related Inflammation. Molecular Therapy - Nucleic Acids, 2020, 20, 606-620.	2.3	68
28	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. Asian Pacific Journal of Tropical Medicine, 2020, 13, 242.	0.4	67
29	miRNAs in Insulin Resistance and Diabetes-Associated Pancreatic Cancer: The "Minute and Miracle" Molecule Moving as a Monitor in the "Genomic Galaxy". Current Drug Targets, 2013, 14, 1110-1117.	1.0	65
30	COVID-19: Consider IL-6 receptor antagonist for the therapy of cytokine storm syndrome in SARS-CoV-2 infected patients. Journal of Medical Virology, 2020, 92, 2260-2262.	2.5	62
31	miRNA-regulated cancer stem cells: understanding the property and the role of miRNA in carcinogenesis. Tumor Biology, 2016, 37, 13039-13048.	0.8	61
32	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. MBio, 2021, 12, e0114021.	1.8	58
33	TNF/TNFR: drug target for autoimmune diseases and immune-mediated inflammatory diseases. Frontiers in Bioscience - Landmark, 2014, 19, 1028.	3.0	56
34	Profiling cell-free and circulating miRNA: a clinical diagnostic tool for different cancers. Tumor Biology, 2016, 37, 5705-5714.	0.8	56
35	Unexpected sudden rise of human monkeypox cases in multiple non-endemic countries amid COVID-19 pandemic and salient counteracting strategies: Another potential global threat?. International Journal of Surgery, 2022, 103, 106705.	1.1	56
36	A SARS-CoV-2 vaccine candidate: In-silico cloning and validation. Informatics in Medicine Unlocked, 2020, 20, 100394.	1.9	55

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37	Methoxy Poly(ethylene glycol)-Poly(lactide) Nanoparticles Encapsulating Quercetin Act as an Effective Anticancer Agent by Inducing Apoptosis in Breast Cancer. <i>Pharmaceutical Research</i> , 2015, 32, 723-735.	1.7	54
38	Consider TLR5 for new therapeutic development against COVID-19. <i>Journal of Medical Virology</i> , 2020, 92, 2314-2315.	2.5	54
39	miRNA-Regulated Key Components of Cytokine Signaling Pathways and Inflammation in Rheumatoid Arthritis. <i>Medicinal Research Reviews</i> , 2016, 36, 425-439.	5.0	53
40	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. <i>Archives of Medical Research</i> , 2020, 51, 728-730.	1.5	52
41	Analysing the Effect of Mutation on Protein Function and Discovering Potential Inhibitors of CDK4: Molecular Modelling and Dynamics Studies. <i>PLoS ONE</i> , 2015, 10, e0133969.	1.1	50
42	Neuroprotection by marine-derived compound, 11-dehydrosinulariolide, in an in vitro Parkinson's model: a promising candidate for the treatment of Parkinson's disease. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 265-275.	1.4	49
43	Evolution- and Structure-Based Computational Strategy Reveals the Impact of Deleterious Missense Mutations on MODY 2 (Maturity-Onset Diabetes of the Young, Type 2). <i>Theranostics</i> , 2014, 4, 366-385.	4.6	48
44	Extrapolating the effect of deleterious nsSNPs in the binding adaptability of flavopiridol with CDK7 protein: a molecular dynamics approach. <i>Human Genomics</i> , 2013, 7, 10.	1.4	47
45	The current second wave and COVID-19 vaccination status in India. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 1-4.	2.0	47
46	Biochemical and Molecular Basis of Insulin Resistance. <i>Current Protein and Peptide Science</i> , 2006, 7, 113-121.	0.7	45
47	Virtual screening of the inhibitors targeting at the viral protein 40 of Ebola virus. <i>Infectious Diseases of Poverty</i> , 2016, 5, 12.	1.5	44
48	Influence of V54M mutation in giant muscle protein titin: a computational screening and molecular dynamics approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 917-928.	2.0	44
49	RNA interference: potential therapeutic targets. <i>Applied Microbiology and Biotechnology</i> , 2004, 65, 649-657.	1.7	43
50	DNA barcoding to fishes: current status and future directions. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2744-2752.	0.7	43
51	Future prospects of nanoparticles on brain targeted drug delivery. <i>Journal of Neuro-Oncology</i> , 2009, 93, 285-286.	1.4	42
52	Potentiality of Small Interfering RNAs (siRNA) as Recent Therapeutic Targets for Gene-Silencing. <i>Current Drug Targets</i> , 2007, 8, 469-482.	1.0	41
53	Integrating <i>In Silico</i> Prediction Methods, Molecular Docking, and Molecular Dynamics Simulation to Predict the Impact of ALK Missense Mutations in Structural Perspective. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	40
54	DNA barcoding to map the microbial communities: current advances and future directions. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3425-3436.	1.7	40

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55	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017, 254, 17-31.	1.0	39
56	Omicron variant (B.1.1.529) of SARS-CoV-2: understanding mutations in the genome, S-glycoprotein, and antibody-binding regions. <i>GeroScience</i> , 2022, 44, 619-637.	2.1	39
57	Structural signature of the G719S-T790M double mutation in the EGFR kinase domain and its response to inhibitors. <i>Scientific Reports</i> , 2014, 4, 5868.	1.6	37
58	A Novel Multi-Epitopic Peptide Vaccine Candidate Against <i>Helicobacter pylori</i> : In-Silico Identification, Design, Cloning and Validation Through Molecular Dynamics. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1149-1166.	0.9	37
59	Effects of propofol on proliferation and anti-apoptosis of neuroblastoma SH-SY5Y cell line: New insights into neuroprotection. <i>Brain Research</i> , 2011, 1384, 42-50.	1.1	34
60	PLK-1: Angel or devil for cell cycle progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1865, 190-203.	3.3	34
61	India's cost-effective COVID-19 vaccine development initiatives. <i>Vaccine</i> , 2020, 38, 7883-7884.	1.7	34
62	D614G mutation and SARS-CoV-2: impact on S-protein structure, function, infectivity, and immunity. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 9035-9045.	1.7	34
63	Anticancer Drugs Discovery and Development from Marine Organisms. <i>Current Topics in Medicinal Chemistry</i> , 2009, 9, 1536-1545.	1.0	33
64	A Novel Zebrafish Model to Provide Mechanistic Insights into the Inflammatory Events in Carrageenan-Induced Abdominal Edema. <i>PLoS ONE</i> , 2014, 9, e104414.	1.1	33
65	The recombinant variants of SARS-CoV-2: Concerns continues amid COVID-19 pandemic. <i>Journal of Medical Virology</i> , 2022, 94, 3506-3508.	2.5	33
66	Intrathecal lemnalol, a natural marine compound obtained from Formosan soft coral, attenuates nociceptive responses and the activity of spinal glial cells in neuropathic rats. <i>Behavioural Pharmacology</i> , 2011, 22, 739-750.	0.8	32
67	Appearance and re-appearance of zoonotic disease during the pandemic period: long-term monitoring and analysis of zoonosis is crucial to confirm the animal origin of SARS-CoV-2 and monkeypox virus. <i>Veterinary Quarterly</i> , 2022, 42, 119-124.	3.0	32
68	Next Generation Delivery System for Proteins and Genes of Therapeutic Purpose: Why and How?. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	31
69	D614G mutation eventuates in all VOI and VOC in SARS-CoV-2: Is it part of the positive selection pioneered by Darwin?. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 237-241.	2.3	30
70	Nanoparticles as 'smart' pharmaceutical delivery. <i>Frontiers in Bioscience - Landmark</i> , 2013, 18, 1030.	3.0	30
71	Mechanism of artemisinin resistance for malaria PfATP6 L263 mutations and discovering potential antimalarials: An integrated computational approach. <i>Scientific Reports</i> , 2016, 6, 30106.	1.6	29
72	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104951.	1.0	29

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73	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance. <i>Current Opinion in Pharmacology</i> , 2022, 62, 64-73.	1.7	29
74	Deciphering the impact of somatic mutations in exon 20 and exon 9 of <i>PIK3CA</i> gene in breast tumors among Indian women through molecular dynamics approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 29-41.	2.0	28
75	Recombinant SARS-CoV-2 variants XD, XE, and XF: The emergence of recombinant variants requires an urgent call for research – Correspondence. <i>International Journal of Surgery</i> , 2022, 102, 106670.	1.1	27
76	Control electronic waste in India. <i>Nature</i> , 2012, 485, 309-309.	13.7	26
77	Exploring the Evolutionary Relationship of Insulin Receptor Substrate Family Using Computational Biology. <i>PLoS ONE</i> , 2011, 6, e16580.	1.1	25
78	Immunoinformatics Approach for the Identification and Characterization of T Cell and B Cell Epitopes towards the Peptide-Based Vaccine against SARS-CoV-2. <i>Archives of Medical Research</i> , 2021, 52, 362-370.	1.5	24
79	Therapeutic microRNA Delivery Strategies with Special Emphasis on Cancer Therapy and Tumorigenesis: Current Trends and Future Challenges. <i>Current Drug Metabolism</i> , 2016, 17, 469-477.	0.7	24
80	Immune Response to SARS-CoV-2 Vaccines. <i>Biomedicines</i> , 2022, 10, 1464.	1.4	24
81	Suppression of osteogenic activity by regulation of WNT and BMP signaling during titanium particle induced osteolysis. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 912-926.	2.1	23
82	Prion Disease: A Deadly Disease for Protein Misfolding. <i>Current Pharmaceutical Biotechnology</i> , 2005, 6, 167-177.	0.9	22
83	Computational Approaches and Resources in Single Amino Acid Substitutions Analysis Toward Clinical Research. <i>Advances in Protein Chemistry and Structural Biology</i> , 2014, 94, 365-423.	1.0	22
84	Asian-Origin Approved COVID-19 Vaccines and Current Status of COVID-19 Vaccination Program in Asia: A Critical Analysis. <i>Vaccines</i> , 2021, 9, 600.	2.1	22
85	Recent research progress on circular RNAs: Biogenesis, properties, functions, and therapeutic potential. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 355-371.	2.3	22
86	Landscape Mapping of Functional Proteins in Insulin Signal Transduction and Insulin Resistance: A Network-Based Protein-Protein Interaction Analysis. <i>PLoS ONE</i> , 2011, 6, e16388.	1.1	22
87	Recent Advances of Fluorescent Technologies for Drug Discovery and Development. <i>Current Pharmaceutical Design</i> , 2009, 15, 3552-3570.	0.9	21
88	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. <i>Immune Network</i> , 2021, 21, e5.	1.6	21
89	A special report on India's biotech scenario: Advancement in biopharmaceutical and health care sectors. <i>Biotechnology Advances</i> , 2010, 28, 1-6.	6.0	20
90	A Next-Generation Vaccine Candidate Using Alternative Epitopes to Protect against Wuhan and All Significant Mutant Variants of SARS-CoV-2: An Immunoinformatics Approach. , 2021, 12, 2173.		20

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91	Zebrafish Caspase-3: Molecular Cloning, Characterization, Crystallization and Phylogenetic Analysis. <i>Protein and Peptide Letters</i> , 2006, 13, 633-640.	0.4	19
92	Evaluating Protein-protein Interaction (PPI) Networks for Diseases Pathway, Target Discovery, and Drug-design Using "In silico Pharmacology"™. <i>Current Protein and Peptide Science</i> , 2014, 15, 561-571.	0.7	19
93	SARS-CoV-2 protein drug targets landscape: a potential pharmacological insight view for the new drug development. <i>Expert Review of Clinical Pharmacology</i> , 2021, 14, 225-237.	1.3	18
94	SARS-CoV-2 Brazil variants in Latin America: More serious research urgently needed on public health and vaccine protection. <i>Annals of Medicine and Surgery</i> , 2021, 66, 102428.	0.5	18
95	Recent Trends of Polymer Mediated Liposomal Gene Delivery System. <i>BioMed Research International</i> , 2014, 2014, 1-15.	0.9	17
96	Circulating miRNA in Atherosclerosis: A Clinical Biomarker and Early Diagnostic Tool. <i>Current Molecular Medicine</i> , 2022, 22, 250-262.	0.6	17
97	Understanding Gene Expression and Transcriptome Profiling of COVID-19: An Initiative Towards the Mapping of Protective Immunity Genes Against SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2021, 12, 724936.	2.2	17
98	Understanding the Molecular Dynamics of Type-2 Diabetes Drug Target DPP-4 and its Interaction with Sitagliptin and Inhibitor Diprotin-A. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 907-922.	0.9	16
99	Sirtuins Family- Recent Development as a Drug Target for Aging, Metabolism, and Age Related Diseases. <i>Current Drug Targets</i> , 2013, 14, 666-675.	1.0	16
100	Bioengineering of Novel Non-Replicating mRNA (NRM) and Self-Amplifying mRNA (SAM) Vaccine Candidates Against SARS-CoV-2 Using Immunoinformatics Approach. <i>Molecular Biotechnology</i> , 2022, 64, 510-525.	1.3	15
101	Need of booster vaccine doses to counteract the emergence of SARS-CoV-2 variants in the context of the Omicron variant and increasing COVID-19 cases: An update. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, .	1.4	15
102	Computer aided novel antigenic epitopes selection from the outer membrane protein sequences of <i>Aeromonas hydrophila</i> and its analyses. <i>Infection, Genetics and Evolution</i> , 2020, 82, 104320.	1.0	14
103	Dynamics of Diabetes and Obesity: An Alarming Situation in the Developing Countries in Asia. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 1258-1268.	1.1	14
104	Altered gut microbiota patterns in COVID-19: Markers for inflammation and disease severity. <i>World Journal of Gastroenterology</i> , 2022, 28, 2802-2822.	1.4	13
105	Zika: How safe is India?. <i>Infectious Diseases of Poverty</i> , 2017, 6, 37.	1.5	12
106	Computational and modeling approaches to understand the impact of the Fabry's disease causing mutation (D92Y) on the interaction with pharmacological chaperone 1-deoxygalactonojirimycin (DGJ). <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 114, 341-407.	1.0	12
107	Strategies for transdermal drug delivery against bone disorders: A preclinical and clinical update. <i>Journal of Controlled Release</i> , 2021, 336, 375-395.	4.8	12
108	Therapeutics development for Ebola virus disease: A recent scenario. <i>Current Opinion in Pharmacology</i> , 2021, 60, 208-215.	1.7	12

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109	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. <i>Oncotarget</i> , 2017, 8, 37942-37962.	0.8	12
110	Formulation and Application of Biodegradable Nanoparticles Based Biopharmaceutical Delivery - An Efficient Delivery System. <i>Current Pharmaceutical Design</i> , 2016, 22, 3020-3033.	0.9	12
111	Hybrid immunity against COVID-19 in different countries with a special emphasis on the Indian scenario during the Omicron period. <i>International Immunopharmacology</i> , 2022, 108, 108766.	1.7	12
112	Computational Analysis of C-Reactive Protein for Assessment of Molecular Dynamics and Interaction Properties. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 645-656.	0.9	11
113	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently. , 2021, 12, 688.		11
114	A Paradigm Shift in the Combination Changes of SARS-CoV-2 Variants and Increased Spread of Delta Variant (B.1.617.2) across the World. , 2022, 13, 927.		11
115	Application of Evolutionary Based in Silico Methods to Predict the Impact of Single Amino Acid Substitutions in Vitelliform Macular Dystrophy. <i>Advances in Protein Chemistry and Structural Biology</i> , 2014, 94, 177-267.	1.0	10
116	Understanding the molecular interaction of human argonauteâ€2 and miRâ€20a complex: A molecular dynamics approach. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19915-19924.	1.2	10
117	Fibroblast-Like-Synoviocytes Mediate Secretion of Pro-Inflammatory Cytokines via ERK and JNK MAPKs in Ti-Particle-Induced Osteolysis. <i>Materials</i> , 2020, 13, 3628.	1.3	10
118	A hypothetical relationship between the nuclear reprogramming factors for induced pluripotent stem (iPS) cells generation â€ bioinformatic and algorithmic approach. <i>Medical Hypotheses</i> , 2011, 76, 507-511.	0.8	9
119	Predicting the Impact of Deleterious Mutations in the Protein Kinase Domain of FGFR2 in the Context of Function, Structure, and Pathogenesisâ€”a Bioinformatics Approach. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1853-1870.	1.4	9
120	Topology Mapping of Insulin-Regulated Glucose Transporter GLUT4 Using Computational Biology. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 1261-1274.	0.9	9
121	Novel biomarker for prostate cancer diagnosis by MRS. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 1186.	3.0	9
122	Overexpression, Purification and Characterization of Recombinant Salmon Calcitonin, A Therapeutic Protein, in <i>Streptomyces Avermitilis</i> . <i>Protein and Peptide Letters</i> , 2004, 11, 165-173.	0.4	9
123	Diabetes and COVID-19: a major challenge in pandemic period?. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 11409-11420.	0.5	9
124	Continent-wide evolutionary trends of emerging SARS-CoV-2 variants: dynamic profiles from Alpha to Omicron. <i>GeroScience</i> , 2022, 44, 2371-2392.	2.1	9
125	Conserved Domains, Conserved Residues, and Surface Cavities of C-reactive Protein (CRP). <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 497-505.	1.4	8
126	Can computational biology improve the phylogenetic analysis of insulin?. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 108, 860-872.	2.6	8

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127	The Smart Programmable CRISPR Technology: A Next Generation Genome Editing Tool for Investigators. <i>Current Drug Targets</i> , 2017, 18, 1653-1663.	1.0	8
128	Single-cell sequencing of miRNAs: A modified technology. <i>Cell Biology International</i> , 2020, 44, 1773-1780.	1.4	8
129	Identification and Design of a Next-Generation Multi Epitopes Bases Peptide Vaccine Candidate Against Prostate Cancer: An In Silico Approach. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 495-509.	0.9	8
130	Determination of k-mer density in a DNA sequence and subsequent cluster formation algorithm based on the application of electronic filter. <i>Scientific Reports</i> , 2021, 11, 13701.	1.6	8
131	Crucial Protein Based Drug Targets and Potential Inhibitors for Osteoporosis: New Hope and Possibilities. <i>Current Drug Targets</i> , 2013, 14, 1707-1713.	1.0	8
132	Recent progress of circular RNAs in different types of human cancer: Technological landscape, clinical opportunities and challenges (Review). <i>International Journal of Oncology</i> , 2022, 60, .	1.4	8
133	Caspase-3 Induced Apoptosis in Transgenic Zebrafish. <i>Biotechnology Letters</i> , 2006, 28, 189-196.	1.1	7
134	Potentialities of Induced Pluripotent Stem (iPS) Cells for Treatment of Diseases. <i>Current Molecular Medicine</i> , 2010, 10, 756-762.	0.6	7
135	In silico discrimination of nsSNPs in hTERT gene by means of local DNA sequence context and regularity. <i>Journal of Molecular Modeling</i> , 2013, 19, 3517-3527.	0.8	7
136	Can the chemotherapeutic agents perform anticancer activity through miRNA expression regulation? Proposing a new hypothesis. <i>Protoplasma</i> , 2015, 252, 1603-1610.	1.0	7
137	Interaction between miRNAs and signaling cascades of Wnt pathway in chronic lymphocytic leukemia. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4654-4666.	1.2	7
138	Response to: Status of Remdesivir: Not Yet Beyond Question!. <i>Archives of Medical Research</i> , 2021, 52, 104-106.	1.5	7
139	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 933-936.	2.3	7
140	Why zebrafish?. <i>Theoretical Biology Forum</i> , 2010, 103, 25-7.	0.2	7
141	Comparative genomics, evolutionary epidemiology, and RBD-hACE2 receptor binding pattern in B.1.1.7 (Alpha) and B.1.617.2 (Delta) related to their pandemic response in UK and India. <i>Infection, Genetics and Evolution</i> , 2022, 101, 105282.	1.0	7
142	Computational Biophysical, Biochemical, and Evolutionary Signature of Human R-Spondin Family Proteins, the Member of Canonical Wnt/ β -Catenin Signaling Pathway. <i>BioMed Research International</i> , 2014, 2014, 1-22.	0.9	6
143	DNA pattern recognition using canonical correlation algorithm. <i>Journal of Biosciences</i> , 2015, 40, 709-719.	0.5	6
144	Lessons Learned from Cutting-Edge Immunoinformatics on Next-Generation COVID-19 Vaccine Research. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 2303-2311.	0.9	6

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145	Evaluation of molecular interaction, physicochemical parameters and conserved pattern of SARS-CoV-2 Spike RBD and hACE2: in silico and molecular dynamics approach. <i>European Review for Medical and Pharmacological Sciences</i> , 2021, 25, 1708-1723.	0.5	6
146	Human Insulin Genome Sequence Map, Biochemical Structure of Insulin for Recombinant DNA Insulin. <i>Mini-Reviews in Medicinal Chemistry</i> , 2003, 3, 375-385.	1.1	5
147	Network Building of Proteins in a Biochemical Pathway: A Computational Biology Related Model for Target Discovery and Drug-Design. <i>Current Bioinformatics</i> , 2010, 5, 290-295.	0.7	5
148	In Silico Analyses of COMT, an Important Signaling Cascade of Dopaminergic Neurotransmission Pathway, for Drug Development of Parkinson's Disease. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 845-860.	1.4	5
149	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. <i>Genes and Genomics</i> , 2019, 41, 1113-1125.	0.5	5
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