

Chiranjib Chakraborty

List of Publications by Citations

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176
papers

4,367
citations

36
h-index

60
g-index

198
ext. papers

5,710
ext. citations

5.3
avg, IF

6.45
L-index

#	Paper	IF	Citations
176	Therapeutic miRNA and siRNA: Moving from Bench to Clinic as Next Generation Medicine. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 8, 132-143	10.7	464
175	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	19.7	237
174	Zebrafish: a complete animal model for in vivo drug discovery and development. <i>Current Drug Metabolism</i> , 2009 , 10, 116-24	3.5	185
173	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 65	9.4	174
172	Influence of miRNA in insulin signaling pathway and insulin resistance: micro-molecules with a major role in type-2 diabetes. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014 , 5, 697-712	9.3	142
171	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	2.9	130
170	Nanoparticle based insulin delivery system: the next generation efficient therapy for Type 1 diabetes. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 74	9.4	102
169	Application of Bioactive Quercetin in Oncotherapy: From Nutrition to Nanomedicine. <i>Molecules</i> , 2016 , 21, E108	4.8	90
168	Therapeutic advances of miRNAs: A preclinical and clinical update. <i>Journal of Advanced Research</i> , 2021 , 28, 127-138	13	86
167	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	6.6	85
166	Advances in nanocarriers enabled brain targeted drug delivery across blood brain barrier. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 360-372	6.5	83
165	Review of Prospects of Biological Fluid Biomarkers in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	68
164	The zebrafish model: use in studying cellular mechanisms for a spectrum of clinical disease entities. <i>Current Neurovascular Research</i> , 2007 , 4, 111-20	1.8	64
163	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1258	5.6	61
162	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. <i>Archives of Medical Research</i> , 2020 , 51, 595-597	6.6	60
161	miRNAs in insulin resistance and diabetes-associated pancreatic cancer: the 'minute and miracle' molecule moving as a monitor in the 'genomic galaxy'. <i>Current Drug Targets</i> , 2013 , 14, 1110-7	3	58
160	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	3.3	53

159	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. <i>Asian Pacific Journal of Tropical Medicine</i> , 2020 , 13, 242	2.1	52
158	miRNA-regulated cancer stem cells: understanding the property and the role of miRNA in carcinogenesis. <i>Tumor Biology</i> , 2016 , 37, 13039-13048	2.9	52
157	miRNAs in Alzheimer Disease - A Therapeutic Perspective. <i>Current Alzheimer Research</i> , 2017 , 14, 1198-1206		51
156	COVID-19: Consider IL-6 receptor antagonist for the therapy of cytokine storm syndrome in SARS-CoV-2 infected patients. <i>Journal of Medical Virology</i> , 2020 , 92, 2260-2262	19.7	47
155	Profiling cell-free and circulating miRNA: a clinical diagnostic tool for different cancers. <i>Tumor Biology</i> , 2016 , 37, 5705-14	2.9	47
154	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. <i>Oncotarget</i> , 2016 , 7, 42683-42697	3.3	45
153	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, 723-35	4.5	42
152	TNF/TNFR: drug target for autoimmune diseases and immune-mediated inflammatory diseases. <i>Frontiers in Bioscience - Landmark</i> , 2014 , 19, 1028-40	2.8	42
151	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	3.6	41
150	Consider TLR5 for new therapeutic development against COVID-19. <i>Journal of Medical Virology</i> , 2020 , 92, 2314-2315	19.7	40
149	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	6.8	40
148	A SARS-CoV-2 vaccine candidate: cloning and validation. <i>Informatics in Medicine Unlocked</i> , 2020 , 20, 100394	3.4	40
147	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, 366-85	12.1	39
146	Biochemical and molecular basis of insulin resistance. <i>Current Protein and Peptide Science</i> , 2006 , 7, 113-21.8		39
145	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. <i>Archives of Medical Research</i> , 2020 , 51, 728-730	6.6	38
144	CRISPR-Cas9: A Preclinical and Clinical Perspective for the Treatment of Human Diseases. <i>Molecular Therapy</i> , 2021 , 29, 571-586	11.7	37
143	Virtual screening of the inhibitors targeting at the viral protein 40 of Ebola virus. <i>Infectious Diseases of Poverty</i> , 2016 , 5, 12	10.4	36
142	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	3.7	36

141	Future prospects of nanoparticles on brain targeted drug delivery. <i>Journal of Neuro-Oncology</i> , 2009 , 93, 285-6	4.8	36
140	RNA interference: potential therapeutic targets. <i>Applied Microbiology and Biotechnology</i> , 2004 , 65, 649-57	5.7	36
139	Immunoinformatics approach to understand molecular interaction between multi-epitopic regions of SARS-CoV-2 spike-protein with TLR4/MD-2 complex. <i>Infection, Genetics and Evolution</i> , 2020 , 85, 104587	4.5	36
138	miRNA-Regulated Key Components of Cytokine Signaling Pathways and Inflammation in Rheumatoid Arthritis. <i>Medicinal Research Reviews</i> , 2016 , 36, 425-39	14.4	36
137	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, 265-75	3.4	35
136	DNA barcoding to map the microbial communities: current advances and future directions. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3425-36	5.7	34
135	The Interplay among miRNAs, Major Cytokines, and Cancer-Related Inflammation. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 20, 606-620	10.7	33
134	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	4.9	32
133	Potentiality of small interfering RNAs (siRNA) as recent therapeutic targets for gene-silencing. <i>Current Drug Targets</i> , 2007 , 8, 469-82	3	32
132	Integrating in silico 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, 895831	3	29
131	Next generation delivery system for proteins and genes of therapeutic purpose: why and how?. <i>BioMed Research International</i> , 2014 , 2014, 327950	3	29
130	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, 739-50	2.4	29
129	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	3.7	28
128	Anticancer drugs discovery and development from marine organism. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 1536-45	3	28
127	PLK-1: Angel or devil for cell cycle progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016 , 1865, 190-203	11.2	26
126	COMMENTARY Omicron (B.1.1.529) variant of SARS-CoV-2- Concerns, challenges and recent updates.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	26
125	Deciphering the impact of somatic mutations in exon 20 and exon 9 of PIK3CA gene in breast tumors among Indian women through molecular dynamics approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 29-41	3.6	25
124	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017 , 254, 17-31	3.4	25

123	Present variants of concern and variants of interest of severe acute respiratory syndrome coronavirus 2: Their significant mutations in S-glycoprotein, infectivity, re-infectivity, immune escape and vaccines activity. <i>Reviews in Medical Virology</i> , e2270	11.7	23
122	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. <i>Frontiers in Immunology</i> , 2021 , 12, 679344	8.4	23
121	A novel zebrafish model to provide mechanistic insights into the inflammatory events in carrageenan-induced abdominal edema. <i>PLoS ONE</i> , 2014 , 9, e104414	3.7	22
120	Exploring the evolutionary relationship of insulin receptor substrate family using computational biology. <i>PLoS ONE</i> , 2011 , 6, e16580	3.7	22
119	Nanoparticles as 'smart' pharmaceutical delivery. <i>Frontiers in Bioscience - Landmark</i> , 2013 , 18, 1030-50	2.8	22
118	India's cost-effective COVID-19 vaccine development initiatives. <i>Vaccine</i> , 2020 , 38, 7883-7884	4.1	21
117	Mechanism of artemisinin resistance for malaria PfATP6 L263 mutations and discovering potential antimalarials: An integrated computational approach. <i>Scientific Reports</i> , 2016 , 6, 30106	4.9	21
116	DNA barcoding to fishes: current status and future directions. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2744-52	1.3	21
115	Therapeutic microRNA Delivery Strategies with Special Emphasis on Cancer Therapy and Tumorigenesis: Current Trends and Future Challenges. <i>Current Drug Metabolism</i> , 2016 , 17, 469-77	3.5	21
114	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. <i>MBio</i> , 2021 , 12, e0114021	7.8	21
113	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	5.3	19
112	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	3.7	19
111	Environment: Control electronic waste in India. <i>Nature</i> , 2012 , 485, 309	50.4	18
110	Prion disease: a deadly disease for protein misfolding. <i>Current Pharmaceutical Biotechnology</i> , 2005 , 6, 167-77	2.6	18
109	The current second wave and COVID-19 vaccination status in India. <i>Brain, Behavior, and Immunity</i> , 2021 , 96, 1-4	16.6	18
108	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	5.4	17
107	Recent advances of fluorescent technologies for drug discovery and development. <i>Current Pharmaceutical Design</i> , 2009 , 15, 3552-70	3.3	17
106	Recent trends of polymer mediated liposomal gene delivery system. <i>BioMed Research International</i> , 2014 , 2014, 934605	3	15

105	Sirtuins family--recent development as a drug target for aging, metabolism, and age related diseases. <i>Current Drug Targets</i> , 2013 , 14, 666-75	3	15
104	A special report on India's biotech scenario: advancement in biopharmaceutical and health care sectors. <i>Biotechnology Advances</i> , 2010 , 28, 1-6	17.8	14
103	Zebrafish caspase-3: molecular cloning, characterization, crystallization and phylogenetic analysis. <i>Protein and Peptide Letters</i> , 2006 , 13, 633-40	1.9	14
102	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 ^{5.6}	5.6	13
101	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, 561-71	2.8	13
100	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, 907-22	3.2	12
99	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	2	12
98	A Novel Multi-Epitopic Peptide Vaccine Candidate Against : In-Silico Identification, Design, Cloning and Validation Through Molecular Dynamics. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 1-18	2.1	12
97	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. <i>Immune Network</i> , 2021 , 21, e5	6.1	12
96	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations.. <i>Frontiers in Immunology</i> , 2022 , 13, 801522	8.4	11
95	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	3.2	11
94	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	5.3	10
93	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	5.7	10
92	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	6.6	10
91	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, 225-238	3.8	10
90	Computational analysis of C-reactive protein for assessment of molecular dynamics and interaction properties. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 645-56	3.2	9
89	Novel biomarker for prostate cancer diagnosis by MRS. <i>Frontiers in Bioscience - Landmark</i> , 2014 , 19, 1186-201	201	9
88	A hypothetical relationship between the nuclear reprogramming factors for induced pluripotent stem (iPS) cells generation--bioinformatic and algorithmic approach. <i>Medical Hypotheses</i> , 2011 , 76, 507-11 ^{3.8}	3.8	9

87	Overexpression, purification and characterization of recombinant salmon calcitonin, a therapeutic protein, in <i>Streptomyces avermitilis</i> . <i>Protein and Peptide Letters</i> , 2004 , 11, 165-73	1.9	9
86	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	5.3	9
85	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	4.5	9
84	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	3.2	8
83	Predicting the impact of deleterious mutations in the protein kinase domain of FGFR2 in the context of function, structure, and pathogenesis--a bioinformatics approach. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1853-70	3.2	8
82	Can computational biology improve the phylogenetic analysis of insulin?. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 860-72	6.9	8
81	Conserved domains, conserved residues, and surface cavities of C-reactive protein (CRP). <i>Applied Biochemistry and Biotechnology</i> , 2011 , 165, 497-505	3.2	8
80	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, 2173-2195		8
79	Crucial protein based drug targets and potential inhibitors for osteoporosis: new hope and possibilities. <i>Current Drug Targets</i> , 2013 , 14, 1707-13	3	8
78	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2. <i>Infection, Genetics and Evolution</i> , 2021 , 93, 104951	4.5	8
77	The Smart Programmable CRISPR Technology: A Next Generation Genome Editing Tool for Investigators. <i>Current Drug Targets</i> , 2017 , 18, 1653-1663	3	7
76	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. <i>Oncotarget</i> , 2017 , 8, 37942-37962		
75	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> , 2021 , 62, 64-73	5.1	7
74	Asian-Origin Approved COVID-19 Vaccines and Current Status of COVID-19 Vaccination Program in Asia: A Critical Analysis. <i>Vaccines</i> , 2021 , 9,	5.3	7
73	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 ,	8.9	7
72	Understanding the molecular interaction of human argonaute-2 and miR-20a complex: A molecular dynamics approach. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 19915-19924	4.7	6
71	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, 3517-27	2	6
70	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, 974316	3	6

69	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently 2021 , 12, 688-690	6
68	Why zebrafish?. <i>Theoretical Biology Forum</i> , 2010 , 103, 25-7	0.1 6
67	Can the chemotherapeutic agents perform anticancer activity through miRNA expression regulation? Proposing a new hypothesis [corrected]. <i>Protoplasma</i> , 2015 , 252, 1603-10	3.4 5
66	Single-cell sequencing of miRNAs: A modified technology. <i>Cell Biology International</i> , 2020 , 44, 1773-1780	4.5 5
65	DNA pattern recognition using canonical correlation algorithm. <i>Journal of Biosciences</i> , 2015 , 40, 709-19	2.3 5
64	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, 845-60	3.2 5
63	Topology mapping of insulin-regulated glucose transporter GLUT4 using computational biology. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 1261-74	3.2 5
62	Potentialities of induced pluripotent stem (iPS) cells for treatment of diseases. <i>Current Molecular Medicine</i> , 2010 , 10, 756-62	2.5 5
61	Caspase-3 induced apoptosis in transgenic zebrafish. <i>Biotechnology Letters</i> , 2006 , 28, 189-96	3 5
60	Formulation and Application of Biodegradable Nanoparticles Based Biopharmaceutical Delivery - An Efficient Delivery System. <i>Current Pharmaceutical Design</i> , 2016 , 22, 3020-33	3.3 5
59	Response to: Status of Remdesivir: Not Yet Beyond Question!. <i>Archives of Medical Research</i> , 2021 , 52, 104-106	6.6 5
58	ATP-dependent fructose uptake system in <i>Deinococcus radiodurans</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 1241-8	5.7 4
57	Stem cells in the light of evolution. <i>Indian Journal of Medical Research</i> , 2012 , 135, 813-9	2.9 4
56	Fibroblast-Like-Synoviocytes Mediate Secretion of Pro-Inflammatory Cytokines via ERK and JNK MAPKs in Ti-Particle-Induced Osteolysis. <i>Materials</i> , 2020 , 13,	3.5 4
55	The recombinant variants of SARS-CoV-2: concerns continues amid COVID-19 pandemic.. <i>Journal of Medical Virology</i> , 2022 ,	19.7 4
54	Diabetes and COVID-19: a major challenge in pandemic period?. <i>European Review for Medical and Pharmacological Sciences</i> , 2020 , 24, 11409-11420	2.9 4
53	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	2.9 4
52	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. <i>Genes and Genomics</i> , 2019 , 41, 1113-1125	2.1 3

51	Profiling of phosphatidylinositol 3-kinase (PI3K) proteins in insulin signaling pathway. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 3431-46	3.2	3
50	India's coastal zone management with an emphasis on rapidly developing Gujarat State. <i>Journal of Coastal Conservation</i> , 2014 , 18, 683-690	1.9	3
49	India's stem cell research and development perspectives. <i>International Journal of Hematology</i> , 2009 , 89, 406-408	2.3	3
48	Human insulin genome sequence map, biochemical structure of insulin for recombinant DNA insulin. <i>Mini-Reviews in Medicinal Chemistry</i> , 2003 , 3, 375-85	3.2	3
47	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 , 1	3	3
46	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		3
45	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	8.4	3
44	Network analysis of transcription factors for nuclear reprogramming into induced pluripotent stem cell using bioinformatics. <i>Cell Journal</i> , 2014 , 15, 332-9	2.4	3
43	Ebola virus disease: Recent advances in diagnostics and therapeutics. <i>Asian Pacific Journal of Tropical Medicine</i> , 2019 , 12, 385	2.1	3
42	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 933-936	10.7	3
41	Lessons Learned from Cutting-Edge Immunoinformatics on Next-Generation COVID-19 Vaccine Research. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 1-9	2.1	3
40	Anesthetic Molecule Interaction of Noble Gases with Proteins and Lipids and their Effect: A Review. <i>Current Drug Delivery</i> , 2018 , 15, 1381-1392	3.2	3
39	Recent research progress on circular RNAs: Biogenesis, properties, functions, and therapeutic potential. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 25, 355-371	10.7	3
38	COVID-19 vaccine: Challenges in developing countries and India's initiatives. <i>Infezioni in Medicina</i> , 2021 , 29, 165-166	3.6	3
37	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 , 106670	7.5	3
36	India's budget reduction and AIDS initiatives. <i>Lancet Infectious Diseases</i> , 2015 , 15, 636	25.5	2
35	Exploring the Genomic Roadmap and Molecular Phylogenetics Associated with MODY Cascades Using Computational Biology. <i>Cell Biochemistry and Biophysics</i> , 2015 , 71, 1491-502	3.2	2
34	India's Computational Biology Growth and Challenges. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2016 , 8, 263-76	3.5	2

33	Mapping the structural topology of IRS family cascades through computational biology. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 1319-31	3.2	2
32	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	4.7	2
31	TN strain proteome mediated therapeutic target mapping and multi-epitopic peptide-based vaccine development for Mycobacterium leprae.. <i>Infection, Genetics and Evolution</i> , 2022 , 99, 105245	4.5	2
30	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	4.9	2
29	Strategies for transdermal drug delivery against bone disorders: A preclinical and clinical update. <i>Journal of Controlled Release</i> , 2021 , 336, 375-395	11.7	2
28	Therapeutics development for Ebola virus disease: A recent scenario. <i>Current Opinion in Pharmacology</i> , 2021 , 60, 208-215	5.1	2
27	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	5.8	2
26	Rising Strengths Hong Kong SAR in Bioinformatics. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017 , 9, 224-236	3.5	1
25	Interaction between miRNAs and signaling cascades of Wnt pathway in chronic lymphocytic leukemia. <i>Journal of Cellular Biochemistry</i> , 2020 , 121, 4654-4666	4.7	1
24	The Molecular Concept of Atheromatous Plaques. <i>Current Drug Targets</i> , 2017 , 18, 1250-1258	3	1
23	Does computational biology help us to understand the molecular phylogenetics and evolution of cluster of differentiation (CD) proteins?. <i>Protein Journal</i> , 2013 , 32, 143-54	3.9	1
22	Targeting Catechol-O-Methyl Transferase (COMT) Inhibitors for Schizophrenia:An Approach to Target Validation and Rational Drug Design. <i>Letters in Drug Design and Discovery</i> , 2011 , 8, 246-252	0.8	1
21	Overexpression and purification of recombinant eel calcitonin and its phylogenetic analysis. <i>Protein and Peptide Letters</i> , 2005 , 12, 263-9	1.9	1
20	Micro-Environmental Signature of The Interactions between Druggable Target Protein, Dipeptidyl Peptidase-IV, and Anti-Diabetic Drugs. <i>Cell Journal</i> , 2017 , 19, 65-83	2.4	1
19	Drug Metabolizing Enzymes in Type II Diabetes and their Pharmacogenetics During Therapy of Anti-Diabetes Drugs. <i>Current Drug Metabolism</i> , 2015 , 16, 864-76	3.5	1
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