Chiranjib Chakraborty

List of Publications by Year in Descending Order

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	Bioengineering of Novel Non-Replicating mRNA (NRM) and Self-Amplifying mRNA (SAM) Vaccine Candidates Against SARS-CoV-2 Using Immunoinformatics Approach.. *Molecular Biotechnology*, **2022**, 1	3	3
175	COMMENTARYOmicron (B.1.1.529) variant of SARS-CoV-2- Concerns, challenges and recent updates.. *Journal of Medical Virology*, **2022**,	19.7	26
174	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	8.4	11
173	TN strain proteome mediated therapeutic target mapping and multi-epitopic peptide-based vaccine development for Mycobacterium leprae.. *Infection, Genetics and Evolution*, **2022**, 99, 105245	4.5	2
172	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
171	Evaluation and Designing of Epitopic-Peptide Vaccine Against Using M-Polyprotein Target Sequences. *International Journal of Peptide Research and Therapeutics*, **2022**, 28, 5	2.1	
170	Omicron variant (B.1.1.529) of SARS-CoV-2: understanding mutations in the genome, S-glycoprotein, and antibody-binding regions.. *GeroScience*, **2022**,	8.9	7
169	Hybrid immunity against COVID-19 in different countries with a special emphasis on the Indian scenario during the Omicron period.. *International Immunopharmacology*, **2022**, 108, 108766	5.8	2
168	The recombinant variants of SARS-CoV-2: concerns continues amid COVID-19 pandemic.. *Journal of Medical Virology*, **2022**,	19.7	4
167	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.. *Infection, Genetics and Evolution*, **2022**, 105282	4.5	1
166	Recombinant SARS-CoV-2 variants XD, XE, and XF: The emergence of recombinant variants requires an urgent call for research - Correspondence.. *International Journal of Surgery*, **2022**, 106670	7.5	3
165	Emerging cases of acute hepatitis of unknown origin in children amid the ongoing COVID-19 pandemic: Needs attention Correspondence. *International Journal of Surgery*, **2022**, 102, 106682	7.5	0
164	Challenges of Long Non Coding RNAs in Human Disease Diagnosis and Therapies: Bio-Computational Approaches. *Studies in Big Data*, **2022**, 121-131	0.9	
163	Understanding Gene Expression and Transcriptome Profiling of COVID-19: An Initiative Towards the Mapping of Protective Immunity Genes Against SARS-CoV-2 Infection.. *Frontiers in Immunology*, **2021**, 12, 724936	8.4	3
162	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
161	D614G mutation and SARS-CoV-2: impact on S-protein structure, function, infectivity, and immunity. *Applied Microbiology and Biotechnology*, **2021**, 105, 9035-9045	5.7	10
160	The Drug Repurposing for COVID-19 Clinical Trials Provide Very Effective Therapeutic Combinations: Lessons Learned From Major Clinical Studies. *Frontiers in Pharmacology*, **2021**, 12, 704205	5.6	13

159	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance.. *Current Opinion in Pharmacology*, **2021**, 62, 64-73	5.1	7
158	Understanding the molecular evolution of tiger diversity through DNA barcoding marker ND4 and NADH dehydrogenase complex using computational biology. *Genes and Genomics*, **2021**, 43, 759-773	2.1	0
157	SARS-CoV-2 and other human coronaviruses: Mapping of protease recognition sites, antigenic variation of spike protein and their grouping through molecular phylogenetics. *Infection, Genetics and Evolution*, **2021**, 89, 104729	4.5	1
156	Immunoinformatics Approach for the Identification and Characterization of T Cell and B Cell Epitopes towards the Peptide-Based Vaccine against SARS-CoV-2. *Archives of Medical Research*, **2021**, 52, 362-370	6.6	10
155	SARS-CoV-2 Brazil variants in Latin America: More serious research urgently needed on public health and vaccine protection. *Annals of Medicine and Surgery*, **2021**, 66, 102428	2	12
154	Asian-Origin Approved COVID-19 Vaccines and Current Status of COVID-19 Vaccination Program in Asia: A Critical Analysis. *Vaccines*, **2021**, 9,	5.3	7
153	Determination of k-mer density in a DNA sequence and subsequent cluster formation algorithm based on the application of electronic filter. *Scientific Reports*, **2021**, 11, 13701	4.9	2
152	Lessons Learned from Cutting-Edge Immunoinformatics on Next-Generation COVID-19 Vaccine Research. *International Journal of Peptide Research and Therapeutics*, **2021**, 27, 1-9	2.1	3
151	Therapeutic advances of miRNAs: A preclinical and clinical update. *Journal of Advanced Research*, **2021**, 28, 127-138	13	86
150	Response to: Status of Remdesivir: Not Yet Beyond Question!. *Archives of Medical Research*, **2021**, 52, 104-106	6.6	5
149	A Novel Multi-Epitopic Peptide Vaccine Candidate Against : In-Silico Identification, Design, Cloning and Validation Through Molecular Dynamics. *International Journal of Peptide Research and Therapeutics*, **2021**, 27, 1-18	2.1	12
148	SARS-CoV-2 protein drug targets landscape: a potential pharmacological insight view for the new drug development. *Expert Review of Clinical Pharmacology*, **2021**, 14, 225-238	3.8	10
147	CRISPR-Cas9: A Preclinical and Clinical Perspective for the Treatment of Human Diseases. *Molecular Therapy*, **2021**, 29, 571-586	11.7	37
146	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. *Frontiers in Immunology*, **2021**, 12, 679344	8.4	23
145	Strategies for transdermal drug delivery against bone disorders: A preclinical and clinical update. *Journal of Controlled Release*, **2021**, 336, 375-395	11.7	2
144	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. *MBio*, **2021**, 12, e0114021	7.8	21
143	The current second wave and COVID-19 vaccination status in India. *Brain, Behavior, and Immunity*, **2021**, 96, 1-4	16.6	18
142	Recent research progress on circular RNAs: Biogenesis, properties, functions, and therapeutic potential. *Molecular Therapy - Nucleic Acids*, **2021**, 25, 355-371	10.7	3

141	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2. *Infection, Genetics and Evolution*, **2021**, 93, 104951	4.5	8
140	Therapeutics development for Ebola virus disease: A recent scenario. *Current Opinion in Pharmacology*, **2021**, 60, 208-215	5.1	2
139	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently **2021**, 12, 688-690		6
138	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. *Immune Network*, **2021**, 21, e5	6.1	12
137	COVID-19 vaccine: Challenges in developing countries and India's initiatives. *Infezioni in Medicina*, **2021**, 29, 165-166	3.6	3
136	Evaluation of molecular interaction, physicochemical parameters and conserved pattern of SARS-CoV-2 Spike RBD and hACE2: in silico and molecular dynamics approach. *European Review for Medical and Pharmacological Sciences*, **2021**, 25, 1708-1723	2.9	4
135	India's cost-effective COVID-19 vaccine development initiatives. *Vaccine*, **2020**, 38, 7883-7884	4.1	21
134	Single-cell sequencing of miRNAs: A modified technology. *Cell Biology International*, **2020**, 44, 1773-1780	4.5	5
133	Consider TLR5 for new therapeutic development against COVID-19. *Journal of Medical Virology*, **2020**, 92, 2314-2315	19.7	40
132	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. *Archives of Medical Research*, **2020**, 51, 728-730	6.6	38
131	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	19.7	47
130	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. *Archives of Medical Research*, **2020**, 51, 595-597	6.6	60
129	Insight into Evolution and Conservation Patterns of B1-Subfamily Members of GPCR. *International Journal of Peptide Research and Therapeutics*, **2020**, 26, 1-13	2.1	0
128	Interaction between miRNAs and signaling cascades of Wnt pathway in chronic lymphocytic leukemia. *Journal of Cellular Biochemistry*, **2020**, 121, 4654-4666	4.7	1
127	Development of epitope-based peptide vaccine against novel coronavirus 2019 (SARS-COV-2): Immunoinformatics approach. *Journal of Medical Virology*, **2020**, 92, 618-631	19.7	237
126	Comparative Analysis and Molecular Evolution of Class I PI3K Regulatory Subunit p85 Reveal the Structural Similarity Between nSH2 and cSH2 Domains. *International Journal of Peptide Research and Therapeutics*, **2020**, 26, 2555-2569	2.1	
125	Identification and Design of a Next-Generation Multi Epitopes Bases Peptide Vaccine Candidate Against Prostate Cancer: An In Silico Approach. *Cell Biochemistry and Biophysics*, **2020**, 78, 495-509	3.2	8
124	SARS-CoV-2 causing pneumonia-associated respiratory disorder (COVID-19): diagnostic and proposed therapeutic options. *European Review for Medical and Pharmacological Sciences*, **2020**, 24, 4016-4026	2.8	130

123	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. *Asian Pacific Journal of Tropical Medicine*, **2020**, 13, 242	2.1	52
122	Application of Internet Assistance Computation for Disease Prediction and Bio-modeling: Modern Trends in Medical Science. *Intelligent Systems Reference Library*, **2020**, 327-346	0.8	1
121	Probable Molecular Mechanism of Remdesivir for the Treatment of COVID-19: Need to Know More. *Archives of Medical Research*, **2020**, 51, 585-586	6.6	85
120	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. *Molecular Therapy - Nucleic Acids*, **2020**, 19, 933-936	10.7	3
119	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	4.5	36
118	A SARS-CoV-2 vaccine candidate: cloning and validation. *Informatics in Medicine Unlocked*, **2020**, 20, 100394	3.5	40
117	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. *Frontiers in Pharmacology*, **2020**, 11, 1258	5.6	61
116	Fibroblast-Like-Synoviocytes Mediate Secretion of Pro-Inflammatory Cytokines via ERK and JNK MAPKs in Ti-Particle-Induced Osteolysis. *Materials*, **2020**, 13,	3.5	4
115	The Interplay among miRNAs, Major Cytokines, and Cancer-Related Inflammation. *Molecular Therapy - Nucleic Acids*, **2020**, 20, 606-620	10.7	33
114	Computer aided novel antigenic epitopes selection from the outer membrane protein sequences of Aeromonas hydrophila and its analyses. *Infection, Genetics and Evolution*, **2020**, 82, 104320	4.5	9
113	Diabetes and COVID-19: a major challenge in pandemic period?. *European Review for Medical and Pharmacological Sciences*, **2020**, 24, 11409-11420	2.9	4
112	Advances in nanocarriers enabled brain targeted drug delivery across blood brain barrier. *International Journal of Pharmaceutics*, **2019**, 559, 360-372	6.5	83
111	Understanding the molecular interaction of human argonaute-2 and miR-20a complex: A molecular dynamics approach. *Journal of Cellular Biochemistry*, **2019**, 120, 19915-19924	4.7	6
110	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. *Genes and Genomics*, **2019**, 41, 1113-1125	2.1	3
109	Ebola virus disease: Recent advancs in diagnostics and therapeutics. *Asian Pacific Journal of Tropical Medicine*, **2019**, 12, 385	2.1	3
108	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). *Advances in Protein Chemistry and Structural Biology*, **2019**, 114, 341-407	5.3	9
107	The novel strategies for next-generation cancer treatment: miRNA combined with chemotherapeutic agents for the treatment of cancer. *Oncotarget*, **2018**, 9, 10164-10174	3.3	53
106	Anesthetic Molecule Interaction of Noble Gases with Proteins and Lipids and their Effect: A Review. *Current Drug Delivery*, **2018**, 15, 1381-1392	3.2	3

105	Rising Strengths Hong Kong SAR in Bioinformatics. *Interdisciplinary Sciences, Computational Life Sciences*, **2017**, 9, 224-236	3.5	1
104	The crucial role and regulations of miRNAs in zebrafish development. *Protoplasma*, **2017**, 254, 17-31	3.4	25
103	Influence of V54M mutation in giant muscle protein titin: a computational screening and molecular dynamics approach. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 917-928	3.6	41
102	Suppression of osteogenic activity by regulation of WNT and BMP signaling during titanium particle induced osteolysis. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 912-926	5.4	17
101	Therapeutic miRNA and siRNA: Moving from Bench to Clinic as Next Generation Medicine. *Molecular Therapy - Nucleic Acids*, **2017**, 8, 132-143	10.7	464
100	The Smart Programmable CRISPR Technology: A Next Generation Genome Editing Tool for Investigators. *Current Drug Targets*, **2017**, 18, 1653-1663	3	7
99	The Molecular Concept of Atheromatous Plaques. *Current Drug Targets*, **2017**, 18, 1250-1258	3	1
98	Review of Prospects of Biological Fluid Biomarkers in Osteoarthritis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	68
97	Regulatory functional territory of PLK-1 and their substrates beyond mitosis. *Oncotarget*, **2017**, 8, 37942-37962	5.9	7
96	Micro-Environmental Signature of The Interactions between Druggable Target Protein, Dipeptidyl Peptidase-IV, and Anti-Diabetic Drugs. *Cell Journal*, **2017**, 19, 65-83	2.4	1
95	miRNAs in Alzheimer Disease - A Therapeutic Perspective. *Current Alzheimer Research*, **2017**, 14, 1198-1206	3	51
94	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. *Journal of Biomolecular Structure and Dynamics*, **2016**, 34, 29-41	3.6	25
93	India's Computational Biology Growth and Challenges. *Interdisciplinary Sciences, Computational Life Sciences*, **2016**, 8, 263-76	3.5	2
92	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. *Journal of Nanobiotechnology*, **2016**, 14, 65	9.4	174
91	Mechanism of artemisinin resistance for malaria PfATP6 L263 mutations and discovering potential antimalarials: An integrated computational approach. *Scientific Reports*, **2016**, 6, 30106	4.9	21
90	DNA barcoding to fishes: current status and future directions. *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, **2016**, 27, 2744-52	1.3	21
89	Virtual screening of the inhibitors targeting at the viral protein 40 of Ebola virus. *Infectious Diseases of Poverty*, **2016**, 5, 12	10.4	36
88	Profiling cell-free and circulating miRNA: a clinical diagnostic tool for different cancers. *Tumor Biology*, **2016**, 37, 5705-14	2.9	47

87	PLK-1: Angel or devil for cell cycle progression. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2016**, 1865, 190-203	11.2	26
86	Formulation and Application of Biodegradable Nanoparticles Based Biopharmaceutical Delivery - An Efficient Delivery System. *Current Pharmaceutical Design*, **2016**, 22, 3020-33	3.3	5
85	Therapeutic microRNA Delivery Strategies with Special Emphasis on Cancer Therapy and Tumorigenesis: Current Trends and Future Challenges. *Current Drug Metabolism*, **2016**, 17, 469-77	3.5	21
84	Dynamics of Diabetes and Obesity: An Alarming Situation in the Developing Countries in Asia. *Mini-Reviews in Medicinal Chemistry*, **2016**, 16, 1258-1268	3.2	11
83	Application of Bioactive Quercetin in Oncotherapy: From Nutrition to Nanomedicine. *Molecules*, **2016**, 21, E108	4.8	90
82	miRNA-Regulated Key Components of Cytokine Signaling Pathways and Inflammation in Rheumatoid Arthritis. *Medicinal Research Reviews*, **2016**, 36, 425-39	14.4	36
81	miRNA-regulated cancer stem cells: understanding the property and the role of miRNA in carcinogenesis. *Tumor Biology*, **2016**, 37, 13039-13048	2.9	52
80	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. *Oncotarget*, **2016**, 7, 42683-42697	3.3	45
79	Can the chemotherapeutic agents perform anticancer activity through miRNA expression regulation? Proposing a new hypothesis [corrected]. *Protoplasma*, **2015**, 252, 1603-10	3.4	5
78	India's budget reduction and AIDS initiatives. *Lancet Infectious Diseases, The*, **2015**, 15, 636	25.5	2
77	Exploring the Genomic Roadmap and Molecular Phylogenetics Associated with MODY Cascades Using Computational Biology. *Cell Biochemistry and Biophysics*, **2015**, 71, 1491-502	3.2	2
76	Methoxy poly(ethylene glycol)-poly(lactide) nanoparticles encapsulating quercetin act as an effective anticancer agent by inducing apoptosis in breast cancer. *Pharmaceutical Research*, **2015**, 32, 723-35	4.5	42
75	Analysing the Effect of Mutation on Protein Function and Discovering Potential Inhibitors of CDK4: Molecular Modelling and Dynamics Studies. *PLoS ONE*, **2015**, 10, e0133969	3.7	36
74	DNA pattern recognition using canonical correlation algorithm. *Journal of Biosciences*, **2015**, 40, 709-19	2.3	5
73	Nanoparticle based insulin delivery system: the next generation efficient therapy for Type 1 diabetes. *Journal of Nanobiotechnology*, **2015**, 13, 74	9.4	102
72	Profiling of phosphatidylinositol 3-kinase (PI3K) proteins in insulin signaling pathway. *Applied Biochemistry and Biotechnology*, **2015**, 175, 3431-46	3.2	3
71	Drug Metabolizing Enzymes in Type II Diabetes and their Pharmacogenetics During Therapy of Anti-Diabetes Drugs. *Current Drug Metabolism*, **2015**, 16, 864-76	3.5	1
70	Structural signature of the G719S-T790M double mutation in the EGFR kinase domain and its response to inhibitors. *Scientific Reports*, **2014**, 4, 5868	4.9	32

69	Computational approaches and resources in single amino acid substitutions analysis toward clinical research. *Advances in Protein Chemistry and Structural Biology*, **2014**, 94, 365-423	5.3	19
68	DNA barcoding to map the microbial communities: current advances and future directions. *Applied Microbiology and Biotechnology*, **2014**, 98, 3425-36	5.7	34
67	Understanding the conservation patterns and molecular phylogenetics of human death receptors family through computational biology. *3 Biotech*, **2014**, 4, 177-187	2.8	
66	Application of evolutionary based in silico methods to predict the impact of single amino acid substitutions in vitelliform macular dystrophy. *Advances in Protein Chemistry and Structural Biology*, **2014**, 94, 177-267	5.3	10
65	Understanding the molecular dynamics of type-2 diabetes drug target DPP-4 and its interaction with Sitagliptin and inhibitor Diprotin-A. *Cell Biochemistry and Biophysics*, **2014**, 70, 907-22	3.2	12
64	Influence of miRNA in insulin signaling pathway and insulin resistance: micro-molecules with a major role in type-2 diabetes. *Wiley Interdisciplinary Reviews RNA*, **2014**, 5, 697-712	9.3	142
63	A novel zebrafish model to provide mechanistic insights into the inflammatory events in carrageenan-induced abdominal edema. *PLoS ONE*, **2014**, 9, e104414	3.7	22
62	TNF/TNFR: drug target for autoimmune diseases and immune-mediated inflammatory diseases. *Frontiers in Bioscience - Landmark*, **2014**, 19, 1028-40	2.8	42
61	Novel biomarker for prostate cancer diagnosis by MRS. *Frontiers in Bioscience - Landmark*, **2014**, 19, 1186-201	2.8	9
60	Ebola eradication may need wider partnership. *Cmaj*, **2014**, 186, 1170	3.5	0
59	Effect of Wnt3a on keratinocytes utilizing in vitro and bioinformatics analysis. *International Journal of Molecular Sciences*, **2014**, 15, 5472-95	6.3	0
58	Integrating in silico prediction methods, molecular docking, and molecular dynamics simulation to predict the impact of ALK missense mutations in structural perspective. *BioMed Research International*, **2014**, 2014, 895831	3	29
57	Computational biophysical, biochemical, and evolutionary signature of human R-spondin family proteins, the member of canonical Wnt/β-catenin signaling pathway. *BioMed Research International*, **2014**, 2014, 974316	3	6
56	Next generation delivery system for proteins and genes of therapeutic purpose: why and how?. *BioMed Research International*, **2014**, 2014, 327950	3	29
55	Evolution- and structure-based computational strategy reveals the impact of deleterious missense mutations on MODY 2 (maturity-onset diabetes of the young, type 2). *Theranostics*, **2014**, 4, 366-85	12.1	39
54	Recent trends of polymer mediated liposomal gene delivery system. *BioMed Research International*, **2014**, 2014, 934605	3	15
53	India's coastal zone management with an emphasis on rapidly developing Gujarat State. *Journal of Coastal Conservation*, **2014**, 18, 683-690	1.9	3
52	Network analysis of transcription factors for nuclear reprogramming into induced pluripotent stem cell using bioinformatics. *Cell Journal*, **2014**, 15, 332-9	2.4	3

51	Evaluating protein-protein interaction (PPI) networks for diseases pathway, target discovery, and drug-design using 'in silico pharmacology'. *Current Protein and Peptide Science*, **2014**, 15, 561-71	2.8	13
50	Does computational biology help us to understand the molecular phylogenetics and evolution of cluster of differentiation (CD) proteins?. *Protein Journal*, **2013**, 32, 143-54	3.9	1
49	Predicting the impact of deleterious mutations in the protein kinase domain of FGFR2 in the context of function, structure, and pathogenesis--a bioinformatics approach. *Applied Biochemistry and Biotechnology*, **2013**, 170, 1853-70	3.2	8
48	Mapping the structural topology of IRS family cascades through computational biology. *Cell Biochemistry and Biophysics*, **2013**, 67, 1319-31	3.2	2
47	Extrapolating the effect of deleterious nsSNPs in the binding adaptability of flavopiridol with CDK7 protein: a molecular dynamics approach. *Human Genomics*, **2013**, 7, 10	6.8	40
46	In silico discrimination of nsSNPs in hTERT gene by means of local DNA sequence context and regularity. *Journal of Molecular Modeling*, **2013**, 19, 3517-27	2	6
45	Computational analysis of C-reactive protein for assessment of molecular dynamics and interaction properties. *Cell Biochemistry and Biophysics*, **2013**, 67, 645-56	3.2	9
44	Topology mapping of insulin-regulated glucose transporter GLUT4 using computational biology. *Cell Biochemistry and Biophysics*, **2013**, 67, 1261-74	3.2	5
43	Sirtuins family--recent development as a drug target for aging, metabolism, and age related diseases. *Current Drug Targets*, **2013**, 14, 666-75	3	15
42	Crucial protein based drug targets and potential inhibitors for osteoporosis: new hope and possibilities. *Current Drug Targets*, **2013**, 14, 1707-13	3	8
41	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, 1110-7	3	58
40	Nanoparticles as 'smart' pharmaceutical delivery. *Frontiers in Bioscience - Landmark*, **2013**, 18, 1030-50	2.8	22
39	ATP-dependent fructose uptake system in Deinococcus radiodurans. *Applied Microbiology and Biotechnology*, **2012**, 93, 1241-8	5.7	4
38	Neuroprotection by marine-derived compound, 11-dehydrosinulariolide, in an in vitro Parkinson's model: a promising candidate for the treatment of Parkinson's disease. *Naunyn-Schmiedebergjs Archives of Pharmacology*, **2012**, 385, 265-75	3.4	35
37	Can computational biology improve the phylogenetic analysis of insulin?. *Computer Methods and Programs in Biomedicine*, **2012**, 108, 860-72	6.9	8
36	Environment: Control electronic waste in India. *Nature*, **2012**, 485, 309	50.4	18
35	In silico analyses of COMT, an important signaling cascade of dopaminergic neurotransmission pathway, for drug development of Parkinson's disease. *Applied Biochemistry and Biotechnology*, **2012**, 167, 845-60	3.2	5
34	Conserved Domains, Residues, WebLogo and Active Sites of Caspase- Cascades Related to Apoptotic Signaling Pathway. *Current Bioinformatics*, **2012**, 7, 392-401	4.7	

33	Can Bioinformatic Methods Inform Us About the Molecular Evolution of Different Human Caspases?. *Current Bioinformatics*, **2012**, 7, 402-410	4.7	
32	Stem cells in the light of evolution. *Indian Journal of Medical Research*, **2012**, 135, 813-9	2.9	4
31	Information processing in network architecture of genome controlled signal transduction circuit. A proposed theoretical explanation. *Theoretical Biology Forum*, **2012**, 105, 67-75	0.1	
30	A hypothetical relationship between the nuclear reprogramming factors for induced pluripotent stem (iPS) cells generation--bioinformatic and algorithmic approach. *Medical Hypotheses*, **2011**, 76, 507-11	3.8	9
29	Intrathecal lemnalol, a natural marine compound obtained from Formosan soft coral, attenuates nociceptive responses and the activity of spinal glial cells in neuropathic rats. *Behavioural Pharmacology*, **2011**, 22, 739-50	2.4	29
28	Targeting Catechol-O-Methyl Transferase (COMT) Inhibitors for Schizophrenia:An Approach to Target Validation and Rational Drug Design. *Letters in Drug Design and Discovery*, **2011**, 8, 246-252	0.8	1
27	Effects of propofol on proliferation and anti-apoptosis of neuroblastoma SH-SY5Y cell line: new insights into neuroprotection. *Brain Research*, **2011**, 1384, 42-50	3.7	28
26	Conserved domains, conserved residues, and surface cavities of C-reactive protein (CRP). *Applied Biochemistry and Biotechnology*, **2011**, 165, 497-505	3.2	8
25	Landscape mapping of functional proteins in insulin signal transduction and insulin resistance: a network-based protein-protein interaction analysis. *PLoS ONE*, **2011**, 6, e16388	3.7	19
24	Exploring the evolutionary relationship of insulin receptor substrate family using computational biology. *PLoS ONE*, **2011**, 6, e16580	3.7	22
23	Potentialities of induced pluripotent stem (iPS) cells for treatment of diseases. *Current Molecular Medicine*, **2010**, 10, 756-62	2.5	5
22	Network Building of Proteins in a Biochemical Pathway: A Computational Biology Related Model for Target Discovery and Drug-Design. *Current Bioinformatics*, **2010**, 5, 290-295	4.7	2
21	A special report on India's biotech scenario: advancement in biopharmaceutical and health care sectors. *Biotechnology Advances*, **2010**, 28, 1-6	17.8	14
20	Why zebrafish?. *Theoretical Biology Forum*, **2010**, 103, 25-7	0.1	6
19	Zebrafish: a complete animal model for in vivo drug discovery and development. *Current Drug Metabolism*, **2009**, 10, 116-24	3.5	185
18	Future prospects of nanoparticles on brain targeted drug delivery. *Journal of Neuro-Oncology*, **2009** , 93, 285-6	4.8	36
17	India's stem cell research and development perspectives. *International Journal of Hematology*, **2009** , 89, 406-408	2.3	3
16	Recent advances of fluorescent technologies for drug discovery and development. *Current Pharmaceutical Design*, **2009**, 15, 3552-70	3.3	17

15	Anticancer drugs discovery and development from marine organism. *Current Topics in Medicinal Chemistry*, **2009**, 9, 1536-45	3	28
14	The zebrafish model: use in studying cellular mechanisms for a spectrum of clinical disease entities. *Current Neurovascular Research*, **2007**, 4, 111-20	1.8	64
13	Potentiality of small interfering RNAs (siRNA) as recent therapeutic targets for gene-silencing. *Current Drug Targets*, **2007**, 8, 469-82	3	32
12	Re: introduction to nanotechnology: potential applications in physical medicine and rehabilitation. *American Journal of Physical Medicine and Rehabilitation*, **2007**, 86, 1031-2; author reply 1032	2.6	
11	Zebrafish caspase-3: molecular cloning, characterization, crystallization and phylogenetic analysis. *Protein and Peptide Letters*, **2006**, 13, 633-40	1.9	14
10	Biochemical and molecular basis of insulin resistance. *Current Protein and Peptide Science*, **2006**, 7, 113-21	1.8	39
9	Caspase-3 induced apoptosis in transgenic zebrafish. *Biotechnology Letters*, **2006**, 28, 189-96	3	5
8	Overexpression and purification of recombinant eel calcitonin and its phylogenetic analysis. *Protein and Peptide Letters*, **2005**, 12, 263-9	1.9	1
7	Prion disease: a deadly disease for protein misfolding. *Current Pharmaceutical Biotechnology*, **2005**, 6, 167-77	2.6	18
6	RNA interference: potential therapeutic targets. *Applied Microbiology and Biotechnology*, **2004**, 65, 649-57	3.7	36
5	Overexpression, purification and characterization of recombinant salmon calcitonin, a therapeutic protein, in Streptomyces avermitilis. *Protein and Peptide Letters*, **2004**, 11, 165-73	1.9	9
4	Overexpression for commercial production of recombinant human insulin as A-chain and B-chain fusion protein in Escherichia coli through genetically engineered plasmids. *Indian Journal of Pathology and Microbiology*, **2004**, 47, 569-73	0.6	
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1	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. *Veterinary Quarterly*,1-11	8	0