Bairong Shen

List of Publications by Year
in descending order

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223 papers	5,086 citations	100601 38 h-index	156644 58 g-index
230 all docs	230 docs citations	230 times ranked	7158 citing authors

#	Article	IF	Citations
1	Natural products derived from medicinal plants and microbes might act as a game-changer in breast cancer: a comprehensive review of preclinical and clinical studies. Critical Reviews in Food Science and Nutrition, 2023, 63, 11880-11924.	5.4	8
2	NDDRF: A risk factor knowledgebase for personalized prevention of neurodegenerative diseases. Journal of Advanced Research, 2022, 40, 223-231.	4.4	7
3	Bergenin - A Biologically Active Scaffold: Nanotechnological Perspectives. Current Topics in Medicinal Chemistry, 2022, 22, 132-149.	1.0	17
4	Multivariate competing endogenous RNA network characterization for cancer microRNA biomarker discovery: a novel bioinformatics model with application to prostate cancer metastasis. Precision Clinical Medicine, 2022, 5, .	1.3	4
5	Both simulation and sequencing data reveal coinfections with multiple SARS-CoV-2 variants in the COVID-19 pandemic. Computational and Structural Biotechnology Journal, 2022, 20, 1389-1401.	1.9	7
6	Prostate cancer management with lifestyle intervention: From knowledge graph to Chatbot. Clinical and Translational Discovery, 2022, 2, .	0.2	7
7	Natural Kinase Inhibitors for the Treatment and Management of Endometrial/Uterine Cancer: Preclinical to Clinical Studies. Frontiers in Pharmacology, 2022, 13, 801733.	1.6	10
8	Whole-genome sequencing identifies rare missense variants of WNT16 and ERVW-1 causing the systemic lupus erythematosus. Genomics, 2022, 114, 110332.	1.3	9
9	A collective statement in support of saving pangolins. Science of the Total Environment, 2022, 824, 153666.	3.9	6
10	CRPMKB: a knowledge base of cancer risk prediction models for systematic comparison and personalized applications. Bioinformatics, 2022, 38, 1669-1676.	1.8	1
11	The Genus Alternanthera: Phytochemical and Ethnopharmacological Perspectives. Frontiers in Pharmacology, 2022, 13, 769111.	1.6	11
12	Challenging the Illusion: Health Equity Amidst New Variants. International Journal of Public Health, 2022, 67, 1604896.	1.0	3
13	Mechanisms of Mitochondrial Malfunction in Alzheimerâ€™s Disease: New Therapeutic Hope. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-28.	1.9	16
14	Databases, Knowledgebases, and Software Tools for Virus Informatics. Advances in Experimental Medicine and Biology, 2022, 1368, 1-19.	0.8	0
15	Detection and Prevention of Virus Infection. Advances in Experimental Medicine and Biology, 2022, 1368, 21-52.	0.8	0
16	Bioinformatics for the Origin and Evolution of Viruses. Advances in Experimental Medicine and Biology, 2022, 1368, 53-71.	0.8	2
17	In Silico Drug Discovery for Treatment of Virus Diseases. Advances in Experimental Medicine and Biology, 2022, 1368, 73-93.	0.8	1
18	Vaccines and Immunoinformatics for Vaccine Design. Advances in Experimental Medicine and Biology, 2022, 1368, 95-110.	0.8	3

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19	Predicting the Disease Severity of Virus Infection. Advances in Experimental Medicine and Biology, 2022, 1368, 111-139.	0.8	0
20	Modeling the Virus Infection at the Population Level. Advances in Experimental Medicine and Biology, 2022, 1368, 141-166.	0.8	1
21	Health-Based Geographic Information Systems for Mapping and Risk Modeling of Infectious Diseases and COVID-19 to Support Spatial Decision-Making. Advances in Experimental Medicine and Biology, 2022, 1368, 167-188.	0.8	4
22	5G, Big Data, and AI for Smart City and Prevention of Virus Infection. Advances in Experimental Medicine and Biology, 2022, 1368, 189-214.	0.8	0
23	Loss of CHGA Protein as a Potential Biomarker for Colon Cancer Diagnosis: A Study on Biomarker Discovery by Machine Learning and Confirmation by Immunohistochemistry in Colorectal Cancer Tissue Microarrays. Cancers, 2022, 14, 2664.	1.7	5
24	CD93 orchestrates the tumor microenvironment and predicts the molecular subtype and therapy response of bladder cancer. Computers in Biology and Medicine, 2022, 147, 105727.	3.9	10
25	PCLiON: An Ontology for Data Standardization and Sharing of Prostate Cancer Associated Lifestyles. International Journal of Medical Informatics, 2021, 145, 104332.	1.6	15
26	Altered nitric oxide induced by gut microbiota reveals the connection between central precocious puberty and obesity. Clinical and Translational Medicine, 2021, 11, e299.	1.7	13
27	Impacts of biomedical hashtag-based Twitter campaign: #DHPSP utilization for promotion of open innovation in digital health, patient safety, and personalized medicine. Current Research in Biotechnology, 2021, 3, 146-153.	1.9	15
28	MiRâ€378aâ€3p as a putative biomarker for hepatocellular carcinoma diagnosis and prognosis: Computational screening with experimental validation. Clinical and Translational Medicine, 2021, 11, e307.	1.7	15
29	CMBD: a manually curated cancer metabolic biomarker knowledge database. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	11
30	HFBD: a biomarker knowledge database for heart failure heterogeneity and personalized applications. Bioinformatics, 2021, 37, 4534-4539.	1.8	9
31	Topical Capsaicin for the Treatment of Neuropathic Pain. Current Drug Metabolism, 2021, 22, 198-207.	0.7	15
32	Herbal Resources to Combat a Progressive & Degenerative Nervous System Disorder- Parkinsonâ€™s Disease. Current Drug Targets, 2021, 22, 609-630.	1.0	13
33	The fourth scientific discovery paradigm for precision medicine and healthcare: Challenges ahead. Precision Clinical Medicine, 2021, 4, 80-84.	1.3	21
34	QSCR Analysis of Cytotoxicity of 6-Fluoro-3-(4H-1,2,4-triazol-3-yl)quinolin-4(1H)-ones on Chinese Hamster Ovary Cell Line: Design of REPUBLIC1986. Current Medicinal Chemistry, 2021, 28, .	1.2	5
35	A Ferroptosis-Related Gene Signature Identified as a Novel Prognostic Biomarker for Colon Cancer. Frontiers in Genetics, 2021, 12, 692426.	1.1	20
36	Multi-omics network characterization reveals novel microRNA biomarkers and mechanisms for diagnosis and subtyping of kidney transplant rejection. Journal of Translational Medicine, 2021, 19, 346.	1.8	6

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37	Unleashing the Potential of Microbial Natural Products in Drug Discovery: Focusing on Streptomyces as Antimicrobials Goldmine. Current Topics in Medicinal Chemistry, 2021, 21, 2374-2396.	1.0	8
38	Isolation, Docking and In Silico ADME-T Studies of Acacianol: Novel Antibacterial Isoflavone Analogue Isolated from Acacia leucophloea Bark. Current Drug Metabolism, 2021, 22, 893-904.	0.7	8
39	An update on the CHDGKB for the systematic understanding of risk factors associated with non-syndromic congenital heart disease. Computational and Structural Biotechnology Journal, 2021, 19, 5741-5751.	1.9	6
40	Natural Product-Based Studies for the Management of Castration-Resistant Prostate Cancer: Computational to Clinical Studies. Frontiers in Pharmacology, 2021, 12, 732266.	1.6	17
41	Natural Products for the Management of Castration-Resistant Prostate Cancer: Special Focus on Nanoparticles Based Studies. Frontiers in Cell and Developmental Biology, 2021, 9, 745177.	1.8	21
42	Phytomedicine in Disease Management: In-Silico Analysis of the Binding Affinity of Artesunate and Azadirachtin for Malaria Treatment. Frontiers in Pharmacology, 2021, 12, 751032.	1.6	10
43	A Novel Immune-Gene Pair Signature Revealing the Tumor Microenvironment Features and Immunotherapy Prognosis of Muscle-Invasive Bladder Cancer. Frontiers in Genetics, 2021, 12, 764184.	1.1	5
44	Natural Products for the Prevention and Control of the COVID-19 Pandemic: Sustainable Bioresources. Frontiers in Pharmacology, 2021, 12, 758159.	1.6	25
45	MIKB: A manually curated and comprehensive knowledge base for myocardial infarction. Computational and Structural Biotechnology Journal, 2021, 19, 6098-6107.	1.9	2
46	Physicochemical, Interaction & Topological Descriptors vs. hMAO-A Inhibition of Aplysinopsin Analogs: A Boulevard to the Discovery of Semi-synthetic Antidepression Agents. Current Drug Metabolism, 2021, 22, 905-915.	0.7	1
47	Translational Informatics for Natural Products as Antidepressant Agents. Frontiers in Cell and Developmental Biology, 2021, 9, 738838.	1.8	3
48	LCK and CD3E Orchestrate the Tumor Microenvironment and Promote Immunotherapy Response and Survival of Muscle-Invasive Bladder Cancer Patients. Frontiers in Cell and Developmental Biology, 2021, 9, 748280.	1.8	7
49	Decoding competing endogenous RNA networks for cancer biomarker discovery. Briefings in Bioinformatics, 2020, 21, 441-457.	3.2	64
50	CRC-EBD: Epigenetic Biomarker Database for Colorectal Cancer. Frontiers in Genetics, 2020, 11, 907.	1.1	10
51	Regulation of Pain Genesâ€"Capsaicin vs Resiniferatoxin: Reassessment of Transcriptomic Data. Frontiers in Pharmacology, 2020, 11, 551786.	1.6	10
52	Identification of Intrinsic Disorder in Complexes from the Protein Data Bank. ACS Omega, 2020, 5, 17883-17891.	1.6	17
53	Data-driven microbiota biomarker discovery for personalized drug therapy of cardiovascular disease. Pharmacological Research, 2020, 161, 105225.	3.1	5
54	iODA: An integrated tool for analysis of cancer pathway consistency from heterogeneous multi-omics data. Journal of Biomedical Informatics, 2020, 112, 103605.	2.5	10

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55	The landscape of emerging ceRNA crosstalks in colorectal cancer: Systems biological perspectives and translational applications. Clinical and Translational Medicine, 2020, 10, e153.	1.7	5
56	ANCA: A Web Server for Amino Acid Networks Construction and Analysis. Frontiers in Molecular Biosciences, 2020, 7, 582702.	1.6	5
57	Biomarker Discovery for the Carcinogenic Heterogeneity Between Colon and Rectal Cancers Based on lncRNA-Associated ceRNA Network Analysis. Frontiers in Oncology, 2020, 10, 535985.	1.3	26
58	Data-driven translational prostate cancer research: from biomarker discovery to clinical decision. Journal of Translational Medicine, 2020, 18, 119.	1.8	17
59	MicroRNA Alterations for Diagnosis, Prognosis, and Treatment of Osteoporosis: A Comprehensive Review and Computational Functional Survey. Frontiers in Genetics, 2020, 11, 181.	1.1	14
60	Early Detection of Sudden Cardiac Death by Using Ensemble Empirical Mode Decomposition-Based Entropy and Classical Linear Features From Heart Rate Variability Signals. Frontiers in Physiology, 2020, 11, 118.	1.3	25
61	CHDGKB: a knowledgebase for systematic understanding of genetic variations associated with non-syndromic congenital heart disease. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	7
62	Novel MicroRNA Biomarkers for Colorectal Cancer Early Diagnosis and 5-Fluorouracil Chemotherapy Resistance but Not Prognosis: A Study from Databases to AI-Assisted Verifications. Cancers, 2020, 12, 341.	1.7	11
63	Identification of Key MicroRNAs and Mechanisms in Prostate Cancer Evolution Based on Biomarker Prioritization Model and Carcinogenic Survey. Frontiers in Genetics, 2020, 11, 596826.	1.1	13
64	Phenotypeâ€“genotype network construction and characterization: a case study of cardiovascular diseases and associated non-coding RNAs. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	10
65	PCaLiStDB: a lifestyle database for precision prevention of prostate cancer. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	10
66	Secondary Metabolites as Treatment of Choice for Metabolic Disorders and Infectious Diseases & their Metabolic Profiling-Part 2. Current Drug Metabolism, 2020, 21, 1070-1071.	0.7	4
67	Heart Rate Variability Based Prediction of Personalized Drug Therapeutic Response: The Present Status and the Perspectives. Current Topics in Medicinal Chemistry, 2020, 20, 1640-1650.	1.0	6
68	In Silico ADMET Evaluation of Natural DPP-IV Inhibitors for Rational Drug Design against Diabetes. Current Drug Metabolism, 2020, 21, 768-777.	0.7	4
69	Intrinsically disordered domains: Sequence âž” disorder âž” function relationships. Protein Science, 2019, 28, 1652-1663.	3.1	31
70	Renyi Distribution Entropy Analysis of Short-Term Heart Rate Variability Signals and Its Application in Coronary Artery Disease Detection. Frontiers in Physiology, 2019, 10, 809.	1.3	22
71	MIRKB: a myocardial infarction risk knowledge base. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	14
72	Chromogranin-A Expression as a Novel Biomarker for Early Diagnosis of Colon Cancer Patients. International Journal of Molecular Sciences, 2019, 20, 2919.	1.8	36

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73	Electrocardiogram generation with a bidirectional LSTM-CNN generative adversarial network. Scientific Reports, 2019, 9, 6734.	1.6	111
74	Origination and evolution of orphan genes and de novo genes in the genome of Caenorhabditis elegans. Science China Life Sciences, 2019, 62, 579-593.	2.3	21
75	Elevated Plasma microRNA-105-5p Level in Patients With Idiopathic Parkinsonâ€™s Disease: A Potential Disease Biomarker. Frontiers in Neuroscience, 2019, 13, 218.	1.4	26
76	Evolution of genes and genomes: an emerging paradigm in life science. Science China Life Sciences, 2019, 62, 435-436.	2.3	1
77	Potential Applications of DNA, RNA and Protein Biomarkers in Diagnosis, Therapy and Prognosis for Colorectal Cancer: A Study from Databases to AI-Assisted Verification. Cancers, 2019, 11, 172.	1.7	25
78	ING4 suppresses hepatocellular carcinoma via a NF-ÎºB/miR-155/FOXO3a signaling axis. International Journal of Biological Sciences, 2019, 15, 369-385.	2.6	33
79	Altered Expression Levels of MicroRNA-132 and Nurr1 in Peripheral Blood of Parkinsonâ€™s Disease: Potential Disease Biomarkers. ACS Chemical Neuroscience, 2019, 10, 2243-2249.	1.7	46
80	Modeling and Simulation Studies of Complex Biological Systems for Precision Medicine and Healthcare. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 91-92.	1.9	3
81	Network vulnerabilityâ€based and knowledgeâ€guided identification of microRNA biomarkers indicating platinum resistance in highâ€grade serous ovarian cancer. Clinical and Translational Medicine, 2019, 8, 28.	1.7	28
82	ECG Generation With Sequence Generative Adversarial Nets Optimized by Policy Gradient. IEEE Access, 2019, 7, 159369-159378.	2.6	20
83	Translational Informatics for Parkinsonâ€™s Disease: from Big Biomedical Data to Small Actionable Alterations. Genomics, Proteomics and Bioinformatics, 2019, 17, 415-429.	3.0	25
84	Computer-aided biomarker discovery for precision medicine: data resources, models and applications. Briefings in Bioinformatics, 2019, 20, 952-975.	3.2	63
85	Ginsenoside Rg3 targets cancer stem cells and tumor angiogenesis to inhibit colorectal cancer progression in vivo. International Journal of Oncology, 2018, 52, 127-138.	1.4	60
86	NGS-FC: A Next-Generation Sequencing Data Format Converter. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1-1.	1.9	1
87	Identification of intrinsic disorder in complexes from Protein Data Bank. , 2018, , .		0
88	Alterations of NURR1 and Cytokines in the Peripheral Blood Mononuclear Cells: Combined Biomarkers for Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 392.	1.7	18
89	Translational Bioinformatics for Cholangiocarcinoma: Opportunities and Challenges. International Journal of Biological Sciences, 2018, 14, 920-929.	2.6	17
90	PON-tstab: Protein Variant Stability Predictor. Importance of Training Data Quality. International Journal of Molecular Sciences, 2018, 19, 1009.	1.8	48

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91	Biomarker microRNAs for prostate cancer metastasis: screened with a network vulnerability analysis model. Journal of Translational Medicine, 2018, 16, 134.	1.8	41
92	CBD: a biomarker database for colorectal cancer. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	1.4	46
93	Node-Weighted Amino Acid Network Strategy for Characterization and Identification of Protein Functional Residues. Journal of Chemical Information and Modeling, 2018, 58, 2024-2032.	2.5	20
94	NDDVD: an integrated and manually curated Neurodegenerative Diseases Variation Database. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	1.4	5
95	MiRNA-BD: an evidence-based bioinformatics model and software tool for microRNA biomarker discovery. RNA Biology, 2018, 15, 1093-1105.	1.5	31
96	Abstract 1320: An integrative and interactive colorectal cancer biomarker database. , 2018, , .		0
97	Dynamic regulation of small RNAome during the early stage of cardiac differentiation from pluripotent embryonic stem cells. Genomics Data, 2017, 12, 136-145.	1.3	12
98	How to Become a Smart Patient in the Era of Precision Medicine?. Advances in Experimental Medicine and Biology, 2017, 1028, 1-16.	0.8	15
99	Physiological Informatics: Collection and Analyses of Data from Wearable Sensors and Smartphone for Healthcare. Advances in Experimental Medicine and Biology, 2017, 1028, 17-37.	0.8	18
100	Interactions Between Genetics, Lifestyle, and Environmental Factors for Healthcare. Advances in Experimental Medicine and Biology, 2017, 1005, 167-191.	0.8	22
101	Newborn Screening in the Era of Precision Medicine. Advances in Experimental Medicine and Biology, 2017, 1005, 47-61.	0.8	12
102	Informatics for Precision Medicine and Healthcare. Advances in Experimental Medicine and Biology, 2017, 1005, 1-20.	0.8	7
103	Small RNAome sequencing delineates the small RNA landscape of pluripotent adult stem cells in the planarian Schmidtea mediterranea. Genomics Data, 2017, 14, 114-125.	1.3	6
104	Network Biomarkers Constructed from Gene Expression and Protein-Protein Interaction Data for Accurate Prediction of Leukemia. Journal of Cancer, 2017, 8, 278-286.	1.2	15
105	Systems Health: A Transition from Disease Management Toward Health Promotion. Advances in Experimental Medicine and Biology, 2017, 1028, 149-164.	0.8	9
106	Identification of biomarker microRNAs for predicting the response of colorectal cancer to neoadjuvant chemoradiotherapy based on microRNA regulatory network. Oncotarget, 2017, 8, 2233-2248.	0.8	41
107	Comparison of Prognostic MicroRNA Biomarkers in Blood and Tissues for Gastric Cancer. Journal of Cancer, 2016, 7, 95-106.	1.2	29
108	Novel Biomarker MicroRNAs for Subtyping of Acute Coronary Syndrome: A Bioinformatics Approach. BioMed Research International, 2016, 2016, 1-11.	0.9	18

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109	Long Non-coding RNAs in Urologic Malignancies: Functional Roles and Clinical Translation. Journal of Cancer, 2016, 7, 1842-1855.	1.2	45
110	Knowledge-Guided Bioinformatics Model for Identifying Autism Spectrum Disorder Diagnostic MicroRNA Biomarkers. Scientific Reports, 2016, 6, 39663.	1.6	48
111	Biomarker MicroRNAs for Diagnosis, Prognosis and Treatment of Hepatocellular Carcinoma: A Functional Survey and Comparison. Scientific Reports, 2016, 6, 38311.	1.6	74
112	Network-Based Biomedical Data Analysis. Advances in Experimental Medicine and Biology, 2016, 939, 309-332.	0.8	8
113	RNA Bioinformatics for Precision Medicine. Advances in Experimental Medicine and Biology, 2016, 939, 21-38.	0.8	0
114	Biobanks and Their Clinical Application and Informatics Challenges. Advances in Experimental Medicine and Biology, 2016, 939, 241-257.	0.8	6
115	XML, Ontologies, and Their Clinical Applications. Advances in Experimental Medicine and Biology, 2016, 939, 259-287.	0.8	6
116	Investigating cellular network heterogeneity and modularity in cancer: a network entropy and unbalanced motif approach. BMC Systems Biology, 2016, 10, 65.	3.0	36
117	Inflammatory stimuli promote growth and invasion of pancreatic cancer cells through NF-Î¹B pathway dependent repression of PP2Ac. Cell Cycle, 2016, 15, 381-393.	1.3	24
118	PON-Sol: prediction of effects of amino acid substitutions on protein solubility. Bioinformatics, 2016, 32, 2032-2034.	1.8	50
119	LIMS and Clinical Data Management. Advances in Experimental Medicine and Biology, 2016, 939, 225-239.	0.8	6
120	FH535, a Î²-catenin pathway inhibitor, represses pancreatic cancer xenograft growth and angiogenesis. Oncotarget, 2016, 7, 47145-47162.	0.8	25
121	Network Analysis of Protein Structures: The Comparison of Three Topologies. Current Bioinformatics, 2016, 11, 480-489.	0.7	8
122	An integrated text mining framework for metabolic interaction network reconstruction. PeerJ, 2016, 4, e1811.	0.9	11
123	Network modelling reveals the mechanism underlying colitis-associated colon cancer and identifies novel combinatorial anti-cancer targets. Scientific Reports, 2015, 5, 14739.	1.6	49
124	Discovery and characterization of long intergenic non-coding RNAs (lincRNA) module biomarkers in prostate cancer: an integrative analysis of RNA-Seq data. BMC Genomics, 2015, 16, S3.	1.2	50
125	Amino acid network for prediction of catalytic residues in enzymes: a comparison survey. Current Protein and Peptide Science, 2015, 17, 41-51.	0.7	8
126	Computational Analysis of the Binding Specificities of PH Domains. BioMed Research International, 2015, 2015, 1-11.	0.9	22

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127	MicroRNA biomarker identification for pediatric acute myeloid leukemia based on a novel bioinformatics model. Oncotarget, 2015, 6, 26424-26436.	0.8	45
128	Identification of the genes regulated by Wnt-4, a critical signal for commitment of the ovary. Experimental Cell Research, 2015, 332, 163-178.	1.2	34
129	Understanding Amino Acid Mutations in Hepatitis B Virus Proteins for Rational Design of Vaccines and Drugs. Advances in Protein Chemistry and Structural Biology, 2015, 99, 131-153.	1.0	5
130	Protein interaction network constructing based on text mining and reinforcement learning with application to prostate cancer. IET Systems Biology, 2015, 9, 106-112.	0.8	8
131	New genes drive the evolution of gene interaction networks in the human and mouse genomes. Genome Biology, 2015, 16, 202.	3.8	88
132	Deciphering oncogenic drivers: from single genes to integrated pathways. Briefings in Bioinformatics, 2015, 16, 413-428.	3.2	24
133	Screening key microRNAs for castration-resistant prostate cancer based on miRNA/mRNA functional synergistic network. Oncotarget, 2015, 6, 43819-43830.	0.8	65
134	Segmentation of Neuronal Structures Using SARSA (Î»)-Based Boundary Amendment with Reinforced Gradient-Descent Curve Shape Fitting. PLoS ONE, 2014, 9, e90873.	1.1	3
135	Biomedical Data Integration, Modeling, and Simulation in the Era of Big Data and Translational Medicine. BioMed Research International, 2014, 2014, 1-1.	0.9	6
136	Biomedical Informatics and Computational Biology for High-Throughput Data Analysis. Scientific World Journal, The, 2014, 2014, 1-2.	0.8	4
137	Computational Advances in Cancer Informatics (A). Cancer Informatics, 2014, 13s1, CIN.S19243.	0.9	0
138	Protein-protein interaction network constructing based on text mining and reinforcement learning with application to prostate cancer. , 2014, , .		5
139	Identification of MicroRNA as Sepsis Biomarker Based on miRNAs Regulatory Network Analysis. BioMed Research International, 2014, 2014, 1-12.	0.9	56
140	Evaluation and Comparison of Multiple Aligners for Next-Generation Sequencing Data Analysis. BioMed Research International, 2014, 2014, 1-16.	0.9	52
141	Key regulators in prostate cancer identified by co-expression module analysis. BMC Genomics, 2014, 15, 1015.	1.2	28
142	SVR_CAF: An integrated score function for detecting native protein structures among decoys. Proteins: Structure, Function and Bioinformatics, 2014, 82, 556-564.	1.5	18
143	Residue interaction network analysis of Dronpa and a DNA clamp. Journal of Theoretical Biology, 2014, 348, 55-64.	0.8	63
144	Amino acid contact energy networks impact protein structure and evolution. Journal of Theoretical Biology, 2014, 355, 95-104.	0.8	18

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145	The construction of an amino acid network for understanding protein structure and function. Amino Acids, 2014, 46, 1419-1439.	1.2	92
146	Virtual screening and biological evaluation of novel small molecular inhibitors against protein arginine methyltransferase 1 (PRMT1). Organic and Biomolecular Chemistry, 2014, 12, 9665-9673.	1.5	27
147	Wnt4, a pleiotropic signal for controlling cell polarity, basement membrane integrity, and antimullerian hormone expression during oocyte maturation in the female follicle. FASEB Journal, 2014, 28, 1568-1581.	0.2	44
148	Identification of candidate miRNA biomarkers from miRNA regulatory network with application to prostate cancer. Journal of Translational Medicine, 2014, 12, 66.	1.8	94
149	Integrative analysis reveals disease-associated genes and biomarkers for prostate cancer progression. BMC Medical Genomics, 2014, 7, S3.	0.7	23
150	Top associated SNPs in prostate cancer are significantly enriched in cis-expression quantitative trait loci and at transcription factor binding sites. Oncotarget, 2014, 5, 6168-6177.	0.8	19
151	Amino Acid Network for the Discrimination of Native Protein Structures from Decoys. Current Protein and Peptide Science, 2014, 15, 522-528.	0.7	14
152	Structure-based prediction of the effects of a missense variant on protein stability. Amino Acids, 2013, 44, 847-855.	1.2	36
153	Post genome-wide association studies functional characterization of prostate cancer risk loci. BMC Genomics, 2013, 14, S9.	1.2	15
154	Identification of novel microRNA regulatory pathways associated with heterogeneous prostate cancer. BMC Systems Biology, 2013, 7, S6.	3.0	37
155	Identifying novel glioma associated pathways based on systems biology level meta-analysis. BMC Systems Biology, 2013, 7, S9.	3.0	10
156	InCoB2013 introduces Systems Biology as a major conference theme. BMC Systems Biology, 2013, 7, S1.	3.0	6
157	Genome-scale analysis of the metabolic networks of oleaginous Zygomycete fungi. Gene, 2013, 521, 180-190.	1.0	41
158	Biomedical text mining and its applications in cancer research. Journal of Biomedical Informatics, 2013, 46, 200-211.	2.5	196
159	Translational Biomedical Informatics in the Cloud: Present and Future. BioMed Research International, 2013, 2013, 1-8.	0.9	45
160	Homology modeling and molecular dynamics studies of Wilmsâ€™ tumor gene 1 frameshift mutations in exon 7. Biomedical Reports, 2013, 1, 702-706.	0.9	0
161	Diagnosis Value of the Serum Amyloid A Test in Neonatal Sepsis: A Meta-Analysis. BioMed Research International, 2013, 2013, 1-9.	0.9	40
162	Molecular Signature of Cancer at Gene Level or Pathway Level? Case Studies of Colorectal Cancer and Prostate Cancer Microarray Data. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	0.7	22

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163	Translational Bioinformatics for Diagnostic and Prognostic Prediction of Prostate Cancer in the Next-Generation Sequencing Era. BioMed Research International, 2013, 2013, 1-13.	0.9	34
164	Clear cell renal cell carcinoma associated microRNA expression signatures identified by an integrated bioinformatics analysis. Journal of Translational Medicine, 2013, 11, 169.	1.8	52
165	Translational Bioinformatics and Computational Systems Medicine. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-2.	0.7	5
166	Translational Biomedical Informatics and Computational Systems Medicine. BioMed Research International, 2013, 2013, 1-2.	0.9	3
167	Molecular Dynamic Simulation to Explore the Molecular Basis of Btk-PH Domain Interaction with Ins(1,3,4,5)P4. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	7
168	Identification of Biomarkers for Pharmacological Activity. Translational Bioinformatics, 2013, , 189-205.	0.0	1
169	The Topology and Dynamics of Protein Complexes: Insights from Intra– Molecular Network Theory. Current Protein and Peptide Science, 2013, 14, 121-132.	0.7	22
170	Identification of Network Biomarkers for Cancer Diagnosis. Translational Bioinformatics, 2013, , 257-275.	0.0	2
171	Network Biomarkers for Diagnosis and Prognosis of Human Prostate Cancer. Translational Bioinformatics, 2013, , 207-220.	0.0	1
172	Identification of Cancer MicroRNA Biomarkers Based on miRNAâ€“mRNA Network. Translational Bioinformatics, 2013, , 153-167.	0.0	1
173	Biomarker Discovery with Text Mining and Literature Based Discovery. Translational Bioinformatics, 2013, , 57-78.	0.0	0
174	A Systems Biology Perspective on Rational Design of Peptide Vaccine Against Virus Infections. Current Topics in Medicinal Chemistry, 2012, 12, 1310-1319.	1.0	14
175	Identification and Functional Annotation of Genome-Wide ER-Regulated Genes in Breast Cancer Based on ChIP-Seq Data. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-10.	0.7	8
176	Identifying novel glioma associated pathways based on integrated ‘omics’ data. , 2012, , .		0
177	Performance comparison and evaluation of software tools for microRNA deep-sequencing data analysis. Nucleic Acids Research, 2012, 40, 4298-4305.	6.5	150
178	Combined SVM-CRFs for Biological Named Entity Recognition with Maximal Bidirectional Squeezing. PLoS ONE, 2012, 7, e39230.	1.1	21
179	The preservation of bidirectional promoter architecture in eukaryotes: what is the driving force?. BMC Systems Biology, 2012, 6, S21.	3.0	29
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