

# Huiru Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

207  
papers

2,689  
citations

218381

26  
h-index

276539

41  
g-index

212  
all docs

212  
docs citations

212  
times ranked

3889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential impairment of regulatory T cells rather than effector T cells by paclitaxel-based chemotherapy. <i>Clinical Immunology</i> , 2008, 129, 219-229.	1.4	176
2	Position-sensing technologies for movement analysis in stroke rehabilitation. <i>Medical and Biological Engineering and Computing</i> , 2005, 43, 413-420.	1.6	134
3	Review of applications of high-throughput sequencing in personalized medicine: barriers and facilitators of future progress in research and clinical application. <i>Briefings in Bioinformatics</i> , 2019, 20, 1795-1811.	3.2	112
4	Permutation “ based statistical tests for multiple hypotheses. <i>Source Code for Biology and Medicine</i> , 2008, 3, 15.	1.7	93
5	Combining deep residual neural network features with supervised machine learning algorithms to classify diverse food image datasets. <i>Computers in Biology and Medicine</i> , 2018, 95, 217-233.	3.9	86
6	Virtual Reality and 3D Animation in Forensic Visualization*. <i>Journal of Forensic Sciences</i> , 2010, 55, 1227-1231.	0.9	64
7	iGAIT: An interactive accelerometer based gait analysis system. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 108, 715-723.	2.6	62
8	Activity Monitoring Using a Smart Phone's Accelerometer with Hierarchical Classification. , 2010, , .		61
9	A 3D indoor positioning system based on low-cost MEMS sensors. <i>Simulation Modelling Practice and Theory</i> , 2016, 65, 45-56.	2.2	61
10	A review of the role of assistive technology for people with dementia in the hours of darkness. <i>Technology and Health Care</i> , 2009, 17, 281-304.	0.5	58
11	Human Activity Detection in Smart Home Environment with Self-Adaptive Neural Networks. , 2008, , .		57
12	Virtual Reality and Serious Games in Healthcare. <i>Studies in Computational Intelligence</i> , 2011, , 169-192.	0.7	53
13	A Personalized Self-Management Rehabilitation System with an Intelligent Shoe for Stroke Survivors: A Realist Evaluation. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2016, 3, e1.	1.1	49
14	A machine learning approach to assessing gait patterns for Complex Regional Pain Syndrome. <i>Medical Engineering and Physics</i> , 2012, 34, 740-746.	0.8	46
15	Smart self management: assistive technology to support people with chronic disease. <i>Journal of Telemedicine and Telecare</i> , 2010, 16, 224-227.	1.4	45
16	Optimal model selection for posture recognition in home-based healthcare. <i>International Journal of Machine Learning and Cybernetics</i> , 2011, 2, 1-14.	2.3	43
17	Developing and testing a telerehabilitation system for people following stroke: issues of usability. <i>Journal of Engineering Design</i> , 2010, 21, 223-236.	1.1	42
18	Visualization of data for ambient assisted living services. , 2011, 49, 110-117.		42

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19	Participatory Research to Design a Novel Telehealth System to Support the Night-Time Needs of People with Dementia: NOCTURNAL. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 6764-6782.	1.2	41
20	Developing a personalised self-management system for post stroke rehabilitation; utilising a user-centred design methodology. <i>Disability and Rehabilitation: Assistive Technology</i> , 2014, 9, 521-528.	1.3	40
21	Feature selection and construction for the discrimination of neurodegenerative diseases based on gait analysis. , 2009, , .		39
22	Machine Learning and Statistical Approaches to Support the Discrimination of Neuro-degenerative Diseases Based on Gait Analysis. <i>Studies in Computational Intelligence</i> , 2009, , 57-70.	0.7	36
23	Integration of Genomic Data for Inferring Protein Complexes from Global Protein-Protein Interaction Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008, 38, 5-16.	5.5	35
24	Pulmonary epithelial CCR3 promotes LPS-induced lung inflammation by mediating release of IL-8. <i>Journal of Cellular Physiology</i> , 2011, 226, 2398-2405.	2.0	33
25	Stroke patients' utilisation of extrinsic feedback from computer-based technology in the home: a multiple case study realistic evaluation. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 46.	1.5	31
26	Integrating Omics Data With a Multiplex Network-Based Approach for the Identification of Cancer Subtypes. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 335-342.	2.2	31
27	From Experimental Approaches to Computational Techniques: A Review on the Prediction of Protein-Protein Interactions. <i>Advances in Artificial Intelligence</i> , 2010, 2010, 1-15.	0.9	29
28	Heuristic charge assignment for deconvolution of electrospray ionization mass spectra. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 429-436.	0.7	28
29	A Novel Energy-Efficient Approach for Human Activity Recognition. <i>Sensors</i> , 2017, 17, 2064.	2.1	28
30	Assessing the utility of smart mobile phones in gait pattern analysis. <i>Health and Technology</i> , 2012, 2, 81-88.	2.1	27
31	SMART project: Application of emerging information and communication technology to home-based rehabilitation for stroke patients. <i>International Journal on Disability and Human Development</i> , 2006, 5, .	0.2	26
32	GRIP: A web-based system for constructing Gold Standard datasets for protein-protein interaction prediction. <i>Source Code for Biology and Medicine</i> , 2009, 4, 2.	1.7	24
33	Situation Awareness Inferred From Posture Transition and Location: Derived From Smartphone and Smart home Sensors. <i>IEEE Transactions on Human-Machine Systems</i> , 2017, 47, 814-821.	2.5	24
34	Effect of Suprarenal Stent Struts on the Renal Artery with Ostial Calcification Observed on CT Virtual Intravascular Endoscopy. <i>European Journal of Vascular and Endovascular Surgery</i> , 2004, 28, 534-542.	0.8	22
35	Deep learning in systems medicine. <i>Briefings in Bioinformatics</i> , 2021, 22, 1543-1559.	3.2	22
36	Poisson-Based Self-Organizing Feature Maps and Hierarchical Clustering for Serial Analysis of Gene Expression Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2007, 4, 163-175.	1.9	21

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37	Integrated metagenomic analysis of the rumen microbiome of cattle reveals key biological mechanisms associated with methane traits. <i>Methods</i> , 2017, 124, 108-119.	1.9	21
38	A computational framework for the prioritization of disease-gene candidates. <i>BMC Genomics</i> , 2015, 16, S2.	1.2	20
39	Predictive Integration of Gene Ontology-Driven Similarity and Functional Interactions. , 2006, 2006, 114-119.		19
40	Monitoring and analysis of sleep pattern for people with early dementia. , 2010, , .		19
41	The provision of feedback through computer-based technology to promote self-managed post-stroke rehabilitation in the home. <i>Disability and Rehabilitation: Assistive Technology</i> , 2014, 9, 529-538.	1.3	19
42	Ontology- and graph-based similarity assessment in biological networks. <i>Bioinformatics</i> , 2010, 26, 2643-2644.	1.8	17
43	Assessing Gait Patterns of Healthy Adults Climbing Stairs Employing Machine Learning Techniques. <i>International Journal of Intelligent Systems</i> , 2013, 28, 257-270.	3.3	17
44	A knowledge-driven probabilistic framework for the prediction of protein-protein interaction networks. <i>Computers in Biology and Medicine</i> , 2010, 40, 306-317.	3.9	16
45	Feasibility Study on iPhone Accelerometer for Gait Detection. , 2011, , .		16
46	Cross-sectional area reduction of the aortic ostium by suprarenal stent wires: in vitro phantom study by CT virtual angiography. <i>Computerized Medical Imaging and Graphics</i> , 2004, 28, 345-351.	3.5	15
47	Assessing accelerometer based gait features to support gait analysis for people with complex regional pain syndrome. , 2010, , .		15
48	An improved random walk based clustering algorithm for community detection in complex networks. , 2011, , .		15
49	An ontological framework for activity monitoring and reminder reasoning in an assisted environment. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013, 4, 157-168.	3.3	15
50	CASNMF: A Converged Algorithm for symmetrical nonnegative matrix factorization. <i>Neurocomputing</i> , 2018, 275, 2031-2040.	3.5	15
51	A Comprehensive Study on Predicting Functional Role of Metagenomes Using Machine Learning Methods. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 751-763.	1.9	15
52	Community effort endorsing multiscale modelling, multiscale data science and multiscale computing for systems medicine. <i>Briefings in Bioinformatics</i> , 2019, 20, 1057-1062.	3.2	15
53	Feature Selection and Classification in Supporting Report-Based Self-Management for People with Chronic Pain. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 54-61.	3.6	14
54	Design of a smart insole for ambulatory assessment of gait. , 2015, , .		14

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55	Smart mobile phone based gait assessment of patients with low back pain. , 2013, , .		13
56	A Personalized Self-Management Rehabilitation System for Stroke Survivors: A Quantitative Gait Analysis Using a Smart Insole. JMIR Rehabilitation and Assistive Technologies, 2016, 3, e11.	1.1	13
57	Integration of Gene Ontology-based similarities for supporting analysis of protein-protein interaction networks. Pattern Recognition Letters, 2010, 31, 2073-2082.	2.6	12
58	Night optimised care technology for users needing assisted lifestyles. Behaviour and Information Technology, 2014, 33, 1261-1277.	2.5	12
59	Linking Biochemical Pathways and Networks to Adverse Drug Reactions. IEEE Transactions on Nanobioscience, 2014, 13, 131-137.	2.2	12
60	Phy-PMRFI: Phylogeny-Aware Prediction of Metagenomic Functions Using Random Forest Feature Importance. IEEE Transactions on Nanobioscience, 2019, 18, 273-282.	2.2	12
61	A theoretic algorithm for fall and motionless detection. , 2009, , .		11
62	Improving pattern discovery and visualisation with self-adaptive neural networks through data transformations. International Journal of Machine Learning and Cybernetics, 2012, 3, 173-182.	2.3	11
63	An orientation free adaptive step detection algorithm using a smart phone in physical activity monitoring. Health and Technology, 2012, 2, 249-258.	2.1	11
64	A low power and high accuracy MEMS sensor based activity recognition algorithm. , 2014, , .		11
65	An Ontology-Based Context-aware Approach for Behaviour Analysis. Atlantis Ambient and Pervasive Intelligence, 2011, , 127-148.	0.2	11
66	Assessing Impact of Sensors and Feature Selection in Smart-Insole-Based Human Activity Recognition. Methods and Protocols, 2022, 5, 45.	0.9	11
67	Improving Pattern Discovery and Visualization of SAGE Data Through Poisson-Based Self-Adaptive Neural Networks. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 459-469.	3.6	10
68	Activity monitoring using an intelligent mobile phone. , 2010, , .		10
69	Detection of protein complexes from affinity purification/mass spectrometry data. BMC Systems Biology, 2012, 6, S4.	3.0	10
70	Towards Personalised Training of Machine Learning Algorithms for Food Image Classification Using a Smartphone Camera. Lecture Notes in Computer Science, 2016, , 178-190.	1.0	10
71	Investigating the impact human protein-protein interaction networks have on disease-gene analysis. International Journal of Machine Learning and Cybernetics, 2018, 9, 455-464.	2.3	10
72	Analyzing Large Microbiome Datasets Using Machine Learning and Big Data. BioMedInformatics, 2021, 1, 138-165.	1.0	10

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73	Machine learning approaches to supporting the identification of photoreceptor-enriched genes based on expression data. BMC Bioinformatics, 2006, 7, 116.	1.2	9
74	A sleep pattern analysis and visualization system to support people with early dementia. , 2011, , .		9
75	Cloud Computing-Based TagSNP Selection Algorithm for Human Genome Data. International Journal of Molecular Sciences, 2015, 16, 1096-1110.	1.8	9
76	Clustering-based approaches to SAGE data mining. BioData Mining, 2008, 1, 5.	2.2	8
77	Minimum dominating sets in cell cycle specific protein interaction networks. , 2014, , .		8
78	A Deepâ€Learning Approach to the Dynamics of Landauâ€™Zenner Transitions. Advanced Theory and Simulations, 2021, 4, 2100083.	1.3	8
79	A Calibration-free Approach to Implementing P300-based Brainâ€™computer Interface. Cognitive Computation, 2022, 14, 887-899.	3.6	8
80	An assessment of machine and statistical learning approaches to inferring networks of protein-protein interactions. Journal of Integrative Bioinformatics, 2006, 3, 230-246.	1.0	7
81	Supervised Statistical and Machine Learning Approaches to Inferring Pairwise and Module-Based Protein Interaction Networks. , 2007, , .		7
82	Predictive integration of gene functional similarity and co-expression defines treatment response of endothelial progenitor cells. BMC Systems Biology, 2011, 5, 46.	3.0	7
83	Machine learning and statistical approaches to assessing gait patterns of younger and older healthy adults climbing stairs. , 2011, , .		7
84	Knowledge transfer for technology based interventions: Collaboration, development and evaluation. Technology and Disability, 2012, 24, 233-243.	0.3	7
85	Design and Evaluation of a Smartphone Based Wearable Life-Logging and Social Interaction System. , 2014, , .		7
86	PAAM-ML: A novel Phylogeny and Abundance aware Machine Learning Modelling Approach for Microbiome Classification. , 2018, , .		7
87	eNelator: A simulation system for large-scale vulnerability analysis of species-, disease- and process-specific protein networks. Journal of Computational Science, 2010, 1, 197-205.	1.5	6
88	Systems-based biological concordance and predictive reproducibility of gene set discovery methods in cardiovascular disease. Journal of Biomedical Informatics, 2011, 44, 637-647.	2.5	6
89	Integrating domain similarity to improve protein complexes identification in TAP-MS data. Proteome Science, 2013, 11, S2.	0.7	6
90	Self-management of COPD. , 2014, , .		6

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91	Machine Learning for Medical Applications. Scientific World Journal, The, 2015, 2015, 1-1.	0.8	6
92	SenseCare: Using Affective Computing to Manage and Care for the Emotional Wellbeing of Older People. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 352-356.	0.2	6
93	A heat diffusion multilayer network approach for the identification of functional biomarkers in rumen methane emissions. Methods, 2021, 192, 57-66.	1.9	6
94	Development of an Early Prediction Model for Subarachnoid Hemorrhage With Genetic and Signaling Pathway Analysis. Frontiers in Genetics, 2020, 11, 391.	1.1	6
95	Indoor Pedestrian Navigation with Shoe-Mounted Inertial Sensors. Lecture Notes in Electrical Engineering, 2014, , 67-73.	0.3	6
96	A Smartphone Based Hand-Held Indoor Positioning System. Lecture Notes in Electrical Engineering, 2016, , 639-650.	0.3	6
97	Comparison of HPLC and NMR for quantification of the main volatile fatty acids in rumen digesta. Scientific Reports, 2021, 11, 24337.	1.6	6
98	Correlation of Genomic Features With Dynamic Modularity in the Yeast Interactome: A View From the Structural Perspective. IEEE Transactions on Nanobioscience, 2012, 11, 244-250.	2.2	5
99	The Influence of Network Topology on Reverse-engineering of Gene-regulatory Networks. Procedia Computer Science, 2014, 29, 410-421.	1.2	5
100	An improved hash-based RFID two-way security authentication protocol and application in remote education. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2713-2720.	0.8	5
101	KeepWell: A Generic Platform for the Self-Management of Chronic Conditions. IFMBE Proceedings, 2016, , 897-902.	0.2	5
102	eZiGait: Toward an AI Gait Analysis And Ssistant System. , 2018, , .		5
103	SenseCare: Towards an Experimental Platform for Home-Based, Visualisation of Emotional States of People with Dementia. Lecture Notes in Computer Science, 2016, , 63-74.	1.0	5
104	An Integrative Approach for the Functional Analysis of Metagenomic Studies. Lecture Notes in Computer Science, 2017, , 421-427.	1.0	5
105	Mutual information-based approach to the analysis of dynamic electrocardiograms. Technology and Health Care, 2008, 16, 367-375.	0.5	4
106	seGOsa: Software environment for gene ontology-driven similarity assessment. , 2010, , .		4
107	Knowledge discovery from activity monitoring to support independent living of people with early dementia. , 2012, , .		4
108	Reverse engineering of gene regulation models from multi-condition experiments. , 2013, , .		4

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109	Organized Modularity in the Interactome: Evidence from the Analysis of Dynamic Organization in the Cell Cycle. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2014, 11, 1264-1270.	1.9	4
110	COPD lifestyle support through self-management (CALs). , 2014, , .		4
111	Semi-automated system for predicting calories in photographs of meals. , 2015, , .		4
112	Home-Based Self-Management of Dementia: Closing the Loop. <i>Lecture Notes in Computer Science</i> , 2015, , 232-243.	1.0	4
113	An Integrative Framework for Functional Analysis of Cattle Rumen Microbiomes. , 2018, , .		4
114	Phylogeny-Aware Deep 1-Dimensional Convolutional Neural Network for the Classification of Metagenomes. , 2018, , .		4
115	Machine Learning in Bioinformatics. , 2019, , 300-308.		4
116	Pedestrian Dead Reckoning-Assisted Visual Inertial Odometry Integrity Monitoring. <i>Sensors</i> , 2019, 19, 5577.	2.1	4
117	A Knowledge-Driven Network-Based Analytical Framework for the Identification of Rumen Metabolites. <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 518-526.	2.2	4
118	Modern Holstein-origin dairy cows within grassland-based systems partition more feed nitrogen into milk and excrete less in manure. <i>Science of the Total Environment</i> , 2020, 727, 138561.	3.9	4
119	Reliability of Location Detection in Intelligent Environments. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 181-188.	0.2	4
120	A Novel Activity Recognition Approach Based on Mobile Phone. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 59-65.	0.3	4
121	A real-time falls detection system for elderly. , 2013, , .		3
122	Novel Computational Technologies for Next-Generation Sequencing Data Analysis and Their Applications. <i>International Journal of Genomics</i> , 2015, 2015, 1-3.	0.8	3
123	Identification of Protein Complexes from Tandem Affinity Purification/Mass Spectrometry Data via Biased Random Walk. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015, 12, 455-466.	1.9	3
124	An efficient estimation method coping with the capture effect for RFID tags identification and application in remote learning. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 2707-2712.	0.8	3
125	Analysis of rumen microbial community in cattle through the integration of metagenomic and network-based approaches. , 2016, , .		3
126	Visualization of local wind field based forest-fire's forecast modeling for transportation planning. <i>Multimedia Tools and Applications</i> , 2016, , 1.	2.6	3



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127	Microbial co-presence and mutual-exclusion networks in the Bovine rumen microbiome. , 2017, , .		3
128	Human Activity Recognition with Smart Watch Based on H-SVM. Lecture Notes in Electrical Engineering, 2018, , 179-186.	0.3	3
129	A Multi-agent Approach to Assist with Dressing in a Smart Environment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 220-223.	0.2	3
130	Role of Deep Learning in Predicting Aging-Related Diseases: A Scoping Review. Cells, 2021, 10, 2924.	1.8	3
131	Poisson approach to clustering analysis of regulatory sequences. International Journal of Computational Biology and Drug Design, 2008, 1, 141.	0.3	2
132	Assessing the impact of network depth on the analysis of PPI networks: A case study. , 2009, , .		2
133	A pattern analysis and visualisation system for sleep monitoring in ambient assisted living environment. International Journal of Computers in Healthcare, 2012, 1, 320.	0.5	2
134	An interactive assessment system for children with chronic pain. , 2012, , .		2
135	Drug-Domain Interaction Networks in Myocardial Infarction. IEEE Transactions on Nanobioscience, 2013, 12, 182-188.	2.2	2
136	Towards a generic platform for the self-management of chronic conditions. , 2014, , .		2
137	Human-machine-environment cyber-physical system and hierarchical task planning to support independent living. , 2014, , .		2
138	Statistical and Machine Learning Approach to Assessing the Environmental Impact on Walking Patterns. , 2014, , .		2
139	Evaluating a common semi-mechanistic mathematical model of gene-regulatory networks. BMC Systems Biology, 2015, 9, S2.	3.0	2
140	A smart-phone based hand-held indoor tracking system. , 2017, , .		2
141	Research on multiple gait and 3D indoor positioning system. , 2017, , .		2
142	Mining Similar Aspects for Gene Similarity Explanation Based on Gene Information Network. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, PP, 1-1.	1.9	2
143	HPLC/ESI-MS identification of common peptides in amphibian skin secretions. , 0, , .		1
144	A Computational Approach for Peptidomic Analysis in Taxonomic Study of Amphibian Species. IEEE Transactions on Nanobioscience, 2005, 4, 241-247.	2.2	1

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145	Signature genes in human heart failure based on gene expression analysis: Can we identify a unique set?. , 2008, , .		1
146	Reassessing the limit of data integration for the prediction of protein-protein interactions in <i>Saccharomyces cerevisiae</i> . , 2008, , .		1
147	A Bayesian Approach to Improving Decision Making in Support Vector Machine and its Application in Bioinformatics. , 2009, , .		1
148	Multi-level integrative analysis of Protein Protein Interaction networks: connecting completeness, depth and robustness. <i>International Journal of Computational Biology and Drug Design</i> , 2010, 3, 31.	0.3	1
149	Data structures, coding and classification. <i>Technology and Health Care</i> , 2010, 18, 71-87.	0.5	1
150	Correlation of genomics features with the date and party hub distinction: A view from three dimensional protein structures. , 2011, , .		1
151	The NOCTURNAL Ambient Assisted Living System. , 2011, , .		1
152	Detection of functional modules from protein interaction networks with an enhanced random walk based algorithm. <i>International Journal of Computational Biology and Drug Design</i> , 2011, 4, 290.	0.3	1
153	Drug-target network in myocardial infarction: A structural analysis. , 2012, , .		1
154	Correlating adverse drug reactions with biological pathways in humans. , 2013, , .		1
155	Novel Computing Technologies for Bioinformatics and Cheminformatics. <i>BioMed Research International</i> , 2014, 2014, 1-3.	0.9	1
156	Integrated Approach in Systems Biology. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-2.	0.7	1
157	A multi-model reverse-engineering algorithm for large gene regulation networks. , 2014, , .		1
158	An integrative network-driven pipeline for the prioritization of Alzheimer's disease genes. , 2014, , .		1
159	Segmentation of Mobile User Groups Based on Traffic Usage and Mobility Patterns. , 2014, , .		1
160	Modelling enteric methane emissions from milking dairy cows with Bayesian networks. , 2016, , .		1
161	A digital technology framework to optimise the self-management of obesity. , 2016, , .		1
162	The role of high performance, grid and cloud computing in high-throughput sequencing. , 2016, , .		1

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163	A network analysis of methane and feed conversion genes in the rumen microbial community. , 2016, , .		1
164	Microbial abundance analysis and phylogenetic adoption in functional metagenomics. , 2017, , .		1
165	SCENARIO: Discovery of Similar Aspects for Gene Similarity Explanation from Gene Information Network. , 2019, , .		1
166	A knowledge driven mutual information-based analytical framework for the identification of rumen metabolites. , 2019, , .		1
167	Improving the Inference of Co-Occurrence Networks in the Bovine Rumen Microbiome. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 858-867.	1.9	1
168	Understanding the Role of (Advanced) Machine Learning in Metagenomic Workflows. Lecture Notes in Computer Science, 2021, , 56-82.	1.0	1
169	An assessment of machine and statistical learning approaches to inferring networks of protein-protein interactions. , 0, .		1
170	Peptidomic Pattern Analysis and Taxonomy of Amphibian Species. Lecture Notes in Computer Science, 2004, , 498-503.	1.0	1
171	Identifying Hub Nodes and Sub-networks from Cattle Rumen Microbiome Multilayer Networks. Communications in Computer and Information Science, 2022, , 165-175.	0.4	1
172	Mutual information-based approach to the analysis of dynamic electrocardiograms. Technology and Health Care, 2008, 16, 367-75.	0.5	1
173	Discriminability of single-trial EEG during decision-making of cooperation or aggression: a study based on machine learning. Medical and Biological Engineering and Computing, 2022, 60, 2217-2227.	1.6	1
174	Special Section on Bioinformatics and Computational Biology. IEEE Transactions on Nanobioscience, 2005, 4, 205-206.	2.2	0
175	Computational Approaches to Supporting Large-Scale Analysis of Photoreceptor-Enriched Gene Expression. , 2006, , .		0
176	Integrative Data Mining for Assessing International Conflict Events. , 2006, , .		0
177	Cluster Analysis of Regulatory Sequences with a Log Likelihood Ratio Statistics-based Similarity Measure. , 2007, , .		0
178	Computational prediction of protein interaction networks through supervised classification techniques. International Journal of Functional Informatics and Personalised Medicine, 2008, 1, 205.	0.4	0
179	Assessing the Most Effective Depth for PPI Analysis. , 2009, , .		0
180	Feature selection on chronic pain self reporting data. , 2009, , .		0

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181	Guest Commentary on Chapter 5: Advances in Biomarker Discovery with Gene Expression Data. , 0, , 89-92.		0
182	Incorporating semantic similarity into clustering process for identifying protein complexes from Affinity Purification/Mass Spectrometry data. , 2012, , .		0
183	Revealing hierarchical structure through simultaneous community detection across multiscale networks. , 2013, , .		0
184	Detection of protein complexes in protein interaction networks is improved through network-driven functional homogeneity analysis. , 2013, , .		0
185	An Animated Tutoring System for Interactive Learning of Nonlinear Data Structures. Innovations in Teaching and Learning in Information and Computer Sciences, 2013, 12, 39-48.	0.2	0
186	Drug resistance gene identification algorithm for next-generation sequencing data. , 2014, , .		0
187	Design and evaluation of a tool for reminiscence of life-logged data. , 2014, , .		0
188	An information theoretic approach to assessing gene-ontology-driven similarity and its application. International Journal of Data Mining and Bioinformatics, 2014, 9, 121.	0.1	0
189	A semi-automated food voting classification system: Combining user interaction and Support Vector Machines. , 2015, , .		0
190	Assessment of gait patterns of chronic low back pain patients: A smart mobile phone based approach. , 2015, , .		0
191	Thermal sensor based multi-occupancy motion tracking and visualisation in smart environments. , 2015, , .		0
192	Combining AR filter and sparse Wavelet representation for P300 speller. , 2015, , .		0
193	Integrating omics data for identifying disease subtypes: A multiplex network-based approach. , 2015, , .		0
194	A simple algorithm for identifying integrons and gene cassettes in bacteria on next generation sequencing data. International Journal of Data Mining and Bioinformatics, 2016, 14, 40.	0.1	0
195	A two-stage inference algorithm for gene regulation network models. International Journal of Computational Biology and Drug Design, 2016, 9, 6.	0.3	0
196	Analysis of Organization of the Interactome Using Dominating Sets: A Case Study on Cell Cycle Interaction Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 282-289.	1.9	0
197	Measurements of Accuracy in Biostatistics. , 2019, , 685-690.		0
198	A Phylogeny-aware Feature Ranking for Classification of Cattle Rumen Microbiome. , 2019, , .		0

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199	Editorial: Computational Learning Models and Methods Driven by Omics for Precision Medicine. <i>Frontiers in Genetics</i> , 2020, 11, 620976.	1.1	0
200	Multiscale network-based approaches in bioinformatics and biomedicine. <i>Methods</i> , 2020, 173, 1-2.	1.9	0
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