

Jugal Kumar Kalita

List of Publications by Year in descending order

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79
papers

2,964
citations

331670

21
h-index

197818

49
g-index

79
all docs

79
docs citations

79
times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Incremental Deep Neural Network Learning Using Classification Confidence Thresholding. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7706-7716.	11.3	8
2	Neural attention for image captioning: review of outstanding methods. Artificial Intelligence Review, 2022, 55, 3833-3862.	15.7	19
3	DEGnext: classification of differentially expressed genes from RNA-seq data using a convolutional neural network with transfer learning. BMC Bioinformatics, 2022, 23, 17.	2.6	15
4	UIPBC: An effective clustering for scRNA-seq data analysis without user input. Knowledge-Based Systems, 2022, 248, 108767.	7.1	0
5	A Survey of the Usages of Deep Learning for Natural Language Processing. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 604-624.	11.3	771
6	An Effective Semantic Code Clone Detection Framework Using Pairwise Feature Fusion. IEEE Access, 2021, 9, 84828-84844.	4.2	5
7	Identification of potential Parkinson's disease biomarkers using computational biology approaches. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	0
8	Rank-preserving biclustering algorithm: a case study on miRNA breast cancer. Medical and Biological Engineering and Computing, 2021, 59, 989-1004.	2.8	2
9	A Novel Unsupervised Computational Method for Ventricular and Supraventricular Origin Beats Classification. Applied Sciences (Switzerland), 2021, 11, 6711.	2.5	1
10	UICPC: Centrality-based clustering for scRNA-seq data analysis without user input. Computers in Biology and Medicine, 2021, 137, 104820.	7.0	4
11	UIFDBC: Effective density based clustering to find clusters of arbitrary shapes without user input. Expert Systems With Applications, 2021, 186, 115746.	7.6	12
12	BicGenesis: A Method to Identify ESCC Biomarkers Using the Biclustering Approach. Lecture Notes in Networks and Systems, 2021, , 1-14.	0.7	0
13	Character-level Adversarial Examples in Arabic. , 2021, , .		0
14	Assessing the Effectiveness of Causality Inference Methods for Gene Regulatory Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 56-70.	3.0	12
15	Improving the Reliability of Deep Neural Networks in NLP: A Review. Knowledge-Based Systems, 2020, 191, 105210.	7.1	90
16	Prioritizing disease biomarkers using functional module based network analysis: A multilayer consensus driven scheme. Computers in Biology and Medicine, 2020, 126, 104023.	7.0	7
17	Multi-task learning for natural language processing in the 2020s: Where are we going?. Pattern Recognition Letters, 2020, 136, 120-126.	4.2	35
18	X-Module: A novel fusion measure to associate co-expressed gene modules from condition-specific expression profiles. Journal of Biosciences, 2020, 45, 1.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Attention-Based Sequence Learning Model for Arabic Diacritic Restoration. , 2020, , .		4
20	Recent Progress on Text Summarization. , 2020, , .		5
21	Pre-Processing: A Data Preparation Step. , 2019, , 463-471.		6
22	Active learning to detect DDoS attack using ranked features. Computer Communications, 2019, 145, 203-222.	5.1	30
23	Comparison of Methods for Differential Co-expression Analysis for Disease Biomarker Prediction. Computers in Biology and Medicine, 2019, 113, 103380.	7.0	57
24	A data reduction scheme for active authentication of legitimate smartphone owner using informative apps ranking. Digital Communications and Networks, 2019, 5, 205-213.	5.0	5
25	(Differential) Co-Expression Analysis of Gene Expression: A Survey of Best Practices. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	3.0	34
26	A detection framework for semantic code clones and obfuscated code. Expert Systems With Applications, 2018, 97, 405-420.	7.6	28
27	Exploring Sentence Vector Spaces through Automatic Summarization. , 2018, , .		5
28	Word Sense Disambiguation for Arabic Exploiting Arabic WordNet and Word Embedding. Procedia Computer Science, 2018, 142, 50-60.	2.0	25
29	Noise Flooding for Detecting Audio Adversarial Examples Against Automatic Speech Recognition. , 2018, , .		26
30	Intrinsic-overlapping co-expression module detection with application to Alzheimer's Disease. Computational Biology and Chemistry, 2018, 77, 373-389.	2.3	16
31	Differential Expression Analysis of RNA-seq Reads: Overview, Taxonomy and Tools. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 17, 1-1.	3.0	14
32	THD-Tricluster: A robust triclustering technique and its application in condition specific change analysis in HIV-1 progression data. Computational Biology and Chemistry, 2018, 75, 154-167.	2.3	9
33	Overcoming the challenge for text classification in the open world. , 2017, , .		2
34	Disease biomarker identification from gene network modules for metastasized breast cancer. Scientific Reports, 2017, 7, 1072.	3.3	13
35	Complex detection from PPI data using ensemble method. Network Modeling Analysis in Health Informatics and Bioinformatics, 2017, 6, 1.	2.1	2
36	Predicting run time of classification algorithms using meta-learning. International Journal of Machine Learning and Cybernetics, 2017, 8, 1929-1943.	3.6	24

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37	Schemes for Labeling Semantic Code Clones using Machine Learning. , 2017, , .		4
38	Ranking most informative apps for effective identification of legitimate smartphone owners. , 2017, , .		0
39	Performing local network alignment by ensembling global aligners. , 2017, , .		3
40	Segmenting Twitter Hashtags. International Journal on Natural Language Computing, 2016, 5, 23-36.	0.2	11
41	Authentication of Smartphone Users Using Behavioral Biometrics. IEEE Communications Surveys and Tutorials, 2016, 18, 1998-2026.	39.4	141
42	Information Theoretic Approaches for Detecting Causality in Gene Regulatory Networks. , 2016, , .		1
43	A Fast Gene Expression Analysis using Parallel Biclustering and Distributed Triclustering Approach. , 2016, , .		8
44	Approaches and issues in view selection for materialising in data warehouse. International Journal of Business Information Systems, 2016, 21, 17.	0.2	8
45	Centrality analysis in PPI networks. , 2016, , .		7
46	A Gene Ontology based approach to protein complex detection. , 2016, , .		0
47	FFSc: a novel measure for lowâ€rate and highâ€rate DDoS attack detection using multivariate data analysis. Security and Communication Networks, 2016, 9, 2032-2041.	1.5	24
48	Code clone detection using coarse and fine-grained hybrid approaches. , 2015, , .		13
49	MODULA: A network module based local protein interaction network alignment method. , 2015, , .		5
50	Strew index. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	2.1	0
51	Selecting Machine Learning Algorithms Using Regression Models. , 2015, , .		32
52	A multiobjective memetic algorithm for PPI network alignment. Bioinformatics, 2015, 31, 1988-1998.	4.1	50
53	Network defense: Approaches, methods and techniques. Journal of Network and Computer Applications, 2015, 57, 71-84.	9.1	21
54	Analysis of Gene Expression Patterns Using Biclustering. Methods in Molecular Biology, 2015, 1375, 91-103.	0.9	3

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55	Botnet in DDoS Attacks: Trends and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 2242-2270.	39.4	176
56	Shifting-and-Scaling Correlation Based Biclustering Algorithm. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 1239-1252.	3.0	29
57	MIFS-ND: A mutual information-based feature selection method. Expert Systems With Applications, 2014, 41, 6371-6385.	7.6	307
58	Network attacks: Taxonomy, tools and systems. Journal of Network and Computer Applications, 2014, 40, 307-324.	9.1	162
59	A comparison of algorithms for the pairwise alignment of biological networks. Bioinformatics, 2014, 30, 2351-2359.	4.1	100
60	Reconstruction of gene co-expression network from microarray data using local expression patterns. BMC Bioinformatics, 2014, 15, S10.	2.6	75
61	CoBi: Pattern Based Co-Regulated Biclustering of Gene Expression Data. Pattern Recognition Letters, 2013, 34, 1669-1678.	4.2	30
62	Cutting Plane Training for Linear Support Vector Machines. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1186-1190.	5.7	8
63	Streaming trend detection in Twitter. International Journal of Web Based Communities, 2013, 9, 122.	0.3	119
64	A rough set-based effective rule generation method for classification with an application in intrusion detection. International Journal of Security and Networks, 2013, 8, 61.	0.2	16
65	Suffix stripping based NER in Assamese for location names. , 2012, , .		9
66	An effective method for network module extraction from microarray data. BMC Bioinformatics, 2012, 13, S4.	2.6	25
67	GERC: Tree Based Clustering for Gene Expression Data. , 2011, , .		13
68	Triclustering in gene expression data analysis: A selected survey. , 2011, , .		23
69	Gene expression data clustering analysis: A survey. , 2011, , .		7
70	Neuro-fuzzy time-series analysis of large-volume data. Intelligent Systems in Accounting, Finance and Management, 2011, 18, 39-57.	4.6	10
71	Comparing Twitter Summarization Algorithms for Multiple Post Summaries. , 2011, , .		102
72	Experiments in Microblog Summarization. , 2010, , .		86

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73	A Comparison of Approaches for Geospatial Entity Extraction from Wikipedia. , 2010, , .		8
74	Extracting Geospatial Entities from Wikipedia. , 2009, , .		4
75	A new approach for clustering gene expression time series data. International Journal of Bioinformatics Research and Applications, 2009, 5, 310.	0.2	14
76	Computational modelling and simulation of the immune system. International Journal of Bioinformatics Research and Applications, 2006, 2, 63.	0.2	17
77	AUTOMATED INFORMATION EXTRACTION FROM WEB PAGES USING AN INTERACTIVE LEARNING AGENT. , 2001, , .		1
78	Parsing and Interpretation in the Minimalist Paradigm. Computational Intelligence, 2000, 16, 378-407.	3.2	1
79	An Informal Semantic Analysis of Motion Verbs Based on Physical Primitives. Computational Intelligence, 1997, 13, 87-125.	3.2	3