

# Jugal Kumar Kalita

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	MIFS-ND: A mutual information-based feature selection method. Expert Systems With Applications, 2014, 41, 6371-6385.	7.6	307
3	Botnet in DDoS Attacks: Trends and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 2242-2270.	39.4	176
4	Network attacks: Taxonomy, tools and systems. Journal of Network and Computer Applications, 2014, 40, 307-324.	9.1	162
5	Authentication of Smartphone Users Using Behavioral Biometrics. IEEE Communications Surveys and Tutorials, 2016, 18, 1998-2026.	39.4	141
6	Streaming trend detection in Twitter. International Journal of Web Based Communities, 2013, 9, 122.	0.3	119
7	Comparing Twitter Summarization Algorithms for Multiple Post Summaries. , 2011, , .		102
8	A comparison of algorithms for the pairwise alignment of biological networks. Bioinformatics, 2014, 30, 2351-2359.	4.1	100
9	Improving the Reliability of Deep Neural Networks in NLP: A Review. Knowledge-Based Systems, 2020, 191, 105210.	7.1	90
10	Experiments in Microblog Summarization. , 2010, , .		86
11	Reconstruction of gene co-expression network from microarray data using local expression patterns. BMC Bioinformatics, 2014, 15, S10.	2.6	75
12	Comparison of Methods for Differential Co-expression Analysis for Disease Biomarker Prediction. Computers in Biology and Medicine, 2019, 113, 103380.	7.0	57
13	A multiobjective memetic algorithm for PPI network alignment. Bioinformatics, 2015, 31, 1988-1998.	4.1	50
14	Multi-task learning for natural language processing in the 2020s: Where are we going?. Pattern Recognition Letters, 2020, 136, 120-126.	4.2	35
15	(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
16	Selecting Machine Learning Algorithms Using Regression Models. , 2015, , .		32
17	CoBi: Pattern Based Co-Regulated Biclustering of Gene Expression Data. Pattern Recognition Letters, 2013, 34, 1669-1678.	4.2	30
18	Active learning to detect DDoS attack using ranked features. Computer Communications, 2019, 145, 203-222.	5.1	30

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19	Shifting-and-Scaling Correlation Based Biclustering Algorithm. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 1239-1252.	3.0	29
20	A detection framework for semantic code clones and obfuscated code. Expert Systems With Applications, 2018, 97, 405-420.	7.6	28
21	Noise Flooding for Detecting Audio Adversarial Examples Against Automatic Speech Recognition. , 2018, , .		26
22	An effective method for network module extraction from microarray data. BMC Bioinformatics, 2012, 13, S4.	2.6	25
23	Word Sense Disambiguation for Arabic Exploiting Arabic WordNet and Word Embedding. Procedia Computer Science, 2018, 142, 50-60.	2.0	25
24	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
25	Predicting run time of classification algorithms using meta-learning. International Journal of Machine Learning and Cybernetics, 2017, 8, 1929-1943.	3.6	24
26	Triclustering in gene expression data analysis: A selected survey. , 2011, , .		23
27	Network defense: Approaches, methods and techniques. Journal of Network and Computer Applications, 2015, 57, 71-84.	9.1	21
28	Neural attention for image captioning: review of outstanding methods. Artificial Intelligence Review, 2022, 55, 3833-3862.	15.7	19
29	Computational modelling and simulation of the immune system. International Journal of Bioinformatics Research and Applications, 2006, 2, 63.	0.2	17
30	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
31	Intrinsic-overlapping co-expression module detection with application to Alzheimer's Disease. Computational Biology and Chemistry, 2018, 77, 373-389.	2.3	16
32	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
33	A new approach for clustering gene expression time series data. International Journal of Bioinformatics Research and Applications, 2009, 5, 310.	0.2	14
34	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
35	GERC: Tree Based Clustering for Gene Expression Data. , 2011, , .		13
36	Code clone detection using coarse and fine-grained hybrid approaches. , 2015, , .		13

#	ARTICLE	IF	CITATIONS
37	Disease biomarker identification from gene network modules for metastasized breast cancer. Scientific Reports, 2017, 7, 1072.	3.3	13
38	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
39	UIFDBC: Effective density based clustering to find clusters of arbitrary shapes without user input. Expert Systems With Applications, 2021, 186, 115746.	7.6	12
40	Segmenting Twitter Hashtags. International Journal on Natural Language Computing, 2016, 5, 23-36.	0.2	11
41	Neuro-fuzzy time-series analysis of large-volume data. Intelligent Systems in Accounting, Finance and Management, 2011, 18, 39-57.	4.6	10
42	Suffix stripping based NER in Assamese for location names. , 2012, , .		9
43	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
44	A Comparison of Approaches for Geospatial Entity Extraction from Wikipedia. , 2010, , .		8
45	Cutting Plane Training for Linear Support Vector Machines. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1186-1190.	5.7	8
46	A Fast Gene Expression Analysis using Parallel Biclustering and Distributed Triclustering Approach. , 2016, , .		8
47	Approaches and issues in view selection for materialising in data warehouse. International Journal of Business Information Systems, 2016, 21, 17.	0.2	8
48	Incremental Deep Neural Network Learning Using Classification Confidence Thresholding. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7706-7716.	11.3	8
49	Gene expression data clustering analysis: A survey. , 2011, , .		7
50	Centrality analysis in PPI networks. , 2016, , .		7
51	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
52	Pre-Processing: A Data Preparation Step. , 2019, , 463-471.		6
53	MODULA: A network module based local protein interaction network alignment method. , 2015, , .		5
54	Exploring Sentence Vector Spaces through Automatic Summarization. , 2018, , .		5

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55	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
56	An Effective Semantic Code Clone Detection Framework Using Pairwise Feature Fusion. IEEE Access, 2021, 9, 84828-84844.	4.2	5
57	Recent Progress on Text Summarization. , 2020, , .		5
58	Extracting Geospatial Entities from Wikipedia. , 2009, , .		4
59	Schemes for Labeling Semantic Code Clones using Machine Learning. , 2017, , .		4
60	Attention-Based Sequence Learning Model for Arabic Diacritic Restoration. , 2020, , .		4
61	UICPC: Centrality-based clustering for scRNA-seq data analysis without user input. Computers in Biology and Medicine, 2021, 137, 104820.	7.0	4
62	An Informal Semantic Analysis of Motion Verbs Based on Physical Primitives. Computational Intelligence, 1997, 13, 87-125.	3.2	3
63	Analysis of Gene Expression Patterns Using Biclustering. Methods in Molecular Biology, 2015, 1375, 91-103.	0.9	3
64	Performing local network alignment by ensembling global aligners. , 2017, , .		3
65	Overcoming the challenge for text classification in the open world. , 2017, , .		2
66	Complex detection from PPI data using ensemble method. Network Modeling Analysis in Health Informatics and Bioinformatics, 2017, 6, 1.	2.1	2
67	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
68	Rank-preserving biclustering algorithm: a case study on miRNA breast cancer. Medical and Biological Engineering and Computing, 2021, 59, 989-1004.	2.8	2
69	Parsing and Interpretation in the Minimalist Paradigm. Computational Intelligence, 2000, 16, 378-407.	3.2	1
70	Information Theoretic Approaches for Detecting Causality in Gene Regulatory Networks. , 2016, , .		1
71	A Novel Unsupervised Computational Method for Ventricular and Supraventricular Origin Beats Classification. Applied Sciences (Switzerland), 2021, 11, 6711.	2.5	1
72	AUTOMATED INFORMATION EXTRACTION FROM WEB PAGES USING AN INTERACTIVE LEARNING AGENT. , 2001, , .		1

#	ARTICLE	IF	CITATIONS
73	Strew index. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	2.1	0
74	A Gene Ontology based approach to protein complex detection. , 2016, , .		0
75	Ranking most informative apps for effective identification of legitimate smartphone owners. , 2017, , .		0
76	Identification of potential Parkinsonâ€™s disease biomarkers using computational biology approaches. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 1.	2.1	0
77	BicGenesis: A Method to Identify ESCC Biomarkers Using the Biclustering Approach. Lecture Notes in Networks and Systems, 2021, , 1-14.	0.7	0
78	Character-level Adversarial Examples in Arabic. , 2021, , .		0
79	UIPBC: An effective clustering for scRNA-seq data analysis without user input. Knowledge-Based Systems, 2022, 248, 108767.	7.1	0