

# Akshi Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

116  
papers

2,226  
citations

279701

23  
h-index

276775

41  
g-index

119  
all docs

119  
docs citations

119  
times ranked

1211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical study of shallow and deep learning models for sarcasm detection using context in benchmark datasets. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 5327-5342.	3.3	22
2	Real-time emotional health detection using fine-tuned transfer networks with multimodal fusion. <i>Neural Computing and Applications</i> , 2023, 35, 22935-22948.	3.2	14
3	An Effective Learning Evaluation Method Based on Text Data with Real-time Attribution - A Case Study for Mathematical Class with Students of Junior Middle School in China. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , 2023, 22, 1-22.	1.3	10
4	Scalable intelligent data-driven decision making for cognitive cities. <i>Energy Systems</i> , 2022, 13, 581-599.	1.8	4
5	Multi-input integrative learning using deep neural networks and transfer learning for cyberbullying detection in real-time code-mix data. <i>Multimedia Systems</i> , 2022, 28, 2027-2041.	3.0	28
6	Sentic Computing for Aspect-Based Opinion Summarization Using Multi-Head Attention with Feature Pooled Pointer Generator Network. <i>Cognitive Computation</i> , 2022, 14, 130-148.	3.6	5
7	Multimodal cyberbullying detection using capsule network with dynamic routing and deep convolutional neural network. <i>Multimedia Systems</i> , 2022, 28, 2043-2052.	3.0	38
8	A Bi-GRU with attention and CapsNet hybrid model for cyberbullying detection on social media. <i>World Wide Web</i> , 2022, 25, 1537-1550.	2.7	33
9	Contextual semantics using hierarchical attention network for sentiment classification in social internet-of-things. <i>Multimedia Tools and Applications</i> , 2022, 81, 36967-36982.	2.6	3
10	Rumour detection using deep learning and filter-wrapper feature selection in benchmark twitter dataset. <i>Multimedia Tools and Applications</i> , 2022, 81, 34615-34632.	2.6	9
11	Cyberbullying-Mediated Depression Detection in Social Media Using Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 869-877.	0.5	2
12	CanarDeep: a hybrid deep neural model with mixed fusion for rumour detection in social data streams. <i>Neural Computing and Applications</i> , 2022, 34, 15129-15140.	3.2	6
13	Depress-DCNF: A deep convolutional neuro-fuzzy model for detection of depression episodes using IoMT. <i>Applied Soft Computing Journal</i> , 2022, 122, 108863.	4.1	16
14	MEmoR: A Multimodal Emotion Recognition using affective biomarkers for smart prediction of emotional health for people analytics in smart industries. <i>Image and Vision Computing</i> , 2022, 123, 104483.	2.7	19
15	TANA: The amalgam neural architecture for sarcasm detection in indian indigenous language combining LSTM and SVM with word-emoji embeddings. <i>Pattern Recognition Letters</i> , 2022, 160, 11-18.	2.6	9
16	Personality BERT: A Transformer-Based Model for Personality Detection from Textual Data. <i>Lecture Notes in Networks and Systems</i> , 2022, , 515-522.	0.5	4
17	A Parallel Military-Dog-Based Algorithm for Clustering Big Data in Cognitive Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2134-2142.	7.2	64
18	A Deep Swarm-Optimized Model for Leveraging Industrial Data Analytics in Cognitive Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2938-2946.	7.2	32

#	ARTICLE	IF	CITATIONS
19	Edge detection based on type-1 fuzzy logic and guided smoothening. <i>Evolving Systems</i> , 2021, 12, 447-462.	2.4	20
20	Sentiment Analysis as a Restricted NLP Problem. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2021, , 65-96.	0.3	2
21	Multimodal Cyberbullying Detection Using Ensemble Learning. <i>Communications in Computer and Information Science</i> , 2021, , 221-229.	0.4	0
22	Resolving Data Overload and Latency Issues in Multivariate Time-Series IoMT Data for Mental Health Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 25421-25428.	2.4	14
23	Hierarchical deep neural network for mental stress state detection using IoT based biomarkers. <i>Pattern Recognition Letters</i> , 2021, 145, 81-87.	2.6	54
24	Website Quality Analytics Using Metaheuristic Based Optimization. <i>Recent Advances in Computer Science and Communications</i> , 2021, 14, 895-915.	0.5	3
25	Sentiment Analysis Using XLM-R Transformer and Zero-shot Transfer Learning on Resource-poor Indian Language. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , 2021, 20, 1-13.	1.3	20
26	Explainable Artificial Intelligence for Sarcasm Detection in Dialogues. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-13.	0.8	12
27	Edge Detection in Digital Images Using Guided L0 Smoothen Filter and Fuzzy Logic. <i>Wireless Personal Communications</i> , 2021, 121, 2989-3007.	1.8	8
28	An Optimized Classification of Apps Reviews for Improving Requirement Engineering. <i>Recent Advances in Computer Science and Communications</i> , 2021, 14, 1390-1399.	0.5	3
29	Decision Making Using Machine Learning Based Opinion Prediction Model for Smart Governance. <i>Recent Advances in Computer Science and Communications</i> , 2021, 14, 1402-1411.	0.5	1
30	Genetically optimized Fuzzy C-means data clustering of IoMT-based biomarkers for fast affective state recognition in intelligent edge analytics. <i>Applied Soft Computing Journal</i> , 2021, 109, 107525.	4.1	22
31	Online Credit Card Fraud Analytics Using Machine Learning Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 107-120.	0.5	0
32	Text classification algorithms for mining unstructured data: a SWOT analysis. <i>International Journal of Information Technology (Singapore)</i> , 2020, 12, 1159-1169.	1.8	37
33	Socio-Sentic framework for sustainable agricultural governance. <i>Sustainable Computing: Informatics and Systems</i> , 2020, 28, 100274.	1.6	12
34	Systematic literature review of sentiment analysis on Twitter using soft computing techniques. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5107.	1.4	106
35	Systematic literature review on context-based sentiment analysis in social multimedia. <i>Multimedia Tools and Applications</i> , 2020, 79, 15349-15380.	2.6	37
36	An ANFIS-based compatibility scorecard for IoT integration in websites. <i>Journal of Supercomputing</i> , 2020, 76, 2568-2596.	2.4	5

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37	Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data. Information Processing and Management, 2020, 57, 102141.	5.4	125
38	Multimedia Social Big Data: Mining. Intelligent Systems Reference Library, 2020, , 289-321.	1.0	25
39	Edge Detection using Guided Image Filtering and Enhanced Ant Colony Optimization. Procedia Computer Science, 2020, 173, 8-17.	1.2	18
40	<i>Call for Special Issue Papers:</i> Soft Computing Models for Big Data and Internet of Things. Big Data, 2020, 8, 251-252.	2.1	0
41	ATT: Attention-based Timbre Transfer. , 2020, , .		2
42	Sentiment-Enhanced Content-Based System for Online Recommendations and Rating Prediction. International Journal of Gaming and Computer-Mediated Simulations, 2020, 12, 1-25.	0.9	2
43	Call for Special Issue Papers: Soft Computing Models for Big Data and Internet of Things. Big Data, 2020, 8, 169-170.	2.1	0
44	Sarcasm detection in mash-up language using soft-attention based bi-directional LSTM and feature-rich CNN. Applied Soft Computing Journal, 2020, 91, 106198.	4.1	98
45	Using cognition to resolve duplicacy issues in socially connected healthcare for smart cities. Computer Communications, 2020, 152, 272-281.	3.1	18
46	Reviewer Credibility and Sentiment Analysis Based User Profile Modelling for Online Product Recommendation. IEEE Access, 2020, 8, 26172-26189.	2.6	52
47	Tweet recommender model using adaptive neuro-fuzzy inference system. Future Generation Computer Systems, 2020, 112, 996-1009.	4.9	21
48	Ontology driven software development for automatic detection and updation of software requirement specifications. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 197-208.	0.5	2
49	si3-Industry: A Sustainable, Intelligent, Innovative, Internet-of-Things Industry. Advances in Science, Technology and Innovation, 2020, , 1-21.	0.2	27
50	Challenges Within the Industry 4.0 Setup. Advances in Science, Technology and Innovation, 2020, , 187-205.	0.2	7
51	Sarcasm Detection Using Feature-Variant Learning Models. Lecture Notes in Electrical Engineering, 2020, , 683-693.	0.3	2
52	Comparative Study on Swarm Based Algorithms for Feature Reduction in Twitter Sentiment Analysis on Figurative Language. Advances in Intelligent Systems and Computing, 2020, , 1-16.	0.5	2
53	Empirical Evaluation of Shallow and Deep Classifiers for Rumor Detection. Algorithms for Intelligent Systems, 2020, , 239-252.	0.5	5
54	PROD: A Potential Rumour Origin Detection Model Using Supervised Machine Learning. Algorithms for Intelligent Systems, 2020, , 1269-1276.	0.5	3

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55	Cyberbullying Checker: Online Bully Content Detection Using Hybrid Supervised Learning. Algorithms for Intelligent Systems, 2020, , 371-382.	0.5	8
56	The Multifaceted Concept of Context in Sentiment Analysis. Advances in Intelligent Systems and Computing, 2020, , 413-421.	0.5	4
57	Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization. , 2020, , .		3
58	Deep Learning Based Sentiment Classification on User-Generated Big Data. Recent Advances in Computer Science and Communications, 2020, 13, 1047-1056.	0.5	9
59	Particle Swarm Optimized Ensemble Learning for Enhanced Predictive Sentiment Accuracy of Tweets. Lecture Notes in Electrical Engineering, 2020, , 633-646.	0.3	4
60	Empirical Study of Soft Clustering Technique for Determining Click Through Rate in Online Advertising. Advances in Intelligent Systems and Computing, 2020, , 3-13.	0.5	2
61	Fine grain sentiment grading of user-generated big data using contextual cues. World Review of Entrepreneurship, Management and Sustainable Development, 2020, 16, 590.	0.2	0
62	Context Annotated Graph and Fuzzy Similarity Based Document Descriptor. Lecture Notes in Networks and Systems, 2020, , 725-737.	0.5	0
63	Deep Learning for Next-Generation Inventive Wireless Networks. Advances in Computational Intelligence and Robotics Book Series, 2020, , 183-199.	0.4	0
64	Public Opinion Mining Based Intelligent Governance for Next-Generation Technologies. Advances in Intelligent Systems and Computing, 2020, , 401-412.	0.5	0
65	Sarc-M: Sarcasm Detection in Typo-graphic Memes. SSRN Electronic Journal, 2019, , .	0.4	9
66	Swarm intelligence based optimal feature selection for enhanced predictive sentiment accuracy on twitter. Multimedia Tools and Applications, 2019, 78, 29529-29553.	2.6	31
67	Cyberbullying detection on social multimedia using soft computing techniques: a meta-analysis. Multimedia Tools and Applications, 2019, 78, 23973-24010.	2.6	48
68	A Filter-Wrapper based Feature Selection for Optimized Website Quality Prediction. , 2019, , .		7
69	Sentiment Analysis Using Cuckoo Search for Optimized Feature Selection on Kaggle Tweets. International Journal of Information Retrieval Research, 2019, 9, 1-15.	0.6	13
70	Rumour veracity detection on twitter using particle swarm optimized shallow classifiers. Multimedia Tools and Applications, 2019, 78, 24083-24101.	2.6	37
71	Sentiment analysis of multimodal twitter data. Multimedia Tools and Applications, 2019, 78, 24103-24119.	2.6	83
72	A Particle Swarm Optimized Learning Model of Fault Classification in Web-Apps. IEEE Access, 2019, 7, 18480-18489.	2.6	22

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73	Sarcasm Detection Using Soft Attention-Based Bidirectional Long Short-Term Memory Model With Convolution Network. IEEE Access, 2019, 7, 23319-23328.	2.6	109
74	Multi-document Summarization and Opinion Mining Using Stack Decoder Method and Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 61-78.	0.5	2
75	Empirical Analysis of Supervised Machine Learning Techniques for Cyberbullying Detection. Lecture Notes in Networks and Systems, 2019, , 223-230.	0.5	13
76	Rumor Detection Using Machine Learning Techniques on Social Media. Lecture Notes in Networks and Systems, 2019, , 213-221.	0.5	28
77	Opinion Mining of Saubhagya Yojna for Digital India. Lecture Notes in Networks and Systems, 2019, , 375-386.	0.5	6
78	Ontology Driven Social Big Data Analytics for Fog enabled Sentic-Social Governance. Scalable Computing, 2019, 20, 223-236.	0.7	5
79	SOOP: A Swarm-Optimized Opinion Prediction Model for S-Health Governance. Recent Patents on Computer Science, 2019, 12, 280-292.	0.5	1
80	Image Sentiment Analysis Using Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2018, , 464-473.	0.5	8
81	Paradigm shift from conventional software quality models to web based quality models. International Journal of Hybrid Intelligent Systems, 2018, 14, 167-179.	0.9	4
82	Analysis of GA Optimized ANN for Proactive Context Aware Recommender System. Advances in Intelligent Systems and Computing, 2018, , 92-102.	0.5	3
83	Opinion Extraction from Quora Using User-Biased Sentiment Analysis. Advances in Intelligent Systems and Computing, 2018, , 219-228.	0.5	2
84	Expert Finding in Community Question-Answering for Post Recommendation. International Journal of Engineering and Technology(UAE), 2018, 7, 151.	0.2	2
85	Machine Learning from Theory to Algorithms: An Overview. Journal of Physics: Conference Series, 2018, 1142, 012012.	0.3	278
86	A Survey of Deep Learning Techniques in Speech Recognition. , 2018, , .		22
87	Genre Classification using Feature Extraction and Deep Learning Techniques. , 2018, , .		5
88	Genre Classification using Word Embeddings and Deep Learning. , 2018, , .		6
89	Supported matrix factorization using distributed representations for personalised recommendations on twitter. Computers and Electrical Engineering, 2018, 71, 569-577.	3.0	12
90	Ontology Driven Sentiment Analysis on Social Web for Government Intelligence. , 2017, , .		20

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91	SentIndiGov-O. , 2017, , .		2
92	Performance analysis of keyword extraction algorithms assessing extractive text summarization. , 2017, , .		14
93	Classification of Faults in Web Applications using Machine Learning. , 2017, , .		3
94	Open problems in recommender systems diversity. , 2017, , .		2
95	A comprehensive study of TARS: Definition, metrics and advancements. , 2017, , .		0
96	An Intelligent Information Retrieval System for Finding Contextual Information on Twitter. , 2017, , .		0
97	Firefly Algorithm for Feature Selection in Sentiment Analysis. Advances in Intelligent Systems and Computing, 2017, , 693-703.	0.5	37
98	A Survey on Sentiment Analysis using Swarm Intelligence. Indian Journal of Science and Technology, 2016, 9, .	0.5	20
99	Ontologies for Software Engineering: Past, Present and Future. Indian Journal of Science and Technology, 2016, 9, .	0.5	29
100	SWOT Analysis of Ontology Driven Software Engineering. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
101	Optimal test sequence generation using River Formation Dynamics. , 2016, , .		0
102	Sentiment analysis using neural network. , 2016, , .		7
103	Empirical analysis of Machine Learning Techniques for context aware Recommender Systems in the environment of IoT. , 2016, , .		8
104	IndiGov-O: An ontology of Indian government to empower digital governance. , 2016, , .		2
105	Emotion analysis of Twitter using opinion mining. , 2015, , .		22
106	An ontology based framework for automatic detection and updation of requirement specifications. , 2014, , .		3
107	Alleviating Sparsity and Scalability Issues in Collaborative Filtering Based Recommender Systems. Advances in Intelligent Systems and Computing, 2013, , 103-112.	0.5	9
108	ComEx Miner: Expert Mining in Virtual Communities. International Journal of Advanced Computer Science and Applications, 2012, 3, .	0.5	12

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109	Sentiment Analysis: A Perspective on its Past, Present and Future. International Journal of Intelligent Systems and Applications, 2012, 4, 1-14.	0.9	90
110	Community Expert based Recommendation for solving First Rater Problem. International Journal of Computer Applications, 2012, 37, 7-13.	0.2	10
111	An Algorithmic Framework for Collaborative Interest Group Construction. Communications in Computer and Information Science, 2010, , 500-508.	0.4	4
112	QUERY REFORMULATION: AN INTERPLAY OF USER'S REFORMULATION BEHAVIOR AND THEMATIC CONTEXT IN ORIGINAL QUERY. , 2009, , .		0
113	Anxious Depression Prediction in Real-time Social Data. SSRN Electronic Journal, 0, , .	0.4	52
114	Real-Time Mental Health Analytics Using IoMT and Social Media Datasets: Research and Challenges. SSRN Electronic Journal, 0, , .	0.4	4
115	Prefaceâ€”special issue â€œEnergy Efficiency in Building using Intelligent computing for Smart Citiesâ€• Energy Systems, 0, , 1.	1.8	0
116	Leveraging crowd knowledge to curate documentation for agile software industry using deep learning and expert ranking. Multimedia Systems, 0, , 1.	3.0	1