Akshi Kumar

List of Publications by Year
in descending order

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	Machine Learning from Theory to Algorithms: An Overview. Journal of Physics: Conference Series, 2018, 1142, 012012.	0.3	278
2	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
3	Sarcasm Detection Using Soft Attention-Based Bidirectional Long Short-Term Memory Model With Convolution Network. IEEE Access, 2019, 7, 23319-23328.	2.6	109
4	Systematic literature review of sentiment analysis on Twitter using soft computing techniques. Concurrency Computation Practice and Experience, 2020, 32, e5107.	1.4	106
5	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
6	Sentiment Analysis: A Perspective on its Past, Present and Future. International Journal of Intelligent Systems and Applications, 2012, 4, 1-14.	0.9	90
7	Sentiment analysis of multimodal twitter data. Multimedia Tools and Applications, 2019, 78, 24103-24119.	2.6	83
8	A Parallel Military-Dog-Based Algorithm for Clustering Big Data in Cognitive Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 2134-2142.	7.2	64
9	Hierarchical deep neural network for mental stress state detection using IoT based biomarkers. Pattern Recognition Letters, 2021, 145, 81-87.	2.6	54
10	Anxious Depression Prediction in Real-time Social Data. SSRN Electronic Journal, 0, , .	0.4	52
11	Reviewer Credibility and Sentiment Analysis Based User Profile Modelling for Online Product Recommendation. IEEE Access, 2020, 8, 26172-26189.	2.6	52
12	Cyberbullying detection on social multimedia using soft computing techniques: a meta-analysis. Multimedia Tools and Applications, 2019, 78, 23973-24010.	2.6	48
13	Multimodal cyberbullying detection using capsule network with dynamic routing and deep convolutional neural network. Multimedia Systems, 2022, 28, 2043-2052.	3.0	38
14	Rumour veracity detection on twitter using particle swarm optimized shallow classifiers. Multimedia Tools and Applications, 2019, 78, 24083-24101.	2.6	37
15	Text classification algorithms for mining unstructured data: a SWOT analysis. International Journal of Information Technology (Singapore), 2020, 12, 1159-1169.	1.8	37
16	Systematic literature review on context-based sentiment analysis in social multimedia. Multimedia Tools and Applications, 2020, 79, 15349-15380.	2.6	37
17	Firefly Algorithm for Feature Selection in Sentiment Analysis. Advances in Intelligent Systems and Computing, 2017, , , 693-703.	0.5	37
18	A Bi-GRU with attention and CapsNet hybrid model for cyberbullying detection on social media. World Wide Web, 2022, 25, 1537-1550.	2.7	33

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19	A Deep Swarm-Optimized Model for Leveraging Industrial Data Analytics in Cognitive Manufacturing. IEEE Transactions on Industrial Informatics, 2021, 17, 2938-2946.	7.2	32
20	Swarm intelligence based optimal feature selection for enhanced predictive sentiment accuracy on twitter. Multimedia Tools and Applications, 2019, 78, 29529-29553.	2.6	31
21	Ontologies for Software Engineering: Past, Present and Future. Indian Journal of Science and Technology, 2016, 9, .	0.5	29
22	Multi-input integrative learning using deep neural networks and transfer learning for cyberbullying detection in real-time code-mix data. Multimedia Systems, 2022, 28, 2027-2041.	3.0	28
23	Rumor Detection Using Machine Learning Techniques on Social Media. Lecture Notes in Networks and Systems, 2019, , 213-221.	0.5	28
24	si3-Industry: A Sustainable, Intelligent, Innovative, Internet-of-Things Industry. Advances in Science, Technology and Innovation, 2020, , 1-21.	0.2	27
25	Multimedia Social Big Data: Mining. Intelligent Systems Reference Library, 2020, , 289-321.	1.0	25
26	Emotion analysis of Twitter using opinion mining. , 2015, , .		22
27	A Survey of Deep Learning Techniques in Speech Recognition. , 2018, , .		22
28	Empirical study of shallow and deep learning models for sarcasm detection using context in benchmark datasets. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5327-5342.	3.3	22
29	A Particle Swarm Optimized Learning Model of Fault Classification in Web-Apps. IEEE Access, 2019, 7, 18480-18489.	2.6	22
30	Genetically optimized Fuzzy C-means data clustering of IoMT-based biomarkers for fast affective state recognition in intelligent edge analytics. Applied Soft Computing Journal, 2021, 109, 107525.	4.1	22
31	Tweet recommender model using adaptive neuro-fuzzy inference system. Future Generation Computer Systems, 2020, 112, 996-1009.	4.9	21
32	A Survey on Sentiment Analysis using Swarm Intelligence. Indian Journal of Science and Technology, 2016, 9, .	0.5	20
33	Ontology Driven Sentiment Analysis on Social Web for Government Intelligence. , 2017, , .		20
34	Edge detection based on type-1 fuzzy logic and guided smoothening. Evolving Systems, 2021, 12, 447-462.	2.4	20
35	Sentiment Analysis Using XLM-R Transformer and Zero-shot Transfer Learning on Resource-poor Indian Language. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-13.	1.3	20
36	MEmoR: A Multimodal Emotion Recognition using affective biomarkers for smart prediction of emotional health for people analytics in smart industries. Image and Vision Computing, 2022, 123, 104483.	2.7	19

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37	Edge Detection using Guided Image Filtering and Enhanced Ant Colony Optimization. Procedia Computer Science, 2020, 173, 8-17.	1.2	18
38	Using cognition to resolve duplicacy issues in socially connected healthcare for smart cities. Computer Communications, 2020, 152, 272-281.	3.1	18
39	Depress-DCNF: A deep convolutional neuro-fuzzy model for detection of depression episodes using IoMT. Applied Soft Computing Journal, 2022, 122, 108863.	4.1	16
40	Performance analysis of keyword extraction algorithms assessing extractive text summarization. , 2017, , .		14
41	Resolving Data Overload and Latency Issues in Multivariate Time-Series IoMT Data for Mental Health Monitoring. IEEE Sensors Journal, 2021, 21, 25421-25428.	2.4	14
42	Real-time emotional health detection using fine-tuned transfer networks with multimodal fusion. Neural Computing and Applications, 2023, 35, 22935-22948.	3.2	14
43	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
44	Empirical Analysis of Supervised Machine Learning Techniques for Cyberbullying Detection. Lecture Notes in Networks and Systems, 2019, , 223-230.	0.5	13
45	Supported matrix factorization using distributed representations for personalised recommendations on twitter. Computers and Electrical Engineering, 2018, 71, 569-577.	3.0	12
46	Socio-Sentic framework for sustainable agricultural governance. Sustainable Computing: Informatics and Systems, 2020, 28, 100274.	1.6	12
47	Explainable Artificial Intelligence for Sarcasm Detection in Dialogues. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	0.8	12
48	ComEx Miner: Expert Mining in Virtual Communities. International Journal of Advanced Computer Science and Applications, 2012, 3, .	0.5	12
49	Community Expert based Recommendation for solving First Rater Problem. International Journal of Computer Applications, 2012, 37, 7-13.	0.2	10
50	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. ACM Transactions on Asian and Low-Resource Language Information Processing, 2023, 22, 1-22.	1.3	10
51	Sarc-M: Sarcasm Detection in Typo-graphic Memes. SSRN Electronic Journal, 2019, , .	0.4	9
52	Rumour detection using deep learning and filter-wrapper feature selection in benchmark twitter dataset. Multimedia Tools and Applications, 2022, 81, 34615-34632.	2.6	9
53	Alleviating Sparsity and Scalability Issues in Collaborative Filtering Based Recommender Systems. Advances in Intelligent Systems and Computing, 2013, , 103-112.	0.5	9
54	Deep Learning Based Sentiment Classification on User-Generated Big Data. Recent Advances in Computer Science and Communications, 2020, 13, 1047-1056.	0.5	9

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55	TANA: The amalgam neural architecture for sarcasm detection in indian indigenous language combining LSTM and SVM with word-emoji embeddings. Pattern Recognition Letters, 2022, 160, 11-18.	2.6	9
56	Empirical analysis of Machine Learning Techniques for context aware Recommender Systems in the environment of IoT. , 2016, , .		8
57	Image Sentiment Analysis Using Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2018, , 464-473.	0.5	8
58	Edge Detection in Digital Images Using Guided L0 Smoothen Filter and Fuzzy Logic. Wireless Personal Communications, 2021, 121, 2989-3007.	1.8	8
59	Cyberbullying Checker: Online Bully Content Detection Using Hybrid Supervised Learning. Algorithms for Intelligent Systems, 2020, , 371-382.	0.5	8
60	Sentiment analysis using neural network. , 2016, , .		7
61	A Filter-Wrapper based Feature Selection for Optimized Website Quality Prediction. , 2019, , .		7
62	Challenges Within the Industry 4.0 Setup. Advances in Science, Technology and Innovation, 2020, , 187-205.	0.2	7
63	Genre Classification using Word Embeddings and Deep Learning. , 2018, , .		6
64	Opinion Mining of Saubhagya Yojna for Digital India. Lecture Notes in Networks and Systems, 2019, , 375-386.	0.5	6
65	CanarDeep: a hybrid deep neural model with mixed fusion for rumour detection in social data streams. Neural Computing and Applications, 2022, 34, 15129-15140.	3.2	6
66	Genre Classification using Feature Extraction and Deep Learning Techniques. , 2018, , .		5
67	An ANFIS-based compatibility scorecard for IoT integration in websites. Journal of Supercomputing, 2020, 76, 2568-2596.	2.4	5
68	Sentic Computing for Aspect-Based Opinion Summarization Using Multi-Head Attention with Feature Pooled Pointer Generator Network. Cognitive Computation, 2022, 14, 130-148.	3.6	5
69	Empirical Evaluation of Shallow and Deep Classifiers for Rumor Detection. Algorithms for Intelligent Systems, 2020, , 239-252.	0.5	5
70	Ontology Driven Social Big Data Analytics for Fog enabled Sentic-Social Governance. Scalable Computing, 2019, 20, 223-236.	0.7	5
71	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
72	Scalable intelligent data-driven decision making for cognitive cities. Energy Systems, 2022, 13, 581-599.	1.8	4

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73	Real-Time Mental Health Analytics Using IoMT and Social Media Datasets: Research and Challenges. SSRN Electronic Journal, 0, , .	0.4	4
74	An Algorithmic Framework for Collaborative Interest Group Construction. Communications in Computer and Information Science, 2010, , 500-508.	0.4	4
75	The Multifaceted Concept of Context in Sentiment Analysis. Advances in Intelligent Systems and Computing, 2020, , 413-421.	0.5	4
76	Particle Swarm Optimized Ensemble Learning for Enhanced Predictive Sentiment Accuracy of Tweets. Lecture Notes in Electrical Engineering, 2020, , 633-646.	0.3	4
77	Personality BERT: A Transformer-Based Model for Personality Detection from Textual Data. Lecture Notes in Networks and Systems, 2022, , 515-522.	0.5	4
78	An ontology based framework for automatic detection and updation of requirement specifications. , 2014, , .		3
79	Classification of Faults in Web Applications using Machine Learning. , 2017, , .		3
80	Analysis of GA Optimized ANN for Proactive Context Aware Recommender System. Advances in Intelligent Systems and Computing, 2018, , 92-102.	0.5	3
81	Website Quality Analytics Using Metaheuristic Based Optimization. Recent Advances in Computer Science and Communications, 2021, 14, 895-915.	0.5	3
82	An Optimized Classification of Apps Reviews for Improving Requirement Engineering. Recent Advances in Computer Science and Communications, 2021, 14, 1390-1399.	0.5	3
83	Contextual semantics using hierarchical attention network for sentiment classification in social internet-of-things. Multimedia Tools and Applications, 2022, 81, 36967-36982.	2.6	3
84	PROD: A Potential Rumour Origin Detection Model Using Supervised Machine Learning. Algorithms for Intelligent Systems, 2020, , 1269-1276.	0.5	3
85	Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization. , 2020, , .		3
86	SWOT Analysis of Ontology Driven Software Engineering. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
87	SentIndiGov-O. , 2017, , .		2
88	Open problems in recommender systems diversity. , 2017, , .		2
89	Opinion Extraction from Quora Using User-Biased Sentiment Analysis. Advances in Intelligent Systems and Computing, 2018, , 219-228.	0.5	2
90	Expert Finding in Community Question-Answering for Post Recommendation. International Journal of Engineering and Technology(UAE), 2018, 7, 151.	0.2	2

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91	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
92	ATT: Attention-based Timbre Transfer. , 2020, , .		2
93	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
94	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
95	Sentiment Analysis as a Restricted NLP Problem. Advances in Business Information Systems and Analytics Book Series, 2021, , 65-96.	0.3	2
96	Cyberbullying-Mediated Depression Detection in Social Media Using Machine Learning. Advances in Intelligent Systems and Computing, 2022, , 869-877.	0.5	2
97	Sarcasm Detection Using Feature-Variant Learning Models. Lecture Notes in Electrical Engineering, 2020, , 683-693.	0.3	2
98	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
99	IndiGov-O: An ontology of Indian government to empower digital governance. , 2016, , .		2
100	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
101	Decision Making Using Machine Learning Based Opinion Prediction Model for Smart Governance. Recent Advances in Computer Science and Communications, 2021, 14, 1402-1411.	0.5	1
102	Leveraging crowd knowledge to curate documentation for agile software industry using deep learning and expert ranking. Multimedia Systems, 0, , 1.	3.0	1
103	SOOP: A Swarm-Optimized Opinion Prediction Model for S-Health Governance. Recent Patents on Computer Science, 2019, 12, 280-292.	0.5	1
104	Optimal test sequence generation using River Formation Dynamics. , 2016, , .		0
105	A comprehensive study of TARS: Definition, metrics and advancements. , 2017, , .		0
106	An Intelligent Information Retrieval System for Finding Contextual Information on Twitter. , 2017, , .		0
107	<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
108	Call for Special Issue Papers: Soft Computing Models for Big Data and Internet of Things. Big Data, 2020, 8, 169-170.	2.1	0

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109	Multimodal Cyberbullying Detection Using Ensemble Learning. Communications in Computer and Information Science, 2021, , 221-229.	0.4	0
110	Preface—special issue "Energy Efficiency in Building using Intelligent computing for Smart Cities". Energy Systems, 0, , 1.	1.8	0
111	QUERY REFORMULATION: AN INTERPLAY OF USER'S REFORMULATION BEHAVIOR AND THEMATIC CONTEXT IN ORIGINAL QUERY. , 2009, , .		0
112	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
113	Online Credit Card Fraud Analytics Using Machine Learning Techniques. Advances in Intelligent Systems and Computing, 2021, , 107-120.	0.5	0
114	Context Annotated Graph and Fuzzy Similarity ÂBased Document Descriptor. Lecture Notes in Networks and Systems, 2020, , 725-737.	0.5	0
115	Deep Learning for Next-Generation Inventive Wireless Networks. Advances in Computational Intelligence and Robotics Book Series, 2020, , 183-199.	0.4	0
116	Public Opinion Mining Based Intelligent Governance for Next-Generation Technologies. Advances in Intelligent Systems and Computing, 2020, , 401-412.	0.5	0