

# Munish Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

125  
papers

3,953  
citations

172207

29  
h-index

161609

54  
g-index

128  
all docs

128  
docs citations

128  
times ranked

1603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of shilling attack in recommender system for YouTube video statistics using machine learning techniques. <i>Soft Computing</i> , 2023, 27, 377-389.	2.1	6
2	Signature identification and verification techniques: state-of-the-art work. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 1027-1045.	3.3	12
3	A comprehensive survey on machine translation for English, Hindi and Sanskrit languages. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 3441-3474.	3.3	10
4	Transfer learning for image classification using VGG19: Caltech-101 image data set. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 3609-3620.	3.3	99
5	Performance evaluation of different features and classifiers for Gurumukhi newspaper text recognition. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10245-10261.	3.3	5
6	Image forgery techniques: a review. <i>Artificial Intelligence Review</i> , 2023, 56, 1577-1625.	9.7	14
7	Feature extraction and classification techniques for handwritten Devanagari text recognition: a survey. <i>Multimedia Tools and Applications</i> , 2023, 82, 747-775.	2.6	11
8	Recognition of offline handwritten Urdu characters using RNN and LSTM models. <i>Multimedia Tools and Applications</i> , 2023, 82, 2053-2076.	2.6	8
9	Feature Extraction Techniques for Gender Classification Based on Handwritten Text: A Critical Review. <i>Lecture Notes in Networks and Systems</i> , 2023, , 191-201.	0.5	1
10	Music mood and human emotion recognition based on physiological signals: a systematic review. <i>Multimedia Systems</i> , 2022, 28, 21-44.	3.0	27
11	A Systematic Survey on CAPTCHA Recognition: Types, Creation and Breaking Techniques. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 1107-1136.	6.0	16
12	Recent advancements in finger vein recognition technology: Methodology, challenges and opportunities. <i>Information Fusion</i> , 2022, 79, 84-109.	11.7	50
13	DS-CNN: A pre-trained Xception model based on depth-wise separable convolutional neural network for finger vein recognition. <i>Expert Systems With Applications</i> , 2022, 191, 116288.	4.4	82
14	Shi-Tomasi corner detector for cattle identification from muzzle print image pattern. <i>Ecological Informatics</i> , 2022, 68, 101549.	2.3	12
15	Semi-supervised labeling: a proposed methodology for labeling the twitter datasets. <i>Multimedia Tools and Applications</i> , 2022, 81, 7669-7683.	2.6	3
16	A comprehensive survey of image and video forgery techniques: variants, challenges, and future directions. <i>Multimedia Systems</i> , 2022, 28, 939-992.	3.0	15
17	Design of innovative CAPTCHA for hindi language. <i>Neural Computing and Applications</i> , 2022, 34, 4957-4992.	3.2	6
18	Artificial Intelligence for Cybersecurity: Recent Advancements, Challenges and Opportunities. <i>Studies in Computational Intelligence</i> , 2022, , 73-88.	0.7	1

#	ARTICLE	IF	CITATIONS
19	An efficient approach for copy-move image forgery detection using convolution neural network. Multimedia Tools and Applications, 2022, 81, 11259-11277.	2.6	21
20	Recommender system: prediction/diagnosis of breast cancer using hybrid machine learning algorithm. Multimedia Tools and Applications, 2022, 81, 9939-9948.	2.6	2
21	Computational intelligence in processing of speech acoustics: a survey. Complex & Intelligent Systems, 2022, 8, 2623-2661.	4.0	6
22	Cattle identification with muzzle pattern using computer vision technology: a critical review and prospective. Soft Computing, 2022, 26, 4771-4795.	2.1	3
23	Fruit quality evaluation using machine learning techniques: review, motivation and future perspectives. Multimedia Tools and Applications, 2022, 81, 16255-16277.	2.6	19
24	Automatic vehicle detection system in different environment conditions using fast R-CNN. Multimedia Tools and Applications, 2022, 81, 18715-18735.	2.6	30
25	Finger-vein presentation attack detection using depthwise separable convolution neural network. Expert Systems With Applications, 2022, 198, 116786.	4.4	18
26	Distortion, rotation and scale invariant recognition of hollow Hindi characters. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, .	0.8	10
27	Last Decade in Vehicle Detection and Classification: A Comprehensive Survey. Archives of Computational Methods in Engineering, 2022, 29, 5259-5296.	6.0	9
28	A deep learning approach for classification and diagnosis of Parkinson's disease. Soft Computing, 2022, 26, 9155-9165.	2.1	3
29	A Study on Source Device Attribution Using Still Images. Archives of Computational Methods in Engineering, 2021, 28, 2209-2223.	6.0	24
30	2D-human face recognition using SIFT and SURF descriptors of face's feature regions. Visual Computer, 2021, 37, 447-456.	2.5	110
31	2D Object Recognition Techniques: State-of-the-Art Work. Archives of Computational Methods in Engineering, 2021, 28, 1147-1161.	6.0	46
32	AutoSSR: an efficient approach for automatic spontaneous speech recognition model for the Punjabi Language. Soft Computing, 2021, 25, 1617-1630.	2.1	18
33	Text and graphics segmentation of newspapers printed in Gurmukhi script: a hybrid approach. Visual Computer, 2021, 37, 1637-1659.	2.5	16
34	Offline handwritten Gurumukhi word recognition using eXtreme Gradient Boosting methodology. Soft Computing, 2021, 25, 4451-4464.	2.1	23
35	An efficient technique for object recognition using Shi-Tomasi corner detection algorithm. Soft Computing, 2021, 25, 4423-4432.	2.1	78
36	Theoretical and empirical analysis of filter ranking methods: Experimental study on benchmark DNA microarray data. Expert Systems With Applications, 2021, 169, 114485.	4.4	27

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37	FEMT: a computational approach for fog elimination using multiple thresholds. Multimedia Tools and Applications, 2021, 80, 227-241.	2.6	5
38	AutoFER: PCA and PSO based automatic facial emotion recognition. Multimedia Tools and Applications, 2021, 80, 3039-3049.	2.6	36
39	Newspaper Text Recognition Printed in Gurumukhi Script: SVM Versus MLP. Studies in Autonomic, Data-driven and Industrial Computing, 2021, , 23-37.	0.4	3
40	On the recognition of offline handwritten word using holistic approach and AdaBoost methodology. Multimedia Tools and Applications, 2021, 80, 11155-11175.	2.6	20
41	2D object recognition: a comparative analysis of SIFT, SURF and ORB feature descriptors. Multimedia Tools and Applications, 2021, 80, 18839-18857.	2.6	126
42	A Systematic Review on Physiological-Based Biometric Recognition Systems: Current and Future Trends. Archives of Computational Methods in Engineering, 2021, 28, 4917-4960.	6.0	22
43	Gender Classification and Writer Identification System based on Handwriting in Gurumukhi Script. , 2021, , .		5
44	Hybrid local phase quantization and grey wolf optimization based SVM for finger vein recognition. Multimedia Tools and Applications, 2021, 80, 15233-15271.	2.6	16
45	Recognition of online handwritten Gurmukhi characters using recurrent neural network classifier. Soft Computing, 2021, 25, 6329-6338.	2.1	13
46	An efficient method of multicolor detection using global optimum thresholding for image analysis. Multimedia Tools and Applications, 2021, 80, 18969-18991.	2.6	5
47	Gait recognition based on vision systems: A systematic survey. Journal of Visual Communication and Image Representation, 2021, 75, 103052.	1.7	37
48	Face mask detection using YOLOv3 and faster R-CNN models: COVID-19 environment. Multimedia Tools and Applications, 2021, 80, 19753-19768.	2.6	160
49	DeepNetDevanagari: a deep learning model for Devanagari ancient character recognition. Multimedia Tools and Applications, 2021, 80, 20671-20686.	2.6	47
50	Prediction of the mortality rate and framework for remote monitoring of pregnant women based on IoT. Multimedia Tools and Applications, 2021, 80, 24555.	2.6	2
51	A Novel Attack on Monochrome and Greyscale Devanagari CAPTCHAs. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-30.	1.3	15
52	UrduDeepNet: offline handwritten Urdu character recognition using deep neural network. Neural Computing and Applications, 2021, 33, 15229-15252.	3.2	29
53	Improved recognition results of offline handwritten Gurumukhi characters using hybrid features and adaptive boosting. Soft Computing, 2021, 25, 11589-11601.	2.1	8
54	PCA-based gender classification system using hybridization of features and classification techniques. Soft Computing, 2021, 25, 15281-15295.	2.1	9

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55	Fusion of Handcrafted and Deep Features for Forgery Detection in Digital Images. IEEE Access, 2021, 9, 99742-99755.	2.6	37
56	Face detection in still images under occlusion and non-uniform illumination. Multimedia Tools and Applications, 2021, 80, 14565-14590.	2.6	54
57	Performance Comparison of Various Feature Extraction Methods for Object Recognition on Caltech-101 Image Dataset. Lecture Notes in Electrical Engineering, 2021, , 289-303.	0.3	1
58	Performance Evaluation of Various Feature Selection Techniques for Offline Handwritten Gurumukhi Place Name Recognition. Studies in Autonomic, Data-driven and Industrial Computing, 2021, , 559-571.	0.4	3
59	Intrusion detection techniques in network environment: a systematic review. Wireless Networks, 2021, 27, 1269-1285.	2.0	26
60	XGBoost: 2D-Object Recognition Using Shape Descriptors and Extreme Gradient Boosting Classifier. Advances in Intelligent Systems and Computing, 2021, , 207-222.	0.5	26
61	TxtLineSeg: Text Line Segmentation of Unconstrained Printed Text in Devanagari Script. Advances in Intelligent Systems and Computing, 2021, , 85-100.	0.5	2
62	Line Segmentation of Devanagari Ancient Manuscripts. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2020, 90, 717-724.	0.8	4
63	A Survey of Deep Learning and Its Applications: A New Paradigm to Machine Learning. Archives of Computational Methods in Engineering, 2020, 27, 1071-1092.	6.0	531
64	Performance evaluation of classifiers for the recognition of offline handwritten Gurmukhi characters and numerals: a study. Artificial Intelligence Review, 2020, 53, 2075-2097.	9.7	53
65	A Study on Recognition of Pre-segmented Handwritten Multi-lingual Characters. Archives of Computational Methods in Engineering, 2020, 27, 577-589.	6.0	13
66	Content-based image retrieval system using ORB and SIFT features. Neural Computing and Applications, 2020, 32, 2725-2733.	3.2	103
67	ASRoIL: a comprehensive survey for automatic speech recognition of Indian languages. Artificial Intelligence Review, 2020, 53, 3673-3704.	9.7	25
68	Forensic document examination system using boosting and bagging methodologies. Soft Computing, 2020, 24, 5409-5426.	2.1	21
69	Newspaper text recognition of Gurumukhi script using random forest classifier. Multimedia Tools and Applications, 2020, 79, 7435-7448.	2.6	11
70	Writer identification system for pre-segmented offline handwritten Devanagari characters using k-NN and SVM. Soft Computing, 2020, 24, 10111-10122.	2.1	20
71	A comprehensive survey on the biometric recognition systems based on physiological and behavioral modalities. Expert Systems With Applications, 2020, 143, 113114.	4.4	138
72	On the recognition of Devanagari ancient handwritten characters using SIFT and Gabor features. Soft Computing, 2020, 24, 17279-17289.	2.1	38

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73	A computational approach for printed document forensics using SURF and ORB features. Soft Computing, 2020, 24, 13197-13208.	2.1	15
74	Ancient text recognition: a review. Artificial Intelligence Review, 2020, 53, 5517-5558.	9.7	25
75	Time series data analysis of stock price movement using machine learning techniques. Soft Computing, 2020, 24, 16509-16517.	2.1	48
76	A Benchmark Dataset of Online Handwritten Gurmukhi Script Words and Numerals. Communications in Computer and Information Science, 2020, , 457-466.	0.4	3
77	SPREADING OF COVID-19 IN INDIA, ITALY, JAPAN, SPAIN, UK, US. Digital Government Research and Practice (DGOV), 2020, 1, 1-9.	1.2	30
78	Writer Identification System Based on Offline Handwritten Text in Gurumukhi Script. , 2020, , .		3
79	Face detection techniques: a review. Artificial Intelligence Review, 2019, 52, 927-948.	9.7	229
80	Benchmark Datasets for Offline Handwritten Gurmukhi Script Recognition. Communications in Computer and Information Science, 2019, , 143-151.	0.4	6
81	Benchmark Dataset: Offline Handwritten Gurmukhi City Names for Postal Automation. Communications in Computer and Information Science, 2019, , 152-159.	0.4	8
82	Improved object recognition results using SIFT and ORB feature detector. Multimedia Tools and Applications, 2019, 78, 34157-34171.	2.6	58
83	Recognition of newspaper printed in Gurumukhi script. Journal of Central South University, 2019, 26, 2495-2503.	1.2	2
84	Plant Species Recognition Using Morphological Features and Adaptive Boosting Methodology. IEEE Access, 2019, 7, 163912-163918.	2.6	58
85	Devanagari ancient documents recognition using statistical feature extraction techniques. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	24
86	Drop flow method: an iterative algorithm for complete segmentation of Devanagari ancient manuscripts. Multimedia Tools and Applications, 2019, 78, 23255-23280.	2.6	11
87	An efficient page ranking approach based on vector norms using sNorm(p) algorithm. Information Processing and Management, 2019, 56, 1053-1066.	5.4	13
88	Devanagari ancient character recognition using DCT features with adaptive boosting and bootstrap aggregating. Soft Computing, 2019, 23, 13603-13614.	2.1	22
89	A healthcare monitoring system using random forest and internet of things (IoT). Multimedia Tools and Applications, 2019, 78, 19905-19916.	2.6	178
90	Fusion of RGB and HSV colour space for foggy image quality enhancement. Multimedia Tools and Applications, 2019, 78, 9791-9799.	2.6	15

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91	Improved Recognition Results of Medieval Handwritten Gurmukhi Manuscripts Using Boosting and Bagging Methodologies. <i>Neural Processing Letters</i> , 2019, 50, 43-56.	2.0	42
92	Writer Identification System for Indic and Non-Indic Scripts: State-of-the-Art Survey. <i>Archives of Computational Methods in Engineering</i> , 2019, 26, 1283-1311.	6.0	28
93	Character and numeral recognition for non-Indic and Indic scripts: a survey. <i>Artificial Intelligence Review</i> , 2019, 52, 2235-2261.	9.7	52
94	Offline Handwritten Numeral Recognition using Combination of Different Feature Extraction Techniques. <i>The National Academy of Sciences, India</i> , 2018, 41, 29-33.	0.8	12
95	An efficient content based image retrieval system using BayesNet and K-NN. <i>Multimedia Tools and Applications</i> , 2018, 77, 21557-21570.	2.6	60
96	Writer Identification System for Handwritten Gurmukhi Characters: Study of Different Feature-Classifer Combinations. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2018, , 125-131.	0.5	10
97	Underwater image enhancement using blending of CLAHE and percentile methodologies. <i>Multimedia Tools and Applications</i> , 2018, 77, 26545-26561.	2.6	92
98	Pulmonary Lesion Detection and Staging from CT Images Using Watershed Algorithm. , 2018, , .		0
99	Zone Segmentation of a Text Line Printed in Gurmukhi Script Newspaper. , 2018, , .		2
100	Performance Comparison of Several Feature Selection Techniques for Offline Handwritten Character Recognition. , 2018, , .		11
101	A novel framework for writer identification based on pre-segmented Gurmukhi characters. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	10
102	Facial Emotion Recognition System Based on PCA and Gradient Features. <i>The National Academy of Sciences, India</i> , 2018, 41, 365-368.	0.8	21
103	A comprehensive survey on word recognition for non-Indic and Indic scripts. <i>Pattern Analysis and Applications</i> , 2018, 21, 897-929.	3.1	22
104	A Novel Technique for Line Segmentation in Offline Handwritten Gurmukhi Script Documents. <i>The National Academy of Sciences, India</i> , 2017, 40, 273-277.	0.8	5
105	Offline Handwritten Gurmukhi Character Recognition: Analytical Study of Different Transformations. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 137-143.	0.8	24
106	Title is missing!. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-8.	0.5	5
107	A Novel Framework for Grading of Writers Using Offline Gurmukhi Characters. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2016, 86, 405-415.	0.8	7
108	Object detection using multiple shape-based features. , 2016, , .		5

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109	Offline handwritten pre-segmented character recognition of Gurmukhi script. Machine Graphics and Vision, 2016, 25, 45-55.	0.0	6
110	Clustering of Multi Scripts Isolated Characters Using k-Means Algorithm. International Journal of Mathematical Sciences and Computing, 2015, 1, 22-29.	0.7	2
111	A Novel Hierarchical Technique for Offline Handwritten Gurmukhi Character Recognition. The National Academy of Sciences, India, 2014, 37, 567-572.	0.8	33
112	Segmentation of Isolated and Touching Characters in Offline Handwritten Gurmukhi Script Recognition. International Journal of Information Technology and Computer Science, 2014, 6, 58-63.	0.8	29
113	Efficient Feature Extraction Techniques for Offline Handwritten Gurmukhi Character Recognition. The National Academy of Sciences, India, 2014, 37, 381-391.	0.8	41
114	Weka-Based Classification Techniques for Offline Handwritten Gurmukhi Character Recognition. Advances in Intelligent Systems and Computing, 2014, , 711-720.	0.5	4
115	A novel feature extraction technique for offline handwritten Gurmukhi character recognition. IETE Journal of Research, 2013, 59, 687.	1.8	27
116	PCA-based Offline Handwritten Character Recognition System. The Smart Computing Review, 2013, 3, .	0.4	14
117	MDP Feature Extraction Technique for Offline Handwritten Gurmukhi Character Recognition. The Smart Computing Review, 2013, 3, .	0.4	9
118	Offline handwritten Gurmukhi character recognition. , 2012, , .		26
119	Classification of characters and grading writers in offline handwritten Gurmukhi script. , 2011, , .		17
120	k-nearest neighbor based offline handwritten Gurmukhi character recognition. , 2011, , .		53
121	Review on OCR for Handwritten Indian Scripts Character Recognition. Communications in Computer and Information Science, 2011, , 268-276.	0.4	17
122	Segmentation of lines and words in handwritten Gurmukhi script documents. , 2010, , .		9
123	A New Approach for Web Page Ranking Solution: sNorm (p) Algorithm. International Journal of Computer Applications, 2010, 9, 20-23.	0.2	1
124	Comparing the Effectiveness of PAGERANK, HITS and sNorm (p) Web Page Ranking Algorithms. International Journal of Computer Applications, 2010, 11, 1-4.	0.2	1
125	LineSeg: line segmentation of scanned newspaper documents. Pattern Analysis and Applications, 0, , 1.	3.1	1