

Pawan Kumar Singh

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

3,191
citations

201385

27
h-index

174990

52
g-index

108
all docs

108
docs citations

108
times ranked

2418
citing authors

#	ARTICLE	IF	CITATIONS
1	A benchmark study on the thermal conductivity of nanofluids. Journal of Applied Physics, 2009, 106, .	1.1	897
2	Thermal conductivity enhancement of nanofluids containing graphene nanosheets. Journal of Applied Physics, 2011, 110, .	1.1	169
3	Improved Binary Sailfish Optimizer Based on Adaptive \hat{I}^2 -Hill Climbing for Feature Selection. IEEE Access, 2020, 8, 83548-83560.	2.6	80
4	Unlocking the genetic diversity of Creole wheats. Scientific Reports, 2016, 6, 23092.	1.6	75
5	Mayfly in Harmony: A New Hybrid Meta-Heuristic Feature Selection Algorithm. IEEE Access, 2020, 8, 195929-195945.	2.6	72
6	EnsemConvNet: a deep learning approach for human activity recognition using smartphone sensors for healthcare applications. Multimedia Tools and Applications, 2020, 79, 31663-31690.	2.6	72
7	QTL Characterization of Fusarium Head Blight Resistance in CIMMYT Bread Wheat Line Soru#1. PLoS ONE, 2016, 11, e0158052.	1.1	69
8	A union of deep learning and swarm-based optimization for 3D human action recognition. Scientific Reports, 2022, 12, 5494.	1.6	67
9	A Tri-Stage Wrapper-Filter Feature Selection Framework for Disease Classification. Sensors, 2021, 21, 5571.	2.1	66
10	Fuzzy Integral-Based CNN Classifier Fusion for 3D Skeleton Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2206-2216.	5.6	62
11	Fuzzy rank-based fusion of CNN models using Gompertz function for screening COVID-19 CT-scans. Scientific Reports, 2021, 11, 14133.	1.6	60
12	Binary Social Mimic Optimization Algorithm With X-Shaped Transfer Function for Feature Selection. IEEE Access, 2020, 8, 97890-97906.	2.6	56
13	Late Acceptance Hill Climbing Based Social Ski Driver Algorithm for Feature Selection. IEEE Access, 2020, 8, 75393-75408.	2.6	47
14	ET-NET: an ensemble of transfer learning models for prediction of COVID-19 infection through chest CT-scan images. Multimedia Tools and Applications, 2022, 81, 31-50.	2.6	47
15	CGA: a new feature selection model for visual human action recognition. Neural Computing and Applications, 2021, 33, 5267-5286.	3.2	44
16	Ensem-HAR: An Ensemble Deep Learning Model for Smartphone Sensor-Based Human Activity Recognition for Measurement of Elderly Health Monitoring. Biosensors, 2022, 12, 393.	2.3	44
17	A Hybrid Meta-Heuristic Feature Selection Method Using Golden Ratio and Equilibrium Optimization Algorithms for Speech Emotion Recognition. IEEE Access, 2020, 8, 200953-200970.	2.6	42
18	Feature Selection for Facial Emotion Recognition Using Cosine Similarity-Based Harmony Search Algorithm. Applied Sciences (Switzerland), 2020, 10, 2816.	1.3	42

#	ARTICLE	IF	CITATIONS
19	A New Framework for Smartphone Sensor-Based Human Activity Recognition Using Graph Neural Network. <i>IEEE Sensors Journal</i> , 2021, 21, 11461-11468.	2.4	40
20	TLEFuzzyNet: Fuzzy Rank-Based Ensemble of Transfer Learning Models for Emotion Recognition From Human Speeches. <i>IEEE Access</i> , 2021, 9, 166518-166530.	2.6	37
21	Hybrid of Harmony Search Algorithm and Ring Theory-Based Evolutionary Algorithm for Feature Selection. <i>IEEE Access</i> , 2020, 8, 102629-102645.	2.6	36
22	COVID-19 detection from lung CT-Scans using a fuzzy integral-based CNN ensemble. <i>Computers in Biology and Medicine</i> , 2021, 138, 104895.	3.9	35
23	COVID-19 Detection by Optimizing Deep Residual Features with Improved Clustering-Based Golden Ratio Optimizer. <i>Diagnostics</i> , 2021, 11, 315.	1.3	33
24	DRDA-Net: Dense residual dual-shuffle attention network for breast cancer classification using histopathological images. <i>Computers in Biology and Medicine</i> , 2022, 145, 105437.	3.9	32
25	Offline Script Identification from multilingual Indic-script documents: A state-of-the-art. <i>Computer Science Review</i> , 2015, 15-16, 1-28.	10.2	31
26	Significance of non-parametric statistical tests for comparison of classifiers over multiple datasets. <i>International Journal of Computing Science and Mathematics</i> , 2016, 7, 410.	0.2	31
27	Characterization of Fusarium head blight resistance in a CIMMYT synthetic-derived bread wheat line. <i>Euphytica</i> , 2016, 208, 367-375.	0.6	31
28	Revise-Net: Exploiting Reverse Attention Mechanism for Salient Object Detection. <i>Remote Sensing</i> , 2021, 13, 4941.	1.8	31
29	A Hybrid Meta-Heuristic Feature Selection Method for Identification of Indian Spoken Languages From Audio Signals. <i>IEEE Access</i> , 2020, 8, 181432-181449.	2.6	29
30	FuzzyGCP: A deep learning architecture for automatic spoken language identification from speech signals. <i>Expert Systems With Applications</i> , 2021, 168, 114416.	4.4	29
31	Transfer learning with fine tuning for human action recognition from still images. <i>Multimedia Tools and Applications</i> , 2021, 80, 20547-20578.	2.6	27
32	Genomic Bayesian Prediction Model for Count Data with Genotype \times Environment Interaction. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1165-1177.	0.8	26
33	A Harmony Search Based Wrapper Feature Selection Method for Holistic Bangla Word Recognition. <i>Procedia Computer Science</i> , 2016, 89, 395-403.	1.2	23
34	Benchmark databases of handwritten Bangla-Roman and Devanagari-Roman mixed-script document images. <i>Multimedia Tools and Applications</i> , 2018, 77, 8441-8473.	2.6	23
35	Hybrid Feature Selection Method Based on Harmony Search and Naked Mole-Rat Algorithms for Spoken Language Identification From Audio Signals. <i>IEEE Access</i> , 2020, 8, 182868-182887.	2.6	23
36	A Study of Moment Based Features on Handwritten Digit Recognition. <i>Applied Computational Intelligence and Soft Computing</i> , 2016, 2016, 1-17.	1.6	22

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37	EHHM: Electrical Harmony Based Hybrid Meta-Heuristic for Feature Selection. IEEE Access, 2020, 8, 158125-158141.	2.6	22
38	MMHAR-EnsemNet: A Multi-Modal Human Activity Recognition Model. IEEE Sensors Journal, 2021, 21, 11569-11576.	2.4	21
39	Statistical comparison of classifiers for script identification from multi-script handwritten documents. International Journal of Applied Pattern Recognition, 2014, 1, 152.	0.3	19
40	Statistical validation of multiple classifiers over multiple datasets in the field of pattern recognition. International Journal of Applied Pattern Recognition, 2015, 2, 1.	0.3	19
41	Feature Selection Using Histogram-Based Multi-objective GA for Handwritten Devanagari Numeral Recognition. Advances in Intelligent Systems and Computing, 2018, , 471-479.	0.5	19
42	GRA_Net: A Deep Learning Model for Classification of Age and Gender From Facial Images. IEEE Access, 2021, 9, 85672-85689.	2.6	19
43	COFE-Net: An ensemble strategy for Computer-Aided Detection for COVID-19. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110289.	2.5	19
44	Genomic Prediction Models for Count Data. Journal of Agricultural, Biological, and Environmental Statistics, 2015, 20, 533-554.	0.7	18
45	A clustering-based feature selection framework for handwritten Indic script classification. Expert Systems, 2019, 36, e12459.	2.9	17
46	A histogram based fuzzy ensemble technique for feature selection. Evolutionary Intelligence, 2019, 12, 713-724.	2.3	16
47	Language-invariant novel feature descriptors for handwritten numeral recognition. Visual Computer, 2021, 37, 1781-1803.	2.5	16
48	3D Human Action Recognition: Through the eyes of researchers. Expert Systems With Applications, 2022, 193, 116424.	4.4	16
49	Word-level script identification for handwritten Indic scripts. , 2015, , .		15
50	Page-level script identification from multi-script handwritten documents. , 2015, , .		15
51	Application of Structural and Topological Features to Recognize Online Handwritten Bangla Characters. ACM Transactions on Asian and Low-Resource Language Information Processing, 2018, 17, 1-16.	1.3	15
52	Page-level handwritten script identification using modified log-Gabor filter based features. , 2015, , .		14
53	Pneumonia detection from lung X-ray images using local search aided sine cosine algorithm based deep feature selection method. International Journal of Intelligent Systems, 2022, 37, 3777-3814.	3.3	14
54	Automatic spoken language identification using MFCC based time series features. Multimedia Tools and Applications, 2023, 82, 9565-9595.	2.6	14

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55	A comprehensive handwritten Indic script recognition system: a tree-based approach. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 943-960.	3.3	13
56	A Study of Different Classifier Combination Approaches for Handwritten Indic Script Recognition. Journal of Imaging, 2018, 4, 39.	1.7	13
57	Understanding NFC-Net: a deep learning approach to word-level handwritten Indic script recognition. Neural Computing and Applications, 2020, 32, 7879-7895.	3.2	13
58	COVID-19 chest X-ray detection through blending ensemble of CNN snapshots. Biomedical Signal Processing and Control, 2022, 78, 104000.	3.5	13
59	A simple and effective expert system for schizophrenia detection. International Journal of Intelligent Systems Technologies and Applications, 2015, 14, 27.	0.2	12
60	M-HMOGA: A New Multi-Objective Feature Selection Algorithm for Handwritten Numeral Classification. Journal of Intelligent Systems, 2019, 29, 1453-1467.	1.2	12
61	Identification of Devnagari and Roman Scripts from Multi-script Handwritten Documents. Lecture Notes in Computer Science, 2013, , 509-514.	1.0	12
62	MRFGR0: a hybrid meta-heuristic feature selection method for screening COVID-19 using deep features. Scientific Reports, 2021, 11, 24065.	1.6	12
63	Hough Transform-Based Angular Features for Learning-Free Handwritten Keyword Spotting. Sensors, 2021, 21, 4648.	2.1	11
64	Recognition of Handwritten Indic Script Numerals Using Mojette Transform. Advances in Intelligent Systems and Computing, 2017, , 459-466.	0.5	10
65	Word-Level Script Identification from Handwritten Multi-script Documents. Advances in Intelligent Systems and Computing, 2015, , 551-558.	0.5	10
66	Progress of Human Action Recognition Research in the Last Ten Years: A Comprehensive Survey. Archives of Computational Methods in Engineering, 2022, 29, 2309-2349.	6.0	10
67	A feature selection model for speech emotion recognition using clustering-based population generation with hybrid of equilibrium optimizer and atom search optimization algorithm. Multimedia Tools and Applications, 2023, 82, 9693-9726.	2.6	10
68	Recognition of offline handwritten Devanagari numerals using regional weighted run length features. , 2016, , .		9
69	Last Decade in Vehicle Detection and Classification: A Comprehensive Survey. Archives of Computational Methods in Engineering, 2022, 29, 5259-5296.	6.0	9
70	Feature Selection Using Harmony Search for Script Identification from Handwritten Document Images. Journal of Intelligent Systems, 2018, 27, 465-488.	1.2	8
71	Correlation-based classifier combination in the field of pattern recognition. Computational Intelligence, 2018, 34, 839-874.	2.1	8
72	HP_DocPres: a method for classifying printed and handwritten texts in doctor's prescriptions. Multimedia Tools and Applications, 2021, 80, 9779-9812.	2.6	8

#	ARTICLE	IF	CITATIONS
73	A Texture Based Approach to Word-Level Script Identification from Multi-script Handwritten Documents. , 2014, , .		7
74	Application of daisy descriptor for language identification in the wild. Multimedia Tools and Applications, 2021, 80, 323-344.	2.6	7
75	A Hybrid Swarm and Gravitation-based feature selection algorithm for handwritten Indic script classification problem. Complex & Intelligent Systems, 2021, 7, 823-839.	4.0	7
76	A comprehensive survey on <i>Bangla&/i> handwritten numeral recognition. International Journal of Applied Pattern Recognition, 2018, 5, 55.	0.3	6
77	Spoken Language Identification of Indian Languages Using MFCC Features. Studies in Big Data, 2021, , 249-272.	0.8	6
78	A new feature extraction approach for script invariant handwritten numeral recognition. Expert Systems, 2021, 38, e12699.	2.9	6
79	SV-NET: A Deep Learning Approach to Video Based Human Activity Recognition. Advances in Intelligent Systems and Computing, 2021, , 10-20.	0.5	6
80	Line Parameter based Word-Level Indic Script Identification System. International Journal of Computer Vision and Image Processing, 2016, 6, 18-41.	0.3	6
81	Handwritten <i>Indic</i> Script Recognition Based on the Dempster"Shafer Theory of Evidence. Journal of Intelligent Systems, 2019, 29, 264-282.	1.2	5
82	GRaNN: feature selection with golden ratio-aided neural network for emotion, gender and speaker identification from voice signals. Neural Computing and Applications, 2022, 34, 14463-14486.	3.2	5
83	Development of a page segmentation technique for Bangla documents printed in italic style. , 2014, , .		4
84	Page-to-Word Extraction from Unconstrained Handwritten Document Images. Advances in Intelligent Systems and Computing, 2017, , 517-525.	0.5	4
85	Script invariant handwritten digit recognition using a simple feature descriptor. International Journal of Computational Vision and Robotics, 2018, 8, 543.	0.2	4
86	A study on smartphone sensor-based Human Activity Recognition using deep learning approaches. , 2021, , 343-369.		4
87	An ensemble approach for still image-based human action recognition. Neural Computing and Applications, 2022, 34, 19269-19282.	3.2	4
88	A Comparative Study of Different Feature Descriptors for Video-Based Human Action Recognition. Advances in Intelligent Systems and Computing, 2020, , 35-52.	0.5	3
89	Hydrodynamic Study of Nanofluids in Microchannel. , 2009, , .		2
90	Sample preparation method for tissue based proteomic analysis of Azolla microphylla. Symbiosis, 2017, 72, 207-214.	1.2	2

#	ARTICLE	IF	CITATIONS
91	Word-Level Script Identification Using Texture Based Features. International Journal of System Dynamics Applications, 2015, 4, 74-94.	0.3	2
92	Word Segmentation from Unconstrained Handwritten Bangla Document Images using Distance Transform. , 2016, , 473-484.		1
93	Handwritten Mixed-Script Recognition System: A Comprehensive Approach. Advances in Intelligent Systems and Computing, 2017, , 787-795.	0.5	1
94	<i>Indic</i> script identification from handwritten document images. International Journal of Intelligent Systems Technologies and Applications, 2019, 18, 303.	0.2	1
95	Genetic Algorithm Based Global and Local Feature Selection Approach for Handwritten Numeral Recognition. Studies in Computational Intelligence, 2021, , 745-769.	0.7	1
96	A comprehensive survey on <i>Bangla</i> handwritten numeral recognition. International Journal of Applied Pattern Recognition, 2018, 5, 55.	0.3	1
97	<i>Indic</i> script identification from handwritten document images. International Journal of Intelligent Systems Technologies and Applications, 2019, 18, 303.	0.2	1
98	A two-stage style detection approach for printed Roman script words. , 2015, , .		0
99	Statistical Textural Features for Text-Line Level Handwritten Indic Script Identification. Advances in Intelligent Systems and Computing, 2017, , 139-151.	0.5	0
100	Script invariant handwritten digit recognition using a simple feature descriptor. International Journal of Computational Vision and Robotics, 2018, 8, 543.	0.2	0
101	A Case Study on Handwritten <i>Indic</i> Script Classification: Benchmarking of the Results at Page, Block, Text-line, and Word Levels. ACM Transactions on Asian and Low-Resource Language Information Processing, 2022, 21, 1-36.	1.3	0