

# Ram Sarkar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

290  
papers

2,824  
citations

23  
h-index

38  
g-index

313  
ext. papers

4,487  
ext. citations

3.1  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
290	A genetic algorithm based region sampling for selection of local features in handwritten digit recognition application. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 1592-1606	7.5	98
289	CMATERdb1: a database of unconstrained handwritten Bangla and BanglaEnglish mixed script document image. <i>International Journal on Document Analysis and Recognition</i> , <b>2012</b> , 15, 71-83	3.8	82
288	A statisticalTopological feature combination for recognition of handwritten numerals. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 2486-2495	7.5	82
287	A hierarchical approach to recognition of handwritten Bangla characters. <i>Pattern Recognition</i> , <b>2009</b> , 42, 1467-1484	7.7	71
286	Selective Opposition based Grey Wolf Optimization. <i>Expert Systems With Applications</i> , <b>2020</b> , 151, 113389-8	7.8	67
285	Recursive Memetic Algorithm for gene selection in microarray data. <i>Expert Systems With Applications</i> , <b>2019</b> , 116, 172-185	7.8	66
284	Genetic algorithm based cancerous gene identification from microarray data using ensemble of filter methods. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 159-176	3.1	65
283	A novel framework for automatic sorting of postal documents with multi-script address blocks. <i>Pattern Recognition</i> , <b>2010</b> , 43, 3507-3521	7.7	59
282	A benchmark image database of isolated Bangla handwritten compound characters. <i>International Journal on Document Analysis and Recognition</i> , <b>2014</b> , 17, 413-431	3.8	48
281	Improved Binary Sailfish Optimizer Based on Adaptive Hill Climbing for Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 83548-83560	3.5	43
280	Handwritten Bangla character recognition using a soft computing paradigm embedded in two pass approach. <i>Pattern Recognition</i> , <b>2015</b> , 48, 2054-2071	7.7	42
279	A GA based hierarchical feature selection approach for handwritten word recognition. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 2533-2552	4.8	38
278	A wrapper-filter feature selection technique based on ant colony optimization. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 7839-7857	4.8	38
277	Late Acceptance Hill Climbing Based Social Ski Driver Algorithm for Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 75393-75408	3.5	30
276	Mayfly in Harmony: A New Hybrid Meta-Heuristic Feature Selection Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 195929-195945	3.9	30
275	Text and non-text separation in offline document images: a survey. <i>International Journal on Document Analysis and Recognition</i> , <b>2018</b> , 21, 1-20	3.8	28
274	Deluge based Genetic Algorithm for feature selection. <i>Evolutionary Intelligence</i> , <b>2021</b> , 14, 357-367	1.7	28

273	Offline Script Identification from multilingual Indic-script documents: A state-of-the-art. <i>Computer Science Review</i> , <b>2015</b> , 15-16, 1-28	8.3	27
272	Fuzzy rank-based fusion of CNN models using Gompertz function for screening COVID-19 CT-scans. <i>Scientific Reports</i> , <b>2021</b> , 11, 14133	4.9	27
271	A bi-stage feature selection approach for COVID-19 prediction using chest CT images. <i>Applied Intelligence</i> , <b>2021</b> , 51, 1-16	4.9	26
270	Hybrid of Harmony Search Algorithm and Ring Theory-Based Evolutionary Algorithm for Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 102629-102645	3.5	25
269	Feature selection for facial emotion recognition using late hill-climbing based memetic algorithm. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 25753-25779	2.5	24
268	EnsemConvNet: a deep learning approach for human activity recognition using smartphone sensors for healthcare applications. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 31663-31690	2.5	23
267	Binary Social Mimic Optimization Algorithm With X-Shaped Transfer Function for Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 97890-97906	3.5	22
266	Handwritten Bangla Digit Recognition Using Classifier Combination Through DS Technique. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 236-241	0.9	22
265	Embedded chaotic whale survival algorithm for filter wrapper feature selection. <i>Soft Computing</i> , <b>2020</b> , 24, 12821-12843	3.5	22
264	Feature Selection for Facial Emotion Recognition Using Cosine Similarity-Based Harmony Search Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2816	2.6	21
263	S-shaped versus V-shaped transfer functions for binary Manta ray foraging optimization in feature selection problem. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 11027	4.8	21
262	Significance of non-parametric statistical tests for comparison of classifiers over multiple datasets. <i>International Journal of Computing Science and Mathematics</i> , <b>2016</b> , 7, 410	0.8	20
261	An ensemble-based hotel recommender system using sentiment analysis and aspect categorization of hotel reviews. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 98, 106935	7.5	20
260	COVID-19 Detection by Optimizing Deep Residual Features with Improved Clustering-Based Golden Ratio Optimizer. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	20
259	Handwritten Bangla Word Recognition Using Elliptical Features <b>2014</b> ,		19
258	A Fuzzy Technique for Segmentation of Handwritten Bangla Word Images <b>2007</b> ,		19
257	Off-line Bangla handwritten word recognition: a holistic approach. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 5783-5798	4.8	19
256	Fuzzy Integral-Based CNN Classifier Fusion for 3D Skeleton Action Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 2206-2216	6.4	19

255	Binary Genetic Swarm Optimization: A Combination of GA and PSO for Feature Selection. <i>Journal of Intelligent Systems</i> , <b>2019</b> , 29, 1598-1610	1.5	18
254	A Holistic Approach for Handwritten Hindi Word Recognition. <i>International Journal of Computer Vision and Image Processing</i> , <b>2017</b> , 7, 59-78	0.7	18
253	Handwritten Bangla Word Recognition Using HOG Descriptor <b>2014</b> ,		18
252	Recognition of Numeric Postal Codes from Multi-script Postal Address Blocks. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 381-386	0.9	18
251	Detection of COVID-19 from CT scan images: A spiking neural network-based approach. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 1-14	4.8	18
250	CGA: a new feature selection model for visual human action recognition. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 5267-5286	4.8	18
249	A Tri-Stage Wrapper-Filter Feature Selection Framework for Disease Classification. <i>Sensors</i> , <b>2021</b> , 21,	3.8	18
248	An efficient slime mould algorithm for solving multi-objective optimization problems. <i>Expert Systems With Applications</i> , <b>2022</b> , 187, 115870	7.8	18
247	Benchmark databases of handwritten Bangla-Roman and Devanagari-Roman mixed-script document images. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 8441-8473	2.5	17
246	Statistical comparison of classifiers for script identification from multi-script handwritten documents. <i>International Journal of Applied Pattern Recognition</i> , <b>2014</b> , 1, 152	0.2	17
245	Text Line Segmentation for Unconstrained Handwritten Document Images Using Neighborhood Connected Component Analysis. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 369-374	0.9	17
244	GiB: a Game theory Inspired Binarization technique for degraded document images. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	17
243	High payload image steganography based on Laplacian of Gaussian (LoG) edge detector. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 30403-30418	2.5	17
242	Multi-lingual scene text detection and language identification. <i>Pattern Recognition Letters</i> , <b>2020</b> , 138, 16-22	4.7	16
241	Feature Selection for Handwritten Word Recognition Using Memetic Algorithm. <i>Studies in Computational Intelligence</i> , <b>2019</b> , 103-124	0.8	15
240	A holistic word recognition technique for handwritten Bangla words. <i>International Journal of Applied Pattern Recognition</i> , <b>2015</b> , 2, 142	0.2	15
239	GraphCovidNet: A graph neural network based model for detecting COVID-19 from CT scans and X-rays of chest. <i>Scientific Reports</i> , <b>2021</b> , 11, 8304	4.9	15
238	A Study of Moment Based Features on Handwritten Digit Recognition. <i>Applied Computational Intelligence and Soft Computing</i> , <b>2016</b> , 2016, 1-17	2.7	15

237	A Harmony Search Based Wrapper Feature Selection Method for Holistic Bangla Word Recognition. <i>Procedia Computer Science</i> , <b>2016</b> , 89, 395-403	1.6	15
236	Text-line extraction from handwritten document images using GAN. <i>Expert Systems With Applications</i> , <b>2020</b> , 140, 112916	7.8	15
235	Prediction of COVID-19 from Chest CT Images Using an Ensemble of Deep Learning Models. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7004	2.6	15
234	Introducing clustering based population in Binary Gravitational Search Algorithm for Feature Selection. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 93, 106341	7.5	14
233	Data Classification Using Feature Selection and kNN Machine Learning Approach <b>2015</b> ,		14
232	Multi-lingual Text Localization from Camera Captured Images Based on Foreground Homogeneity Analysis. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 149-158	0.4	14
231	. <i>IEEE Access</i> , <b>2020</b> , 8, 200953-200970	3.5	14
230	Bi-Level Prediction Model for Screening COVID-19 Patients Using Chest X-Ray Images. <i>Big Data Research</i> , <b>2021</b> , 25, 100233	3.7	14
229	Multi-Lingual Scene Text Detection Using One-Class Classifier. <i>International Journal of Computer Vision and Image Processing</i> , <b>2019</b> , 9, 48-65	0.7	13
228	Handwritten Arabic numerals recognition using convolutional neural network. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 5445-5457	3.7	13
227	Feature Selection Using Histogram-Based Multi-objective GA for Handwritten Devanagari Numeral Recognition. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 471-479	0.4	13
226	Statistical validation of multiple classifiers over multiple datasets in the field of pattern recognition. <i>International Journal of Applied Pattern Recognition</i> , <b>2015</b> , 2, 1	0.2	13
225	Word-level script identification for handwritten Indic scripts <b>2015</b> ,		13
224	A fuzzy rank-based ensemble of CNN models for classification of cervical cytology. <i>Scientific Reports</i> , <b>2021</b> , 11, 14538	4.9	13
223	Choquet fuzzy integral-based classifier ensemble technique for COVID-19 detection. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 135, 104585	7	13
222	Pneumonia detection in chest X-ray images using an ensemble of deep learning models. <i>PLoS ONE</i> , <b>2021</b> , 16, e0256630	3.7	13
221	A clustering-based feature selection framework for handwritten Indic script classification. <i>Expert Systems</i> , <b>2019</b> , 36, e12459	2.1	12
220	Suppression of non-text components in handwritten document images <b>2011</b> ,		12

219	Inverted bell-curve-based ensemble of deep learning models for detection of COVID-19 from chest X-rays.. <i>Neural Computing and Applications</i> , <b>2022</b> , 1-15	4.8	12
218	. <i>IEEE Sensors Journal</i> , <b>2020</b> , 1-1	4	12
217	Generation of Synthetic Chest X-ray Images and Detection of COVID-19: A Deep Learning Based Approach. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	12
216	Fuzzy edge detection based steganography using modified Gaussian distribution. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 17589-17606	2.5	12
215	Page-level script identification from multi-script handwritten documents <b>2015</b> ,		11
214	Page-level handwritten script identification using modified log-Gabor filter based features <b>2015</b> ,		11
213	Application of Structural and Topological Features to Recognize Online Handwritten Bangla Characters. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , <b>2018</b> , 17, 1-16 <sup>1.1</sup>	1.1	11
212	An Axiomatic Fuzzy Set Theory Based Feature Selection Methodology for Handwritten Numeral Recognition. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 133-140	0.4	11
211	A new quad tree based feature set for recognition of handwritten bangla numerals <b>2012</b> ,		11
210	A Novel GA-SVM Based Multistage Approach for Recognition of Handwritten Bangla Compound Characters. <i>Advances in Intelligent and Soft Computing</i> , <b>2012</b> , 145-152		11
209	LSB based steganography with OCR: an intelligent amalgamation. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 11747-11765	2.5	11
208	EHHM: Electrical Harmony Based Hybrid Meta-Heuristic for Feature Selection. <i>IEEE Access</i> , <b>2020</b> , 8, 158135-158141	3.5	11
207	Theoretical and empirical analysis of filter ranking methods: Experimental study on benchmark DNA microarray data. <i>Expert Systems With Applications</i> , <b>2021</b> , 169, 114485	7.8	11
206	A comprehensive handwritten Indic script recognition system: a tree-based approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2018</b> , 1	3.7	11
205	A histogram based fuzzy ensemble technique for feature selection. <i>Evolutionary Intelligence</i> , <b>2019</b> , 12, 713-724	1.7	10
204	A two-stage approach towards protein secondary structure classification. <i>Medical and Biological Engineering and Computing</i> , <b>2020</b> , 58, 1723-1737	3.1	10
203	Document Image Binarization Using Dual Discriminator Generative Adversarial Networks. <i>IEEE Signal Processing Letters</i> , <b>2020</b> , 27, 1090-1094	3.2	10
202	Text/Non-Text Separation From Handwritten Document Images Using LBP Based Features: An Empirical Study. <i>Journal of Imaging</i> , <b>2018</b> , 4, 57	3.1	10

201	Region selection in handwritten character recognition using Artificial Bee Colony Optimization <b>2012,</b>		10
200	Word Extraction and Character Segmentation from Text Lines of Unconstrained Handwritten Bangla Document Images. <i>Journal of Intelligent Systems</i> , <b>2011</b> , 20,	1.5	10
199	Identification of Devnagari and Roman Scripts from Multi-script Handwritten Documents. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 509-514	0.9	10
198	. <i>IEEE Access</i> , <b>2020</b> , 8, 182868-182887	3.5	10
197	Language-invariant novel feature descriptors for handwritten numeral recognition. <i>Visual Computer</i> , <b>2021</b> , 37, 1781-1803	2.3	10
196	Handwritten Digit Recognition using DAISY Descriptor: A Study <b>2018,</b>		10
195	A Study of Different Classifier Combination Approaches for Handwritten Indic Script Recognition. <i>Journal of Imaging</i> , <b>2018</b> , 4, 39	3.1	10
194	Text and Non-text Separation in Handwritten Document Images Using Local Binary Pattern Operator. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 507-515	0.4	9
193	Handwritten and Printed Word Identification Using Gray-scale Feature Vector and Decision Tree Classifier. <i>Procedia Technology</i> , <b>2013</b> , 10, 831-839		9
192	Text and non-text recognition using modified HOG descriptor <b>2017,</b>		9
191	Word-Level Script Identification from Handwritten Multi-script Documents. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 551-558	0.4	9
190	Script Identification from Camera-Captured Multi-script Scene Text Components. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 159-166	0.4	9
189	A Hybrid Meta-Heuristic Feature Selection Method for Identification of Indian Spoken Languages From Audio Signals. <i>IEEE Access</i> , <b>2020</b> , 8, 181432-181449	3.5	9
188	M-HMOGA: A New Multi-Objective Feature Selection Algorithm for Handwritten Numeral Classification. <i>Journal of Intelligent Systems</i> , <b>2019</b> , 29, 1453-1467	1.5	9
187	Application of Lah transform for security and privacy of data through information hiding in telecommunication. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2021</b> , 32, e3984	1.9	9
186	Moth Swarm Algorithm for Image Contrast Enhancement. <i>Knowledge-Based Systems</i> , <b>2021</b> , 212, 106607	7.3	9
185	A non-parametric binarization method based on ensemble of clustering algorithms. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 7653-7673	2.5	9
184	ET-NET: an ensemble of transfer learning models for prediction of COVID-19 infection through chest CT-scan images. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 1-20	2.5	9

183	Harris Hawks optimisation with Simulated Annealing as a deep feature selection method for screening of COVID-19 CT-scans. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 111, 107698	7.5	9
182	Bangla Handwritten City Name Recognition Using Gradient-Based Feature. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 343-352	0.4	8
181	Novel approaches towards slope and slant correction for tri-script handwritten word images. <i>Imaging Science Journal</i> , <b>2019</b> , 67, 159-170	0.9	8
180	Mutually Informed Correlation Coefficient (MICC) - a New Filter Based Feature Selection Method <b>2020</b> ,		8
179	Feature Selection Using Harmony Search for Script Identification from Handwritten Document Images. <i>Journal of Intelligent Systems</i> , <b>2018</b> , 27, 465-488	1.5	8
178	Handwritten document image binarization: An adaptive K-means based approach <b>2017</b> ,		8
177	Quad-Tree Based Image Segmentation and Feature Extraction to Recognize Online Handwritten Bangla Characters. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 246-256	0.9	8
176	A novel segmentation technique for online handwritten Bangla words. <i>Pattern Recognition Letters</i> , <b>2020</b> , 139, 26-33	4.7	8
175	Understanding NFC-Net: a deep learning approach to word-level handwritten Indic script recognition. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 7879-7895	4.8	8
174	Handwritten Bangla word recognition using negative refraction based shape transformation. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2018</b> , 35, 1765-1777	1.6	8
173	Line-Level Script Identification for Six Handwritten Scripts Using Texture Based Features. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 285-293	0.4	7
172	Online Handwritten Bangla Character Recognition Using CNN: A Deep Learning Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 413-420	0.4	7
171	Improved exploiting modification direction-based steganography using dynamic weightage array. <i>Electronics Letters</i> , <b>2018</b> , 54, 498-500	1.1	7
170	Textual Content Retrieval from Filled-in Form Images. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 27-37	0.3	7
169	Text line extraction from handwritten document pages using spiral run length smearing algorithm <b>2012</b> ,		7
168	Text line extraction from handwritten document pages based on line contour estimation <b>2012</b> ,		7
167	Fuzzy mutation embedded hybrids of gravitational search and Particle Swarm Optimization methods for engineering design problems. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 95, 103847	7.2	7
166	Understanding contents of filled-in Bangla form images. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 3529-3570	2.5	7



165	Image steganography based on Kirsch edge detection. <i>Multimedia Systems</i> , <b>2021</b> , 27, 73-87	2.2	7
164	Deep learning approaches to scene text detection: a comprehensive review. <i>Artificial Intelligence Review</i> , <b>2021</b> , 54, 3239-3298	9.7	7
163	Secured image steganography based on Catalan transform. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 14495-14520	2.5	7
162	AIEOU: Automata-based improved equilibrium optimizer with U-shaped transfer function for feature selection. <i>Knowledge-Based Systems</i> , <b>2021</b> , 228, 107283	7.3	7
161	Carcinoma type classification from high-resolution breast microscopy images using a hybrid ensemble of deep convolutional features and gradient boosting trees classifiers. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , PP,	3	7
160	A union of deep learning and swarm-based optimization for 3D human action recognition.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5494	4.9	7
159	A Simple and Effective Technique for Online Handwritten Bangla Character Recognition. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 201-209	0.4	6
158	Cancer classification from gene expression based microarray data using SVM ensemble <b>2015</b> ,		6
157	Breast cancer detection from thermal images using a Grunwald-Letnikov-aided Dragonfly algorithm-based deep feature selection method. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 141, 105027	7	6
156	A deep learning model for classifying human facial expressions from infrared thermal images. <i>Scientific Reports</i> , <b>2021</b> , 11, 20696	4.9	6
155	Handwritten Digit Classification in Bangla and Hindi Using Deep Learning. <i>Applied Artificial Intelligence</i> , <b>2020</b> , 34, 1074-1099	2.3	6
154	Offline music symbol recognition using Daisy feature and quantum Grey wolf optimization based feature selection. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 32011-32036	2.5	6
153	Feature Selection for Recognition of Online Handwritten Bangla Characters. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 2281-2304	2.4	6
152	An image database of handwritten Bangla words with automatic benchmarking facilities for character segmentation algorithms. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 449-468	4.8	6
151	FuzzyGCP: A deep learning architecture for automatic spoken language identification from speech signals. <i>Expert Systems With Applications</i> , <b>2021</b> , 168, 114416	7.8	6
150	Correlation-based classifier combination in the field of pattern recognition. <i>Computational Intelligence</i> , <b>2018</b> , 34, 839-874	2.5	6
149	A One-Pass Approach for Slope and Slant Estimation of Tri-Script Handwritten Words. <i>Journal of Intelligent Systems</i> , <b>2018</b> , 29, 688-702	1.5	6
148	COVID-19 detection from lung CT-Scans using a fuzzy integral-based CNN ensemble. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 138, 104895	7	6

147	AltWOA: Altruistic Whale Optimization Algorithm for feature selection on microarray datasets.. <i>Computers in Biology and Medicine</i> , <b>2022</b> , 144, 105349	7	6
146	Revise-Net: Exploiting Reverse Attention Mechanism for Salient Object Detection. <i>Remote Sensing</i> , <b>2021</b> , 13, 4941	5	6
145	Recognition of Handwritten Indic Script Numerals Using Mojette Transform. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 459-466	0.4	5
144	Recognize Online Handwritten Bangla Characters Using Hausdorff Distance-Based Feature. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 541-549	0.4	5
143	Multi-lingual Scene Text Detection by Local Histogram Analysis and Selection of Optimal Area for MSER. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 234-242	0.3	5
142	Extended exploiting modification direction based steganography using hashed-weightage Array. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 20973-20993	2.5	5
141	A Fuzzy C-Means Based Approach Towards Efficient Document Image Binarization <b>2017</b> ,		5
140	Handwritten Indic Script Recognition Based on the Dempster-Shafer Theory of Evidence. <i>Journal of Intelligent Systems</i> , <b>2018</b> , 29, 264-282	1.5	5
139	Identifying cancer biomarkers from leukemia data using feature selection and supervised learning <b>2016</b> ,		5
138	Normalization of unconstrained handwritten words in terms of Slope and Slant Correction. <i>Pattern Recognition Letters</i> , <b>2019</b> , 128, 488-495	4.7	5
137	A Texture Based Approach to Word-Level Script Identification from Multi-script Handwritten Documents <b>2014</b> ,		5
136	Fuzzy ensemble of deep learning models using choquet fuzzy integral, coalition game and information theory for breast cancer histology classification. <i>Expert Systems With Applications</i> , <b>2022</b> , 190, 116167	7.8	5
135	Line Parameter based Word-Level Indic Script Identification System. <i>International Journal of Computer Vision and Image Processing</i> , <b>2016</b> , 6, 18-41	0.7	5
134	Multilingual Scene Text Detection Using Gradient Morphology. <i>International Journal of Computer Vision and Image Processing</i> , <b>2020</b> , 10, 31-43	0.7	5
133	Parameter Tuning in MSER for Text Localization in Multi-lingual Camera-Captured Scene Text Images. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 999-1009	0.4	5
132	Development of a Two-Stage Segmentation-Based Word Searching Method for Handwritten Document Images. <i>Journal of Intelligent Systems</i> , <b>2018</b> , 29, 719-735	1.5	5
131	Classification of Apple Disease Based on Non-Linear Deep Features. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6422	2.6	5
130	A new wrapper feature selection method for language-invariant offline signature verification. <i>Expert Systems With Applications</i> , <b>2021</b> , 186, 115756	7.8	5

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