

Debotosh Bhattacharjee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2952002/publications.pdf>

Version: 2024-02-01

212
papers

2,135
citations

430754

18
h-index

395590

33
g-index

222
all docs

222
docs citations

222
times ranked

1549
citing authors

#	ARTICLE	IF	CITATIONS
1	Patch-based system for Classification of Breast Histology images using deep learning. Computerized Medical Imaging and Graphics, 2019, 71, 90-103.	3.5	138
2	A Comparative Study of Human Thermal Face Recognition Based on Haar Wavelet Transform and Local Binary Pattern. Computational Intelligence and Neuroscience, 2012, 2012, 1-12.	1.1	128
3	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
4	Local-Gravity-Face (LG-face) for Illumination-Invariant and Heterogeneous Face Recognition. IEEE Transactions on Information Forensics and Security, 2016, 11, 1412-1424.	4.5	63
5	Combining Multiple Feature Extraction Techniques for Handwritten Devnagari Character Recognition. , 2008, , .		50
6	Blood smear analyzer for white blood cell counting: A hybrid microscopic image analyzing technique. Applied Soft Computing Journal, 2016, 46, 629-638.	4.1	50
7	Wavelet based thermogram analysis for breast cancer detection. , 2015, , .		45
8	Polyp-Net: A Multimodel Fusion Network for Polyp Segmentation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	44
9	CGA: a new feature selection model for visual human action recognition. Neural Computing and Applications, 2021, 33, 5267-5286.	3.2	44
10	Breast abnormality detection through statistical feature analysis using infrared thermograms. , 2015, , .		42
11	Suspicious-Region Segmentation From Breast Thermogram Using DLPE-Based Level Set Method. IEEE Transactions on Medical Imaging, 2019, 38, 572-584.	5.4	40
12	Human face recognition using fuzzy multilayer perceptron. Soft Computing, 2010, 14, 559-570.	2.1	37
13	Designing of Ground-Truth-Annotated DBT-TU-JU Breast Thermogram Database Toward Early Abnormality Prediction. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1238-1249.	3.9	37
14	Pattern of Local Gravitational Force (<i>PLGF</i>): A Novel Local Image Descriptor. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 595-607.	9.7	34
15	Human face recognition using random forest based fusion of \tilde{A} -trous wavelet transform coefficients from thermal and visible images. AEU - International Journal of Electronics and Communications, 2016, 70, 1041-1049.	1.7	32
16	PET-CT image fusion using random forest and \tilde{A} -trous wavelet transform. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2933.	1.0	31
17	Thermal Infrared Face Recognition " A Biometric Identification Technique for Robust Security system. , 0, , .		28
18	Discriminative feature selection for breast abnormality detection and accurate classification of thermograms. , 2017, , .		27

#	ARTICLE	IF	CITATIONS
19	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
20	An Approximated Box Height for Differential-Box-Counting Method to Estimate Fractal Dimensions of Gray-Scale Images. <i>Entropy</i> , 2017, 19, 534.	1.1	26
21	Singular value based characterization and analysis of thermal patches for early breast abnormality detection. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 861-879.	1.4	26
22	Fusion of Visible and Thermal Images Using a Directed Search Method for Face Recognition. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2017, 31, 1756005.	0.7	22
23	Automated thermal face recognition based on minutiae extraction. <i>International Journal of Computational Intelligence Studies</i> , 2013, 2, 133.	0.3	20
24	Enhancement of robustness of face recognition system through reduced gaussianity in Log-ICA. <i>Expert Systems With Applications</i> , 2019, 116, 96-107.	4.4	19
25	Robust 3D Face Recognition in Presence of Pose and Partial Occlusions or Missing Parts. <i>International Journal in Foundations of Computer Science & Technology</i> , 2014, 4, 21-35.	0.3	19
26	LwMLA-NET: A Lightweight Multi-Level Attention-Based NETWORK for Segmentation of COVID-19 Lungs Abnormalities From CT Images. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-13.	2.4	18
27	Face Sketch-Photo Matching Using the Local Gradient Fuzzy Pattern. <i>IEEE Intelligent Systems</i> , 2016, 31, 30-39.	4.0	17
28	Face sketch-photo recognition using local gradient checksum: LGCS. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1457-1469.	2.3	17
29	A fast FPGA based architecture for computation of square root and Inverse Square Root. , 2017, , .		17
30	A novel quaternary pattern of local maximum quotient for heterogeneous face recognition. <i>Pattern Recognition Letters</i> , 2018, 113, 19-28.	2.6	17
31	Ã€â€šrous wavelet transformÃ€based hybrid image fusion for face recognition using region classifiers. <i>Expert Systems</i> , 2018, 35, e12307.	2.9	17
32	Human Identification Using Selected Features From Finger Geometric Profiles. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 747-761.	5.9	17
33	3D FACE RECOGNITION FROM RANGE IMAGES BASED ON CURVATURE ANALYSIS. <i>ICTACT Journal on Image and Video Processing</i> , 2014, 04, 748-753.	0.2	17
34	Geometric feature based face-sketch recognition. , 2012, , .		16
35	Texture analysis of breast thermogram for differentiation of malignant and benign breast. , 2016, , .		16
36	A Novel Approach for Human Action Recognition from Silhouette Images. <i>IETE Journal of Research</i> , 2017, 63, 160-171.	1.8	16

#	ARTICLE	IF	CITATIONS
37	Automated Cervical Cancer Detection Using Pap Smear Images. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 267-278.	0.5	16
38	UGC-JU face database and its benchmarking using linear regression classifier. <i>Multimedia Tools and Applications</i> , 2015, 74, 2913-2937.	2.6	15
39	Heterogeneous face matching using geometric edge-texture feature (GETF) and multiple fuzzy-classifier system. <i>Applied Soft Computing Journal</i> , 2016, 46, 967-979.	4.1	15
40	LMZMPM: Local Modified Zernike Moment Per-Unit Mass for Robust Human Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 495-509.	4.5	15
41	Feature Selection using Particle Swarm Optimization for Thermal Face Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 25-35.	0.5	15
42	Classification of Polar-Thermal Eigenfaces using Multilayer Perceptron for Human Face Recognition. , 2008, , .		14
43	Minutiae based thermal face recognition using blood perfusion data. , 2011, , .		14
44	Adaptive polar transform and fusion for human face image processing and evaluation. <i>Human-centric Computing and Information Sciences</i> , 2014, 4, .	6.1	14
45	A review on inflammatory pain detection in human body through infrared image analysis. , 2015, , .		14
46	MSPSF: A Multi-Scale Local Intensity Measurement Function for Segmentation of Breast Thermogram. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2722-2733.	2.4	14
47	A Fast FPGA Based Architecture for Sobel Edge Detection. <i>Lecture Notes in Computer Science</i> , 2012, , 300-306.	1.0	14
48	A robust analysis, detection and recognition of facial features in 2.5D images. <i>Multimedia Tools and Applications</i> , 2016, 75, 11059-11096.	2.6	13
49	A Study and Analysis of Hybrid Intelligent Techniques for Breast Cancer Detection Using Breast Thermograms. <i>Studies in Computational Intelligence</i> , 2016, , 329-359.	0.7	13
50	A Multi-Scale Patch-Based Deep Learning System for Polyp Segmentation. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 109-119.	0.5	13
51	Construction of human faces from textual descriptions. <i>Soft Computing</i> , 2011, 15, 429-447.	2.1	12
52	A novel approach to nose-tip and eye corners detection using H-K curvature analysis in case of 3D images. , 2012, , .		12
53	Genome-wide analysis of NGS data to compile cancer-specific panels of miRNA biomarkers. <i>PLoS ONE</i> , 2018, 13, e0200353.	1.1	12
54	SpPCANet: a simple deep learning-based feature extraction approach for 3D face recognition. <i>Multimedia Tools and Applications</i> , 2020, 79, 31329-31352.	2.6	12

#	ARTICLE	IF	CITATIONS
55	Medical Aid for Automatic Detection of Malaria. Communications in Computer and Information Science, 2011, , 170-178.	0.4	11
56	A novel approach for nose tip detection using smoothing by weighted median filtering applied to 3D face images in variant poses. , 2012, , .		11
57	Automatic System for Plasmodium Species Identification from Microscopic Images of Blood-Smear Samples. Journal of Healthcare Informatics Research, 2017, 1, 231-259.	5.3	11
58	Finger contour profile based hand biometric recognition. Multimedia Tools and Applications, 2017, 76, 21451-21479.	2.6	11
59	Segmentation of Breast-Region in Breast Thermogram Using Arc-Approximation and Triangular-Space Search. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4785-4795.	2.4	11
60	Optimum fusion of visual and thermal face images for recognition. , 2010, , .		10
61	Multisensor fusion of visual and thermal images for human face identification using different SVM kernels. , 2012, , .		10
62	3D Face Recognition using surface normals. , 2015, , .		10
63	An automated system for segmenting platelets from microscopic images of blood cells. , 2015, , .		10
64	Binding Activity Prediction of Cyclin-Dependent Inhibitors. Journal of Chemical Information and Modeling, 2015, 55, 1469-1482.	2.5	10
65	Identification of tissue-specific tumor biomarker using different optimization algorithms. Genes and Genomics, 2019, 41, 431-443.	0.5	10
66	Designing of an inflammatory knee joint thermogram dataset for arthritis classification using deep convolution neural network.. Quantitative InfraRed Thermography Journal, 2022, 19, 145-171.	2.1	10
67	Mitigating Data Imbalance Issues in Medical Image Analysis. Advances in Data Mining and Database Management Book Series, 2021, , 66-89.	0.4	10
68	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
69	Thermal Human Face Recognition Based on Haar Wavelet Transform and Series Matching Technique. Lecture Notes in Electrical Engineering, 2013, , 155-167.	0.3	9
70	Facial Mole Detection: An Approach towards Face Identification. Procedia Computer Science, 2015, 46, 1546-1553.	1.2	9
71	Visibility enhancement techniques for fog degraded images: A comparative analysis with performance evaluation. , 2016, , .		9
72	Gammadion binary pattern of Shearlet coefficients (GBPSC): An illumination-invariant heterogeneous face descriptor. Pattern Recognition Letters, 2021, 145, 30-36.	2.6	9

#	ARTICLE	IF	CITATIONS
73	High Performance Human Face Recognition using Gabor Based Pseudo Hidden Markov Model. International Journal of Applied Evolutionary Computation, 2013, 4, 81-102.	0.7	9
74	Depth based Occlusion Detection and Localization from 3D Face Image. International Journal of Image Graphics and Signal Processing, 2015, 7, 20-31.	0.8	9
75	Illumination invariant face recognition using Fused Cross Lattice Pattern of Phase Congruency (FCLPPC). Information Sciences, 2022, 584, 633-648.	4.0	9
76	Classification of fused images using radial basis function neural network for human face recognition. , 2009, , .		8
77	Round-the-clock urine sugar monitoring system for diabetic patients. , 2010, , .		8
78	Minutiae Based Thermal Human Face Recognition using Label Connected Component Algorithm. Procedia Technology, 2012, 4, 604-611.	1.1	8
79	Fuzzy matching of edge and curvature based features from range images for 3D face recognition. Intelligent Automation and Soft Computing, 2017, 23, 51-62.	1.6	8
80	A novel local wavelet energy mesh pattern (LWEMeP) for heterogeneous face recognition. Image and Vision Computing, 2018, 72, 1-13.	2.7	8
81	Robust Human Action Recognition Using AREI Features and Trajectory Analysis from Silhouette Image Sequence. IETE Journal of Research, 2019, 65, 236-249.	1.8	8
82	Complement component face space for 3D face recognition from range images. Applied Intelligence, 2021, 51, 2500-2517.	3.3	8
83	Person recognition using alternative hand geometry. International Journal of Biometrics, 2014, 6, 231.	0.3	7
84	A proposed system for gender classification using lower part of face image. , 2015, , .		7
85	Expression and occlusion invariant 3D face recognition based on region classifier. , 2016, , .		7
86	Standardization of infrared breast thermogram acquisition protocols and abnormality analysis of breast thermograms. Proceedings of SPIE, 2016, , .	0.8	7
87	Modified vector quantization algorithm to overcome the blocking artefact problem of vector quantization algorithm. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3711-3727.	0.8	7
88	A Proposed Grayscale Face Image Colorization System using Particle Swarm Optimization. International Journal of Virtual and Augmented Reality, 2017, 1, 72-89.	0.4	7
89	3D Face Recognition Based on Volumetric Representation of Range Image. Advances in Intelligent Systems and Computing, 2019, , 175-189.	0.5	7
90	Reg3DFacePtCd: Registration of 3D Point Clouds Using a Common Set of Landmarks for Alignment of Human Face Images. KI - Kunstliche Intelligenz, 2019, 33, 369-387.	2.2	7

#	ARTICLE	IF	CITATIONS
91	Thermal human face recognition based on GappyPCA. , 2013, , .		6
92	DeitY-TU face database: its design, multiple camera capturing, characteristics, and evaluation. Optical Engineering, 2014, 53, 102106.	0.5	6
93	Fusion-Based Hand Geometry Recognition Using Dempsterâ€“Shafer Theory. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1556005.	0.7	6
94	A hybrid approach to diagnosis of tuberculosis from sputum. , 2016, , .		6
95	Pain related inflammation analysis using infrared images. , 2016, , .		6
96	RASIT: Region shrinking based Accurate Segmentation of Inflammatory areas from Thermograms. Biocybernetics and Biomedical Engineering, 2018, 38, 903-917.	3.3	6
97	Hybrid Intelligent Techniques for Segmentation of Breast Thermograms. , 2016, , 255-289.		6
98	Minutiae from Bit-Plane Sliced Thermal Images for Human Face Recognition. Advances in Intelligent and Soft Computing, 2012, , 113-124.	0.2	5
99	Plagiarism Detection by Identifying the Equations. Procedia Technology, 2013, 10, 715-723.	1.1	5
100	An Approach to Detect the Region of Interest of Expressive Face Images. Procedia Computer Science, 2015, 46, 1739-1746.	1.2	5
101	Mathematical Representations of Blended Facial Expressions towards Facial Expression Modeling. Procedia Computer Science, 2016, 84, 94-98.	1.2	5
102	Local Centre of Mass Face for face recognition under varying illumination. Multimedia Tools and Applications, 2017, 76, 19211-19240.	2.6	5
103	Integrated analysis of the miRNAâ€“mRNA next-generation sequencing data for finding their associations in different cancer types. Computational Biology and Chemistry, 2020, 84, 107152.	1.1	5
104	Range Face Image Registration Using ERFI from 3D Images. Advances in Intelligent Systems and Computing, 2015, , 323-333.	0.5	5
105	Automatic White Blood Cell Measuring Aid for Medical Diagnosis. , 2011, , .		4
106	3D face recognition from complement component range face images. , 2015, , .		4
107	MaER: A New Ensemble Based Multiclass Classifier for Binding Activity Prediction of HLA Class II Proteins. Lecture Notes in Computer Science, 2015, , 462-471.	1.0	4
108	A Survey on Imaging-based Breast Cancer Detection. Advances in Intelligent Systems and Computing, 2015, , 255-266.	0.5	4

#	ARTICLE	IF	CITATIONS
109	Expressions Recognition of North-East Indian (NEI) Faces. Multimedia Tools and Applications, 2016, 75, 16781-16807.	2.6	4
110	Facial component-based blended facial expressions generation from static neutral face images. Multimedia Tools and Applications, 2018, 77, 20177-20206.	2.6	4
111	Breast Blood Perfusion (BBP) Model and Its Application in Differentiation of Malignant and Benign Breast. Lecture Notes in Electrical Engineering, 2018, , 406-413.	0.3	4
112	Multi-scale Rols selection for classifying multi-spectral images. Multidimensional Systems and Signal Processing, 2020, 31, 745-769.	1.7	4
113	Passive Auto Focusing of Pathological Microscope with Intelligent Field Image Collection Mechanism. Journal of Medical Systems, 2021, 45, 25.	2.2	4
114	Two-stage human verification using HandCAPTCHA and anti-spoofed finger biometrics with feature selection. Expert Systems With Applications, 2021, 171, 114583.	4.4	4
115	Histogram of Bunched Intensity Values Based Thermal Face Recognition. Lecture Notes in Computer Science, 2014, , 367-374.	1.0	4
116	Illumination, Pose and Occlusion Invariant Face Recognition from Range Images Using ERFI Model. International Journal of System Dynamics Applications, 2015, 4, 1-20.	0.3	4
117	A Thermal Blended Facial Expression Analysis and Recognition System Using Deformed Thermal Facial Areas. International Journal of Image and Graphics, 2022, 22, .	1.2	4
118	Interpretable Local Frequency Binary Pattern (<i>LFrBP</i>) Based Joint Continual Learning Network for Heterogeneous Face Recognition. IEEE Transactions on Information Forensics and Security, 2022, 17, 2125-2136.	4.5	4
119	Multi-sensor image fusion based on moment calculation. , 2012, , .		3
120	A Region-to-pixel based Multi-sensor Image Fusion. Procedia Technology, 2013, 10, 654-662.	1.1	3
121	Wavelet and decision fusion-based 3D face recognition from range image. International Journal of Applied Pattern Recognition, 2015, 2, 306.	0.3	3
122	Multi-resolution analysis to differentiate the healthy and unhealthy breast using breast thermogram. , 2016, , .		3
123	Identification of miRNA signature using Next-Generation Sequencing data of prostate cancer. , 2016, , .		3
124	A ZigZag Pattern of Local Extremum Logarithm Difference for Illumination-Invariant and Heterogeneous Face Recognition. Lecture Notes in Computer Science, 2018, , 1-19.	1.0	3
125	Detection of Moving Objects in Video Using Block-Based Approach. Studies in Computational Intelligence, 2019, , 151-167.	0.7	3
126	In silico markers: an evolutionary and statistical approach to select informative genes of human breast cancer subtypes. Genes and Genomics, 2019, 41, 1371-1382.	0.5	3

#	ARTICLE	IF	CITATIONS
127	Temperature profile guided segmentation for detection of early subclinical inflammation in arthritis knee joints from thermal images. <i>Infrared Physics and Technology</i> , 2019, 99, 102-112.	1.3	3
128	Heterogeneous Face Matching Using Robust Binary Pattern of Local Quotient: RBPLQ. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 159-173.	0.5	3
129	LINPE-BL: A Local Descriptor and Broad Learning for Identification of Abnormal Breast Thermograms. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3919-3931.	5.4	3
130	Spoofing detection on hand images using quality assessment. <i>Multimedia Tools and Applications</i> , 2021, 80, 28603-28626.	2.6	3
131	Registration of Three Dimensional Human Face Images across Pose and Their Applications in Digital Forensic. <i>Studies in Computational Intelligence</i> , 2014, , 315-331.	0.7	3
132	A Neural Network Based Image Watermarking Technique Using Spiral Encoding of DCT Coefficients. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 11-18.	0.5	3
133	An Automatic Non-invasive System for Diagnosis of Tuberculosis. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 59-70.	0.5	3
134	Human Face Recognition using Gabor Based Kernel Entropy Component Analysis. <i>International Journal of Computer Vision and Image Processing</i> , 2012, 2, 1-20.	0.3	3
135	Thermal Human Face Recognition for Biometric Security System. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 0, , 1-24.	0.4	3
136	Polar fusion technique analysis for evaluating the performances of image fusion of thermal and visual images for human face recognition. , 2011, , .		2
137	NEI Facial Expressions for Identification. <i>IERI Procedia</i> , 2013, 4, 358-363.	0.3	2
138	Automatic Analysis of Smoothing Techniques by Simulation Model Based Real-Time System for Processing 3D Human Faces. <i>International Journal of Embedded Systems and Applications</i> , 2014, 4, 13-23.	0.3	2
139	Plagiarism Detection by Identifying the Keywords. , 2014, , .		2
140	Face detection using generic eye template matching. , 2014, , .		2
141	ROBUST THERMAL FACE RECOGNITION USING REGION CLASSIFIERS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2014, 28, 1456008.	0.7	2
142	RaFaReS: Range image-based 3D face recognition system by surface descriptor. , 2015, , .		2
143	Gait Recognition for Human Identification Using Fourier Descriptor and Anatomical Landmarks. <i>International Journal of Image Graphics and Signal Processing</i> , 2015, 7, 30-38.	0.8	2
144	Decremental depth bunch based 3D face recognition from range image. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
145	Register-My-Face: a tool to register three-dimensional face images. Journal of Electronic Imaging, 2015, 24, 043007.	0.5	2
146	An automated system for measuring hematocrit level of human blood from total RBC count. , 2016, , .		2
147	Biomarker identification using next generation sequencing data of RNA. , 2016, , .		2
148	A Novel Approach for Human Silhouette Extraction from Video Data. Advances in Intelligent Systems and Computing, 2017, , 125-135.	0.5	2
149	EF-Index: Determining number of clusters (K) to estimate number of segments (S) in an image. Image and Vision Computing, 2019, 88, 29-40.	2.7	2
150	A Survey on Image Acquisition Protocols for Non-posed Facial Expression Recognition Systems. Multimedia Tools and Applications, 2019, 78, 23329-23368.	2.6	2
151	Breast abnormality detection using combined texture and vascular features. International Journal of Computational Science and Engineering, 2019, 18, 140.	0.4	2
152	Automated classification of mitotic catastrophe by use of the centromere fragmentation morphology. Biochemistry and Cell Biology, 2021, 99, 261-271.	0.9	2
153	RotaSVM: A New Ensemble Classifier. Advances in Intelligent Systems and Computing, 2013, , 47-57.	0.5	2
154	3D Face Recognition across Pose Extremities. Smart Innovation, Systems and Technologies, 2014, , 291-299.	0.5	2
155	A Face Recognition Approach Based on Entropy Estimate of the Nonlinear DCT Features in the Logarithm Domain Together with Kernel Entropy Component Analysis. International Journal of Information Technology and Computer Science, 2013, 5, 31-42.	0.8	2
156	Human Identification by Gait Using Corner Points. International Journal of Image Graphics and Signal Processing, 2012, 4, 30-36.	0.8	2
157	Decision Fusion of Multisensor Images for Human Face Identification in Information Security. , 2013, , 571-591.		2
158	Child Obesity Control Through Computer Game. Biomedical Engineering Research, 2013, , 88-95.	0.2	2
159	Anthropometric Measurement of North-East Indian Faces for Forensic Face Analysis. Studies in Computational Intelligence, 2014, , 125-144.	0.7	2
160	Background Subtraction Algorithm for Moving Object Detection Using SAMEER-TU Dataset. Advances in Intelligent Systems and Computing, 2015, , 279-291.	0.5	2
161	3D Face Recognition Using a Fusion of PCA and ICA Convolution Descriptors. Neural Processing Letters, 0, , 1.	2.0	2
162	Visibility enhancement of fog degraded images using adaptive defogging function. Multimedia Tools and Applications, 2022, 81, 35317-35347.	2.6	2

#	ARTICLE	IF	CITATIONS
163	Facial expression invariant person recognition using feature level fusion of visual and thermal images. , 2011, , .		1
164	Classification of thermal face images using radial basis function neural network. , 2011, , .		1
165	Independent component analysis (ICA) of fused wavelet coefficients of thermal and visual images for human face recognition. Proceedings of SPIE, 2011, , .	0.8	1
166	Creation of North-East Indian face database for human face identification. Proceedings of SPIE, 2013, , .	0.8	1
167	Curvature based localization of nose tip point for processing 3D-face from range images. , 2014, , .		1
168	A FPGA based system for measuring Vector Cosine Angle Distance between three color channels of RGB image. , 2015, , .		1
169	Gray scale image colorization using normalized cross correlation. , 2016, , .		1
170	Characterization and recognition of mixed emotional expressions in thermal face image. , 2016, , .		1
171	A smart phone based app for automated segmentation and counting of platelets. , 2016, , .		1
172	An automated system for platelet segmentation using histogram-based thresholding. , 2016, , .		1
173	Block-Based Quantized Histogram (BBQH) for efficient background modeling and foreground extraction in video. , 2017, , .		1
174	TR-LBP: A modified Local Binary Pattern-based technique for 3D face recognition. , 2018, , .		1
175	Heterogeneous Face Matching Using ZigZag Pattern of Local Extremum Logarithm Difference: ZZPLELD. Advances in Intelligent Systems and Computing, 2018, , 121-135.	0.5	1
176	Accurate segmentation of inflammatory and abnormal regions using medical thermal imagery. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 647-657.	1.4	1
177	Finger Biometric Recognition with Feature Selection. , 2019, , 87-112.		1
178	Computer Intelligence in Healthcare. , 2013, , 716-715.		1
179	3D Image Acquisition and Analysis of Range Face Images for Registration and Recognition. Advances in Computational Intelligence and Robotics Book Series, 2016, , 185-216.	0.4	1
180	Automation in Sputum Microscopy. Advances in Computational Intelligence and Robotics Book Series, 2016, , 414-453.	0.4	1

#	ARTICLE	IF	CITATIONS
181	Improving Performance of Classifiers using Rotational Feature Selection Scheme. , 2013, , .		1
182	Registration of Range Images Using a Novel Technique of Centroid Alignment. Advances in Intelligent Systems and Computing, 2016, , 81-89.	0.5	1
183	Microscopic Image Segmentation Using Hybrid Technique for Dengue Prediction. , 2016, , 109-136.		1
184	A Novel Approach for Colorization of a Grayscale Image using Soft Computing Techniques. International Journal of Multimedia Data Engineering and Management, 2017, 8, 19-43.	0.3	1
185	RBCEA: A regularized Bi-partitioned entropy component analysis for human face recognition. Expert Systems With Applications, 2022, 202, 117273.	4.4	1
186	A Gabor-Block-Based Kernel Discriminative Common Vector Approach Using Cosine Kernels for Human Face Recognition. Computational Intelligence and Neuroscience, 2012, 2012, 1-12.	1.1	0
187	A software tool for extraction of annotation data from a PDB file. , 2012, , .		0
188	Multi-sensor image fusion based on statistical features and wavelet transform. , 2013, , .		0
189	Gradient-based fusion of infrared and visual face images using support vector machine for human face identification. , 2013, , .		0
190	Design of an Automatic Cartoon Movie Builder (ACMB) System for Generation of a Cartoon Movie from a Given Story. , 2014, , .		0
191	Vectorfaces for Illumination Invariant Human Face Recognition. , 2015, , .		0
192	A novel unit circle approach for computation of sine function. , 2017, , .		0
193	Integrated Classifier: A Tool for Microarray Analysis. Communications in Computer and Information Science, 2017, , 30-43.	0.4	0
194	A Novel Approach for Segmenting WBCs in Smartphones Using Color-Based Segmentation. Lecture Notes in Networks and Systems, 2018, , 287-295.	0.5	0
195	Finding the Association of mRNA and miRNA Using Next Generation Sequencing Data of Kidney Renal Cell Carcinoma. Lecture Notes in Electrical Engineering, 2018, , 524-534.	0.3	0
196	MicroRNA-Based Cancer Classification Using Feature Selection Wrapper. Lecture Notes in Networks and Systems, 2021, , 197-209.	0.5	0
197	An Innovative Technique for Adaptive Video Summarization. Communications in Computer and Information Science, 2011, , 592-600.	0.4	0
198	Human face identification using multisource fusion. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
199	A Comparative Analysis of Intensity Based Rotation Invariant 3D Facial Landmarking System from 3D Meshes. Lecture Notes in Electrical Engineering, 2013, , 139-153.	0.3	0
200	Facial Expression Analysis Using 3D Range Images. Advances in Computational Intelligence and Robotics Book Series, 2016, , 346-364.	0.4	0
201	Issues and Approaches to Design of a Range Image Face Database. Advances in Intelligent Systems and Computing, 2016, , 425-436.	0.5	0
202	The SI-LBP: A New Framework for Obtaining 3D Local Binary Patterns from Shape-Index. Lecture Notes in Electrical Engineering, 2016, , 349-360.	0.3	0
203	3D Image Acquisition and Analysis of Range Face Images for Registration and Recognition. , 2017, , 933-968.		0
204	A Novel Technique for Segmenting Platelets by k-Means Clustering. Communications in Computer and Information Science, 2017, , 22-29.	0.4	0
205	Human Identification by Gait Using Fourier Descriptor and Angle-Based Pseudo Anatomical Landmark Model. Communications in Computer and Information Science, 2018, , 704-721.	0.4	0
206	Thermal Human Face Recognition for Biometric Security System. , 2018, , 1838-1863.		0
207	Pose Registration of 3D Face Images. Advances in Intelligent Systems and Computing, 2020, , 53-71.	0.5	0
208	Volumetric Density of Triangulated Range Images for Face Recognition. Lecture Notes in Computer Science, 2020, , 58-84.	1.0	0
209	A Novel Approach to 3D Face Registration for Biometric Analysis Using RCompute_ICP. Advances in Intelligent Systems and Computing, 2021, , 483-493.	0.5	0
210	Edge Detection based on Local-Friis-Radiation-Magnitude-Ratio (LFRMR). , 2020, , .		0
211	No-reference image blurriness assessment using divisive normalization. Signal, Image and Video Processing, 0, , 1.	1.7	0
212	Detection of images degraded by rain using image quality assessment. Multimedia Tools and Applications, 0, , 1.	2.6	0