Local binary patterns variants as texture descriptors for

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Citation Report

#	Article	IF	CITATIONS
1	A local approach based on a Local Binary Patterns variant texture descriptor for classifying pain states. Expert Systems With Applications, 2010, 37, 7888-7894.	7.6	102
2	Combined local and holistic facial features for age-determination. , 2010, , .		8
3	Automated system for annotating and retrieving images. , 2011, , .		O
4	Finger Vein Recognition Using Local Line Binary Pattern. Sensors, 2011, 11, 11357-11371.	3.8	234
5	Local Binary Patterns for Still Images. Computational Imaging and Vision, 2011, , 13-47.	0.6	135
6	On the Occurrence Probability of Local Binary Patterns: AÂTheoretical Study. Journal of Mathematical Imaging and Vision, 2011, 40, 259-268.	1.3	28
7	Combining shape, texture and intensity features for cell nuclei extraction in Pap smear images. Pattern Recognition Letters, 2011, 32, 838-853.	4.2	119
8	Texture classification using multimodal Invariant Local Binary Pattern. , 2011, , .		8
9	Atherosclerotic plaque characterization in Optical Coherence Tomography images., 2011, 2011, 4485-8.		16
10	Multimodal image classification using inverted local patterns. , 2011, , .		1
11	Statistical color texture descriptors for histological images analysis. , 2011, , .		19
12	A Noise-Aware Coding Scheme for Texture Classification. Sensors, 2011, 11, 8028-8044.	3.8	6
13	Finger Vein Recognition Based on Local Directional Code. Sensors, 2012, 12, 14937-14952.	3.8	91
14	Using local binary pattern to classify dementia in MRI. , 2012, , .		16
15	A Serious Game for Learning Ultrasound-Guided Needle Placement Skills. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1032-1042.	3.2	43
16	Combining multiple approaches for gene microarray classification. Bioinformatics, 2012, 28, 1151-1157.	4.1	42
17	Local phase quantization for blur-insensitive image analysis. Image and Vision Computing, 2012, 30, 501-512.	4.5	98
18	Radiological image classification using HMMs and Shape contexts. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Support vector machine for breast MR image classification. Computers and Mathematics With Applications, 2012, 64, 1153-1162.	2.7	46
20	Fatigue Detection Based on Regional Local Binary Patterns Histogram and Support Vector Machine. , 2012, , .		3
21	Spatially enhanced local binary pattern. Electronics Letters, 2012, 48, 1590-1591.	1.0	1
22	The Anatomy of an Optical Biopsy Semantic Retrieval System. IEEE MultiMedia, 2012, 19, 16-27.	1.7	6
23	Medical image retrieval system for diagnosis of brain tumor based on classification and content similarity. , $2012$ , , .		4
24	Extended local binary patterns for texture classification. Image and Vision Computing, 2012, 30, 86-99.	4.5	291
25	Random interest regions for object recognition based on texture descriptors and bag of features. Expert Systems With Applications, 2012, 39, 973-977.	7.6	13
26	Survey on LBP based texture descriptors for image classification. Expert Systems With Applications, 2012, 39, 3634-3641.	7.6	230
27	Computing the Principal Local Binary Patterns for face recognition using data mining tools. Expert Systems With Applications, 2012, 39, 7165-7172.	7.6	13
28	Incremental face recognition for large-scale social network services. Pattern Recognition, 2012, 45, 2868-2883.	8.1	44
29	Discriminative features for texture description. Pattern Recognition, 2012, 45, 3834-3843.	8.1	184
30	A Novel Semiautomated Atherosclerotic Plaque Characterization Method Using Grayscale Intravascular Ultrasound Images: Comparison With Virtual Histology. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 391-400.	3.2	37
31	Identification of tumor epithelium and stroma in tissue microarrays using texture analysis. Diagnostic Pathology, 2012, 7, 22.	2.0	119
32	Evaluation of noise robustness for local binary pattern descriptors in texture classification. Eurasip Journal on Image and Video Processing, 2013, 2013, .	2.6	63
33	Subcellular localization using fluorescence imagery: Utilizing ensemble classification with diverse feature extraction strategies and data balancing. Applied Soft Computing Journal, 2013, 13, 4231-4243.	7.2	22
35	Fuzzy local binary patterns: A comparison between Min-Max and Dot-Sum operators in the application of facial expression recognition. , $2013,\ldots$		9
36	A comparison of methods for extracting information from the co-occurrence matrix for subcellular classification. Expert Systems With Applications, 2013, 40, 7457-7467.	7.6	20
37	Noise-Resistant Local Binary Pattern With an Embedded Error-Correction Mechanism. IEEE Transactions on Image Processing, 2013, 22, 4049-4060.	9.8	195

#	Article	IF	CITATIONS
38	The Mesh-LBP: Computing Local Binary Patterns on Discrete Manifolds., 2013,,.		13
39	Face Recognition under Varying Illumination Based on Local Binary Patterns with Circle Threshold. , 2013, , .		2
40	Relaxed local ternary pattern for face recognition. , 2013, , .		37
41	Artificial intelligence techniques for embryo and oocyte classification. Reproductive BioMedicine Online, 2013, 26, 42-49.	2.4	95
42	An ensemble of classifiers based on different texture descriptors for texture classification. Journal of King Saud University - Science, 2013, 25, 235-244.	3.5	17
43	Matrix based cyclic spectral estimator for fast and robust texture classification. Visual Computer, 2013, 29, 1245-1257.	3.5	7
44	A comparative study on local binary pattern (LBP) based face recognition: LBP histogram versus LBP image. Neurocomputing, 2013, 120, 365-379.	5.9	142
45	Multi-ring local binary patterns for rotation invariant texture classification. Neural Computing and Applications, 2013, 22, 793-802.	5.6	8
46	An effective edge extraction method using improved local binary pattern for blurry digital radiography images. NDT and E International, 2013, 53, 26-30.	3.7	15
47	Image classification using local binary pattern operators for static images. , 2013, , .		4
48	Multi-structure local binary patterns for texture classification. Pattern Analysis and Applications, 2013, 16, 595-607.	4.6	16
49	Texture Description Through Histograms of Equivalent Patterns. Journal of Mathematical Imaging and Vision, 2013, 45, 76-102.	1.3	105
50	Rotation and noise invariant near-infrared face recognition by means of Zernike moments and spectral regression discriminant analysis. Journal of Electronic Imaging, 2013, 22, 013030.	0.9	22
51	Texture analysis using local region contrast. Journal of Electronic Imaging, 2013, 22, 023007.	0.9	4
52	A Texture Feature Ranking Model for Predicting Survival Time of Brain Tumor Patients. , 2013, , .		4
53	3D LBP-Based Rotationally Invariant Region Description. Lecture Notes in Computer Science, 2013, , 26-37.	1.3	11
54	Classification of colorectal polyp regions in optical projection tomography., 2013,,.		5
55	An image-based multi-label human protein subcellular localization predictor ( <i>i</i> i>Locator) reveals protein mislocalizations in cancer tissues. Bioinformatics, 2013, 29, 2032-2040.	4.1	56

#	Article	IF	Citations
56	A New Feature Extraction Technique for Person Identification Using Multimodal Biometrics. Research Journal of Applied Sciences, Engineering and Technology, 2014, 8, 1492-1497.	0.1	1
57	Many Local Pattern Texture Features: Which Is Better for Image-Based Multilabel Human Protein Subcellular Localization Classification?. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	3
58	A color texture analysis method based on a gravitational approach for classification of the pap-smear database. , 2014, , .		0
59	An improved local binary pattern for edge detection of images. , 2014, , .		1
60	An integrated approach to Content Based Image Retrieval. , 2014, , .		25
61	Inversion of a radiative transfer model for estimation of rice chlorophyll content using support vector machine. , 2014, , .		2
62	Uterus segmentation in dynamic MRI using LBP texture descriptors. , 2014, , .		2
63	RSURF: The efficient texture-based descriptor for fluorescence microscopy images of HEp-2 cells. , 2014, , .		10
64	Texture Image Classification with Improved Weber Local Descriptor. Lecture Notes in Computer Science, 2014, , 684-692.	1.3	5
65	Methodology for fully automated segmentation and plaque characterization in intracoronary optical coherence tomography images. Journal of Biomedical Optics, 2014, 19, 026009.	2.6	87
66	Improving breast mass detection using histogram of oriented gradients. Proceedings of SPIE, 2014, , .	0.8	11
67	Lesion Detection in Breast Ultrasound Images Using Tissue Transition Analysis. , 2014, , .		1
68	Introduction to Local Binary Patterns: New Variants and Applications. Studies in Computational Intelligence, 2014, , 1-13.	0.9	14
69	Scattering features for lung cancer detection in fibered confocal fluorescence microscopy images. Artificial Intelligence in Medicine, 2014, 61, 105-118.	6.5	23
70	Combining LBP Difference and Feature Correlation for Texture Description. IEEE Transactions on Image Processing, 2014, 23, 2557-2568.	9.8	105
71	Local Binary Pattern for automatic detection of Acute Lymphoblastic Leukemia. , 2014, , .		42
72	Automationâ€assisted cervical cancer screening in manual liquidâ€based cytology with hematoxylin and eosin staining. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 214-230.	1.5	78
73	Ternary encoding based feature extraction for binary text classification. Applied Intelligence, 2014, 41, 310-326.	5.3	6

#	ARTICLE	IF	Citations
74	Concave-convex local binary features for automatic target recognition in infrared imagery. Eurasip Journal on Image and Video Processing, 2014, 2014, .	2.6	18
75	Content-Based Image Retrieval of Axial Brain Slices Using a Novel LBP with a Ternary Encoding. Computer Journal, 2014, 57, 1383-1394.	2.4	4
76	Near infrared face recognition by combining Zernike moments and undecimated discrete wavelet transform., 2014, 31, 13-27.		48
77	Image-based classification of protein subcellular location patterns in human reproductive tissue by ensemble learning global and local features. Neurocomputing, 2014, 131, 113-123.	5.9	29
78	Handwritten Bangla numeral recognition using Local Binary Pattern. , 2015, , .		49
79	Automated image-based protein subcellular location prediction in human reproductive tissue based on ensemble learning global and local patterns. International Journal of Wireless and Mobile Computing, 2015, 8, 367.	0.2	0
80	Noise-resistant local binary pattern based on random projection., 2015,,.		0
81	Two decades of local binary patterns. , 2015, , 175-210.		43
82	Gender and texture classification: A comparative analysis using 13 variants of local binary patterns. Pattern Recognition Letters, 2015, 68, 231-238.	4.2	33
83	Optimizing voting classification using cluster analysis on medical diagnosis data. , 2015, , .		2
84	Performance evaluation of Completed Local Ternary Patterns (CLTP) for medical, scene and event image categorisation., 2015,,.		7
85	Texture classification using uniform rotation invariant gradient. , 2015, , .		0
86	Efficient data mining for local binary pattern in texture image analysis. Expert Systems With Applications, 2015, 42, 4529-4539.	7.6	19
87	Computer vision for virus image classification. Biosystems Engineering, 2015, 138, 11-22.	4.3	29
88	Discrimination between tumour epithelium and stroma via perception-based features. Neurocomputing, 2015, 154, 119-126.	5.9	53
89	Breast Density Analysis Using an Automatic Density Segmentation Algorithm. Journal of Digital Imaging, 2015, 28, 604-612.	2.9	40
90	Two novel local binary pattern descriptors for texture analysis. Applied Soft Computing Journal, 2015, 34, 728-735.	7.2	64
91	Improved Local Ternary Patterns for Automatic Target Recognition in Infrared Imagery. Sensors, 2015, 15, 6399-6418.	3.8	18

#	Article	IF	CITATIONS
92	Dominant local binary patterns for texture classification: Labelled or unlabelled? Pattern Recognition Letters, 2015, 65, 8-14.	4.2	31
93	Cardiac magnetic resonance image-based classification of the risk of arrhythmias in post-myocardial infarction patients. Artificial Intelligence in Medicine, 2015, 64, 205-215.	6.5	47
94	Near infrared face recognition using Zernike moments and Hermite kernels. Information Sciences, 2015, 316, 234-245.	6.9	55
95	Exploring space–frequency co-occurrences via local quantized patterns for texture representation. Pattern Recognition, 2015, 48, 2621-2632.	8.1	36
96	A computer-aided automated methodology for the detection and classification of occlusal caries from photographic color images. Computers in Biology and Medicine, 2015, 62, 119-135.	7.0	46
97	A local binary pattern based texture descriptors for classification of tea leaves. Neurocomputing, 2015, 168, 1011-1023.	5.9	97
98	Automatic determination of NET (neutrophil extracellular traps) coverage in fluorescent microscopy images. Bioinformatics, 2015, 31, 2364-2370.	4.1	26
99	Local \$N\$ -Ary Pattern and Its Extension for Texture Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1495-1506.	8.3	20
100	Image compression techniques using Local Binary Pattern. , 2015, , .		4
101	Globally rotation invariant multi-scale co-occurrence local binary pattern. Image and Vision Computing, 2015, 43, 16-26.	4.5	33
102	Single template object detector based on histogram of oriented gradients. , 2015, , .		1
103	A Gravitational Model for Grayscale Texture Classification Applied to the pap-smear Database. Lecture Notes in Computer Science, 2015, , 332-339.	1.3	1
104	Human cell structure-driven model construction for predicting protein subcellular location from biological images. Bioinformatics, 2016, 32, 114-121.	4.1	22
105	The Mesh-LBP: A Framework for Extracting Local Binary Patterns From Discrete Manifolds. IEEE Transactions on Image Processing, 2015, 24, 220-235.	9.8	53
106	Automated lung cancer detection by the analysis of glandular cells in sputum cytology images using scale space features. Signal, Image and Video Processing, 2015, 9, 851-863.	2.7	11
107	Background suppressing Gabor energy filtering. Pattern Recognition Letters, 2015, 52, 40-47.	4.2	9
108	Effective texture classification by texton encoding induced statistical features. Pattern Recognition, 2015, 48, 447-457.	8.1	37
109	Noise Tolerant Histogram Voting for Gender Classification Based on LBP. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-6.	0.4	O

#	ARTICLE	IF	CITATIONS
110	Texture Descriptors Ensembles Enable Image-Based Classification of Maturation of Human Stem Cell-Derived Retinal Pigmented Epithelium. PLoS ONE, 2016, 11, e0149399.	2.5	16
111	Directional local ternary quantized extrema pattern: A new descriptor for biomedical image indexing and retrieval. Engineering Science and Technology, an International Journal, 2016, 19, 1895-1909.	3.2	28
112	Abnormal mass classification in breast mammography using rotation invariant LBP. , 2016, , .		4
113	Document Image Retrieval Based on Texture Features: A Recognition-Free Approach., 2016,,.		3
114	Classifying digital X-ray images into different human body parts. , 2016, , .		3
115	Capturing correlations of local features for image representation. Neurocomputing, 2016, 184, 99-106.	5.9	33
116	An investigation on the use of local multi-resolution patterns for image classification. Information Sciences, 2016, 361-362, 1-13.	6.9	18
117	Finger Vein Recognition via Local Multilayer Ternary Pattern. Lecture Notes in Computer Science, 2016, , 271-278.	1.3	0
118	Topological Attribute Patterns for texture recognition. Pattern Recognition Letters, 2016, 80, 91-97.	4.2	17
119	Binary codes for tagging x-ray images via deep de-noising autoencoders. , 2016, , .		8
120	LBP features for breast cancer detection. , 2016, , .		31
121	Detection of Alzheimer's disease using advanced local binary pattern from hippocampus and whole brain of MR images. , 2016, , .		26
122	Fuzzy threshold-based uniform local binary patterns for hyperspectral imagery classification. , 2016, , .		3
123	Near infrared face recognition: A literature survey. Computer Science Review, 2016, 21, 1-17.	<b>15.</b> 3	27
124	Discriminative local binary pattern. Machine Vision and Applications, 2016, 27, 1175-1186.	2.7	2
125	Fruit bruise detection based on 3D meshes and machine learning technologies. Proceedings of SPIE, 2016, , .	0.8	0
126	Biomedical Image Indexing and Retrieval Descriptors: A Comparative Study. Procedia Computer Science, 2016, 85, 954-961.	2.0	10
127	Learnable high-order MGRF models for contrast-invariant texture recognition. Computer Vision and Image Understanding, 2016, 143, 135-146.	4.7	2

#	Article	IF	CITATIONS
128	Multilayer descriptors for medical image classification. Computers in Biology and Medicine, 2016, 72, 239-247.	7.0	11
129	LBP operators on curvelet coefficients as an algorithm to describe texture in breast cancer tissues. Expert Systems With Applications, 2016, 55, 329-340.	7.6	59
130	Median Robust Extended Local Binary Pattern for Texture Classification. IEEE Transactions on Image Processing, 2016, 25, 1368-1381.	9.8	321
131	Local tri-directional patterns: A new texture feature descriptor for image retrieval., 2016, 51, 62-72.		87
132	Robust Texture Image Representation by Scale Selective Local Binary Patterns. IEEE Transactions on Image Processing, 2016, 25, 687-699.	9.8	107
133	Statistical binary patterns for rotational invariant texture classification. Neurocomputing, 2016, 173, 1565-1577.	5.9	56
134	Scalable gastroscopic video summarization via similar-inhibition dictionary selection. Artificial Intelligence in Medicine, 2016, 66, 1-13.	6.5	31
135	Retinal Disease Screening Through Local Binary Patterns. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 184-192.	6.3	57
136	Content-Adaptive Region-Based Color Texture Descriptors for Medical Images. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 162-171.	6.3	23
137	A texture-based rolling bearing fault diagnosis scheme using adaptive optimal kernel time frequency representation and uniform local binary patterns. Measurement Science and Technology, 2017, 28, 035903.	2.6	9
138	Local binary circumferential and radial derivative pattern for texture classification. Pattern Recognition, 2017, 67, 213-229.	8.1	31
139	Recognition of natural ice types on in-service glass insulators based on texture feature descriptor. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 535-542.	2.9	32
140	Deep model-based feature extraction for predicting protein subcellular localizations from bio-images. Frontiers of Computer Science, 2017, 11, 243-252.	2.4	16
141	Application of local binary pattern and human visual Fibonacci texture features for classification different medical images. , 2017, , .		0
142	Image Analysis and Recognition. Lecture Notes in Computer Science, 2017, , .	1.3	12
143	DeepPap: Deep Convolutional Networks for Cervical Cell Classification. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1633-1643.	6.3	317
144	Maximal similarity based region classification method through local image region descriptors and Bhattacharyya coefficient-based distance: Application to horizon line detection using wide-angle camera. Neurocomputing, 2017, 265, 28-41.	5.9	8
145	Spotting L3 slice in CT scans using deep convolutional network and transfer learning. Computers in Biology and Medicine, 2017, 87, 95-103.	7.0	51

#	Article	IF	CITATIONS
146	Multi-gradient features and elongated quinary pattern encoding for image-based facial expression recognition. Pattern Recognition, 2017, 71, 249-263.	8.1	30
147	Classification of cardiovascular tissues using LBP based descriptors and a cascade SVM. Computer Methods and Programs in Biomedicine, 2017, 147, 1-10.	4.7	26
148	An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors. Expert Systems With Applications, 2017, 82, 27-39.	7.6	9
150	Keypoints Detection and Feature Extraction: A Dynamic Genetic Programming Approach for Evolving Rotation-Invariant Texture Image Descriptors. IEEE Transactions on Evolutionary Computation, 2017, 21, 825-844.	10.0	56
151	A Novel Method for Describing Texture of Scar Collagen Using Second Harmonic Generation Images. IEEE Photonics Journal, 2017, 9, 1-13.	2.0	2
152	A comparative study of using the LBC format for compressing medical images. , 2017, , .		0
153	Performance Analysis of Statistical Pattern Recognition Methods in KEEL. Procedia Computer Science, 2017, 112, 2022-2030.	2.0	4
154	An improved edge detection approach and its application in defect detection. IOP Conference Series: Materials Science and Engineering, 2017, 244, 012017.	0.6	8
155	Automatic Classification of Cancerous Tissue in Laserendomicroscopy Images of the Oral Cavity using Deep Learning. Scientific Reports, 2017, 7, 11979.	3.3	194
156	Random Sampling Local Binary Pattern Encoding Based on Gaussian Distribution. IEEE Signal Processing Letters, 2017, 24, 1358-1362.	3.6	13
157	Local quantized extrema quinary pattern: a new descriptor for biomedical image indexing and retrieval. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2017, , 1-17.	1.9	7
158	Local binary features for texture classification: Taxonomy and experimental study. Pattern Recognition, 2017, 62, 135-160.	8.1	291
159	Classification of diabetic retinopathy using textural features in retinal color fundus image., 2017,,.		7
160	Content-Based Image Retrieval Techniques: A Review. , 2017, , 29-48.		15
161	Generating Cancelable Palmprint Templates Using Local Binary Pattern and Random Projection. , 2017, , .		8
162	A Review of Texture Classification Methods and Databases. , 2017, , .		25
163	Classification and Retrieval of Digital Pathology Scans: A New Dataset. , 2017, , .		33
164	Fast local binary pattern: Application to document image retrieval. , 2017, , .		1

#	Article	IF	Citations
165	Image processing and machine learning applied for condition monitoring of $11\text{-kV}$ power distribution line insulators using curvelet and LTP features. , 2017, , .		3
166	Performance Analysis of Local Binary Pattern Features with PCA for Face Recognition. Indian Journal of Science and Technology, 2017, 10, 1-10.	0.7	2
167	Identification of Bruised Apples Using a 3-D Multi-Order Local Binary Patterns Based Feature Extraction Algorithm. IEEE Access, 2018, 6, 34846-34862.	4.2	11
168	Medical Image Classification with Hand-Designed or Machine-Designed Texture Descriptors: A Performance Evaluation. Lecture Notes in Computer Science, 2018, , 266-275.	1.3	14
169	Local directional ternary pattern: A New texture descriptor for texture classification. Computer Vision and Image Understanding, 2018, 169, 14-27.	4.7	64
170	Efficient computational model for classification of protein localization images using Extended Threshold Adjacency Statistics and Support Vector Machines. Computer Methods and Programs in Biomedicine, 2018, 157, 205-215.	4.7	10
171	Randomized Neural Network Based Signature for Classification of Titanium Alloy Microstructures. Lecture Notes in Computer Science, 2018, , 669-676.	1.3	1
172	Pap-smear Image Classification Using Randomized Neural Network Based Signature. Lecture Notes in Computer Science, 2018, , 677-684.	1.3	2
173	Repulsive-and-attractive local binary gradient contours: New and efficient feature descriptors for texture classification. Information Sciences, 2018, 467, 634-653.	6.9	44
174	Texture and Gene Expression Analysis of the MRI Brain in Detection of Alzheimer's Disease. Journal of Artificial Intelligence and Soft Computing Research, 2018, 8, 111-120.	4.3	12
175	Accessible Melanoma Detection Using Smartphones and Mobile Image Analysis. IEEE Transactions on Multimedia, 2018, 20, 2849-2864.	7.2	50
176	Biomedical image retrieval using microscopic configuration with local structural information. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	2
177	Local mesh ternary patterns: a new descriptor for MRI and CT biomedical image indexing and retrieval. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 155-169.	1.9	11
178	Quantitative analysis of cervical texture by ultrasound in midâ€pregnancy and association with spontaneous preterm birth. Ultrasound in Obstetrics and Gynecology, 2018, 51, 637-643.	1.7	22
179	An Organelle Correlation-Guided Feature Selection Approach for Classifying Multi-Label Subcellular Bio-Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 828-838.	3.0	16
180	Local contourlet tetra pattern for image retrieval. Signal, Image and Video Processing, 2018, 12, 591-598.	2.7	13
181	Large-scale retrieval for medical image analytics: A comprehensive review. Medical Image Analysis, 2018, 43, 66-84.	11.6	151
182	2D and 3D texture analysis to differentiate brain metastases on MR images: proceed with caution. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 285-294.	2.0	22

#	Article	IF	CITATIONS
183	Parallel deep solutions for image retrieval from imbalanced medical imaging archives. Applied Soft Computing Journal, 2018, 63, 197-205.	7.2	49
184	Machine learning in pain research. Pain, 2018, 159, 623-630.	4.2	122
185	A Review of Automated Pain Assessment in Infants: Features, Classification Tasks, and Databases. IEEE Reviews in Biomedical Engineering, 2018, 11, 77-96.	18.0	58
186	Local Concave-and-Convex Micro-Structure Patterns for texture classification. Pattern Recognition, 2018, 76, 303-322.	8.1	53
187	ULBP-RF: A Hybrid Approach for Malware Image Classification. , 2018, , .		4
188	Content Based Image Retrieval Using Wavelet Moments and Local Binary Patterns in CIE-L*a*b* Color Space. , 2018, , .		1
189	Improving the Performance of Spiral Local Binary Pattern Using Edge Information., 2018,,.		0
190	pyHIVE, a health-related image visualization and engineering system using Python. BMC Bioinformatics, 2018, 19, 452.	2.6	5
191	DeepCerv: Deep Neural Network for Segmentation Free Robust Cervical Cell Classification. Lecture Notes in Computer Science, 2018, , 86-94.	1.3	10
192	A comprehensive review of fruit and vegetable classificationÂtechniques. Image and Vision Computing, 2018, 80, 24-44.	4.5	117
193	Local spatio-temporal encoding of raw perfusion MRI for the prediction of final lesion in stroke. Medical Image Analysis, 2018, 50, 117-126.	11.6	23
194	Thin Cap Fibroatheroma Detection in Virtual Histology Images Using Geometric and Texture Features. Applied Sciences (Switzerland), 2018, 8, 1632.	2.5	6
195	Breast Tissue Classification Using Local Binary Pattern Variants: A Comparative Study. Communications in Computer and Information Science, 2018, , 143-152.	0.5	6
196	Review on Local Feature Descriptors for Early Detection of Alzheimer's Disease. , 2018, , .		2
197	An intelligent vision-based approach for helmet identification for work safety. Computers in Industry, 2018, 100, 267-277.	9.9	62
198	Histogram-based local descriptors for facial expression recognition (FER): A comprehensive study. Journal of Visual Communication and Image Representation, 2018, 55, 331-341.	2.8	63
199	TriZ-a rotation-tolerant image feature and its application in endoscope-based disease diagnosis. Computers in Biology and Medicine, 2018, 99, 182-190.	7.0	15
200	Local Neighborhood Intensity Pattern–A new texture feature descriptor for image retrieval. Expert Systems With Applications, 2018, 113, 100-115.	7.6	65

#	Article	IF	CITATIONS
201	Breast Density Classification Using Local Quinary Patterns with Various Neighbourhood Topologies. Journal of Imaging, 2018, 4, 14.	3.0	52
202	Some variants of spiral LBP in texture recognition. IET Image Processing, 2018, 12, 1388-1393.	2.5	9
203	Modeling of facial aging and kinship: A survey. Image and Vision Computing, 2018, 80, 58-79.	4.5	20
204	Local curve pattern for content-based image retrieval. Pattern Analysis and Applications, 2019, 22, 1233-1242.	4.6	11
205	An investigation of CNN models for differentiating malignant from benign lesions using small pathologically proven datasets. Computerized Medical Imaging and Graphics, 2019, 77, 101645.	5.8	34
206	Pap smear classification using combination of global significant value, texture statistical features and time series features. Multimedia Tools and Applications, 2019, 78, 31121-31136.	3.9	35
207	Learning sparse discriminant low-rank features for low-resolution face recognition. Journal of Visual Communication and Image Representation, 2019, 63, 102590.	2.8	7
208	A novel and accurate chess pattern for automated texture classification. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122584.	2.6	13
209	Analytics-statistics mixed training and its fitness to semisupervised manufacturing. PLoS ONE, 2019, 14, e0220607.	2.5	4
210	MIC_Locator: a novel image-based protein subcellular location multi-label prediction model based on multi-scale monogenic signal representation and intensity encoding strategy. BMC Bioinformatics, 2019, 20, 522.	2.6	17
211	Hybrid feature vector based detection of Glaucoma. Multimedia Tools and Applications, 2019, 78, 34247-34276.	3.9	9
212	Integrating Five Feature Types Extracted From Ultrasonograms to Improve the Prediction of Thyroid Papillary Carcinoma. IEEE Access, 2019, 7, 101820-101828.	4.2	3
213	Breast Density Classification using Local Septenary Patterns: A Multi-resolution and Multi-topology Approach. , 2019, , .		5
214	Multi-modal Fusion Based Automatic Pain Assessment. , 2019, , .		2
215	A Convolutional Neural Network for the automatic diagnosis of collagen VI-related muscular dystrophies. Applied Soft Computing Journal, 2019, 85, 105772.	7.2	5
216	Fluorescence microscopy image classification of 2D HeLa cells based on the CapsNet neural network. Medical and Biological Engineering and Computing, 2019, 57, 1187-1198.	2.8	22
217	LBP-Motivated Colour Texture Classification. Lecture Notes in Computer Science, 2019, , 517-533.	1.3	1
218	An improved local binary pattern based edge detection algorithm for noisy images. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2043-2054.	1.4	15

#	ARTICLE	IF	CITATIONS
219	Fine-Grained Classification of Cervical Cells Using Morphological and Appearance Based Convolutional Neural Networks. IEEE Access, 2019, 7, 71541-71549.	4.2	74
220	Robust Adaptive Median Binary Pattern for Noisy Texture Classification and Retrieval. IEEE Transactions on Image Processing, 2019, 28, 5407-5418.	9.8	31
221	Automatic detection of intracranial aneurysm using LBP and Fourier descriptor in angiographic images. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1353-1364.	2.8	8
222	A Survey on an Emerging Area: Deep Learning for Smart City Data. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 392-410.	4.9	97
224	Comparative Study on Local Binary Patterns for Mammographic Density and Risk Scoring. Journal of Imaging, 2019, 5, 24.	3.0	25
225	Feature Extraction of Normalized Colorectal Cancer Histopathology Images. Advances in Intelligent Systems and Computing, 2019, , 473-486.	0.6	2
226	A novel neural network based image descriptor for texture classification. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120955.	2.6	10
227	Automatic Identification of Acute Lymphoblastic Leukemia on Blood Cell An image Using Geometric Features. IOP Conference Series: Materials Science and Engineering, 2019, 462, 012018.	0.6	2
228	Medical Imaging using Machine Learning and Deep Learning Algorithms: A Review., 2019,,.		89
229	Deep learning and transfer learning features for plankton classification. Ecological Informatics, 2019, 51, 33-43.	5.2	117
230	Texture image Classification based on improved local Quinary patterns. Multimedia Tools and Applications, 2019, 78, 18995-19018.	3.9	33
231	Constrained Nonnegative Matrix Factorization for Image-based Protein Subcellular Localization Prediction., 2019,,.		O
232	Generic Isolated Cell Image Generator. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 1198-1206.	1.5	8
233	Description of breast density based on a homogeneity representation. , 2019, , .		0
234	Machine Learning-Based Classification of the Health State of Mice Colon in Cancer Study from Confocal Laser Endomicroscopy. Scientific Reports, 2019, 9, 20010.	3.3	8
235	CNN-Based Refactoring of Hand-Designed Filters for Texture Analysis: A Classic Revisited. IEEE Access, 2019, 7, 173076-173085.	4.2	3
236	Attractive-and-repulsive center-symmetric local binary patterns for texture classification. Engineering Applications of Artificial Intelligence, 2019, 78, 158-172.	8.1	62
237	Counting local n-ary patterns. Pattern Recognition Letters, 2019, 117, 24-29.	4.2	3

#	ARTICLE	IF	CITATIONS
238	Texture descriptors for representing feature vectors. Expert Systems With Applications, 2019, 122, 163-172.	7.6	3
239	A dynamic thresholdâ€based local mesh ternary pattern technique for biomedical image retrieval. International Journal of Imaging Systems and Technology, 2019, 29, 168-179.	4.1	4
240	From BoW to CNN: Two Decades of Texture Representation for Texture Classification. International Journal of Computer Vision, 2019, 127, 74-109.	15.6	247
242	A novel binary feature descriptor to discriminate normal and abnormal chest CT images using dissimilarity measures. Pattern Analysis and Applications, 2019, 22, 1517-1526.	4.6	8
243	Texture Feature Extraction Methods: A Survey. IEEE Access, 2019, 7, 8975-9000.	4.2	276
244	DLGBD: A directional local gradient based descriptor for face recognition. Multimedia Tools and Applications, 2019, 78, 15909-15928.	3.9	9
245	A comparative study of different texture features for document image retrieval. Expert Systems With Applications, 2019, 121, 97-114.	7.6	21
246	Clinical Feasibility of Quantitative Ultrasound Texture Analysis: A Robustness Study Using Fetal Lung Ultrasound Images. Journal of Ultrasound in Medicine, 2019, 38, 1459-1476.	1.7	9
247	Local binary patterns for noise-tolerant sEMG classification. Signal, Image and Video Processing, 2019, 13, 491-498.	2.7	10
248	Classification of PASCAL Dataset Using Local Features and Neural Network. Advances in Intelligent Systems and Computing, 2019, , 389-400.	0.6	0
249	Bioimage Classification with Handcrafted and Learned Features. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 874-885.	3.0	29
250	Decision-level fusion scheme for nasopharyngeal carcinoma identification using machine learning techniques. Neural Computing and Applications, 2020, 32, 625-638.	5.6	81
251	Dynamic Texture Segmentation Approaches for Natural and Manmade Cases: Survey and Experimentation. Archives of Computational Methods in Engineering, 2020, 27, 285-297.	10.2	1
252	On the use of ear and profile faces for distinguishing identical twins and nontwins. Expert Systems, 2020, 37, e12389.	4.5	5
253	Bioimage-Based Prediction of Protein Subcellular Location in Human Tissue with Ensemble Features and Deep Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1966-1980.	3.0	16
254	A novel feature descriptor for image retrieval by combining modified color histogram and diagonally symmetric co-occurrence texture pattern. Pattern Analysis and Applications, 2020, 23, 703-723.	4.6	41
255	Noise-tolerant texture feature extraction through directional thresholded local binary pattern. Visual Computer, 2020, 36, 967-987.	3.5	14
256	Local bit-plane decoded convolutional neural network features for biomedical image retrieval.  Neural Computing and Applications, 2020, 32, 7539-7551.	5.6	23

#	Article	IF	CITATIONS
257	Multiple writer retrieval systems based on language independent dissimilarity learning. Expert Systems With Applications, 2020, 143, 113023.	7.6	5
258	A Multiscale Hierarchical Threshold-Based Completed Local Entropy Binary Pattern for Texture Classification. Cognitive Computation, 2020, 12, 224-237.	5.2	8
259	Source Printer Classification Using Printer Specific Local Texture Descriptor. IEEE Transactions on Information Forensics and Security, 2020, 15, 160-171.	6.9	12
260	Classification of CT Scan Images of Lungs Using Deep Convolutional Neural Network with External Shape-Based Features. Journal of Digital Imaging, 2020, 33, 252-261.	2.9	8
261	Local gradient of gradient pattern: a robust image descriptor for the classification of brain strokes from computed tomography images. Pattern Analysis and Applications, 2020, 23, 797-817.	4.6	16
262	ShapeWordle: Tailoring Wordles using Shape-aware Archimedean Spirals. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 991-1000.	4.4	8
263	Short-Term Person Re-identification Using RGB, Depth and Skeleton Information of RGB-D Sensors. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 669-681.	2.3	7
264	Survey on deep learning for pulmonary medical imaging. Frontiers of Medicine, 2020, 14, 450-469.	3.4	61
265	A Class-Independent Texture-Separation Method Based on a Pixel-Wise Binary Classification. Sensors, 2020, 20, 5432.	3.8	2
266	The Influence of CLBP Window Size on Urban Vegetation Type Classification Using High Spatial Resolution Satellite Images. Remote Sensing, 2020, 12, 3393.	4.0	3
267	Using an ontology of the human cardiovascular system to improve the classification of histological images. Scientific Reports, 2020, 10, 12276.	3.3	4
268	Improving Computer-Aided Cervical Cells Classification Using Transfer Learning Based Snapshot Ensemble. Applied Sciences (Switzerland), 2020, 10, 7292.	2.5	18
269	A completed local shrinkage pattern for texture classification. Applied Soft Computing Journal, 2020, 97, 106830.	7.2	8
270	New local binary pattern approaches based on color channels in texture classification. Multimedia Tools and Applications, 2020, 79, 32541-32561.	3.9	8
271	Directional Neighborhood Topologies Based Multi-Scale Quinary Pattern for Texture Classification. IEEE Access, 2020, 8, 212233-212246.	4.2	5
272	An Automatic Mass Screening System for Cervical Cancer Detection Based on Convolutional Neural Network. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	8
273	COVID-19 identification in chest X-ray images on flat and hierarchical classification scenarios. Computer Methods and Programs in Biomedicine, 2020, 194, 105532.	4.7	354
274	Towards more discriminative features for texture recognition. Pattern Recognition, 2020, 107, 107473.	8.1	5

#	Article	IF	Citations
275	Breast density classification in mammograms: An investigation of encoding techniques in binary-based local patterns. Computers in Biology and Medicine, 2020, 122, 103842.	7.0	17
276	O3S-MTP: Oriented star sampling structure based multi-scale ternary pattern for texture classification. Signal Processing: Image Communication, 2020, 84, 115830.	3.2	6
277	A Survey for Cervical Cytopathology Image Analysis Using Deep Learning. IEEE Access, 2020, 8, 61687-61710.	4.2	77
278	The top 100 most cited articles in medical artificial intelligence: a bibliometric analysis. Journal of Medical Artificial Intelligence, 2020, 3, 3-3.	1.1	5
279	Multi-Resolution Intrinsic Texture Geometry-Based Local Binary Pattern for Texture Classification. IEEE Access, 2020, 8, 54415-54430.	4.2	25
280	Fractional Local Neighborhood Intensity Pattern for Image Retrieval using Genetic Algorithm. Multimedia Tools and Applications, 2020, 79, 18527-18552.	3.9	11
281	Quaternary Census Transform Based on the Human Visual System for Stereo Matching. IEEE Access, 2020, 8, 116501-116514.	4.2	7
282	Data fusion strategies for energy efficiency in buildings: Overview, challenges and novel orientations. Information Fusion, 2020, 64, 99-120.	19.1	46
283	Application of Texture Descriptors to Facial Emotion Recognition in Infants. Applied Sciences (Switzerland), 2020, 10, 1115.	2.5	9
284	Retrieval of colour and texture images using local directional peak valley binary pattern. Pattern Analysis and Applications, 2020, 23, 1569-1585.	4.6	28
285	Classification of retinal fundus image using MS-DRLBP features and CNN-RBF classifier. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8747-8762.	4.9	9
286	Density map and fuzzy classification for breast density by using BI-RADS. Computer Methods and Programs in Biomedicine, 2021, 200, 105825.	4.7	6
287	Robust Texture Features For Emphysema Classification In CT Images. , 2021, , .		5
288	Automatic Classification of Cervical Cells Using Deep Learning Method. IEEE Access, 2021, 9, 32559-32568.	4.2	25
289	An Efficient Gabor Walsh-Hadamard Transform Based Approach for Retrieving Brain Tumor Images From MRI. IEEE Access, 2021, 9, 119078-119089.	4.2	12
290	Texture Analysis and Its Applications in Biomedical Imaging: A Survey. IEEE Reviews in Biomedical Engineering, 2022, 15, 222-246.	18.0	23
291	T2â€weighted magnetic resonance imaging texture as predictor of low back pain: A texture analysisâ€based classification pipeline to symptomatic and asymptomatic cases. Journal of Orthopaedic Research, 2021, 39, 2428-2438.	2.3	11
292	Two-Stage Selective Ensemble of CNN via Deep Tree Training for Medical Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 9194-9207.	9.5	34

#	Article	IF	CITATIONS
293	Trial by trial EEG based BCI for distress versus non distress classification in individuals with ASD. Scientific Reports, 2021, 11, 6000.	3.3	13
294	Cyclist Effort Features: A Novel Technique for Image Texture Characterization Applied to Larynx Cancer Classification in Contact Endoscopyâ€"Narrow Band Imaging. Diagnostics, 2021, 11, 432.	2.6	8
296	Image retrieval based on texture using latent space representation of discrete Fourier transformed maps. Neural Computing and Applications, 2021, 33, 13301-13316.	5.6	4
297	Using handpicked features in conjunction with ResNet-50 for improved detection of COVID-19 from chest X-ray images. Chaos, Solitons and Fractals, 2021, 145, 110749.	5.1	66
298	Ensemble Learner for Covid-19 from Lung X-Ray Images. Journal of Physics: Conference Series, 2021, 1878, 012060.	0.4	0
299	Coronary Plaque Characterization From Optical Coherence Tomography Imaging With a Two-Pathway Cascade Convolutional Neural Network Architecture. Frontiers in Cardiovascular Medicine, 2021, 8, 670502.	2.4	4
300	Extreme Learning Machine based Differentiation of Pulmonary Tuberculosis in Chest Radiographs using Integrated Local Feature Descriptors. Computer Methods and Programs in Biomedicine, 2021, 204, 106058.	4.7	15
301	Combining Spectral and Texture Features of UAV Images for the Remote Estimation of Rice LAI throughout the Entire Growing Season. Remote Sensing, 2021, 13, 3001.	4.0	35
302	A compact multi-pattern encoding descriptor for texture classification., 2021, 114, 103081.		10
303	Early detection of Alzheimer's disease using local binary pattern and convolutional neural network. Multimedia Tools and Applications, 2021, 80, 29585-29600.	3.9	9
304	Automated detection of glaucoma using elongated quinary patterns technique with optical coherence tomography angiogram images. Biomedical Signal Processing and Control, 2021, 69, 102895.	5.7	3
305	Grayscale-inversion and rotation invariant image description with sorted LBP features. Signal Processing: Image Communication, 2021, 99, 116491.	3.2	7
306	Lightweight convolutional neural network with knowledge distillation for cervical cells classification. Biomedical Signal Processing and Control, 2022, 71, 103177.	5.7	25
307	RADIoT: The Unifying Framework for IoT, Radiomics and Deep Learning Modeling. Intelligent Systems Reference Library, 2021, , 109-128.	1.2	9
308	Automated Pain Assessment in Children Using Electrodermal Activity and Video Data Fusion via Machine Learning. IEEE Transactions on Biomedical Engineering, 2022, 69, 422-431.	4.2	15
310	Emotion Recognition to Improve e-Healthcare Systems in Smart Cities. Springer Proceedings in Complexity, 2019, , 245-254.	0.3	9
311	Face Recognition Based on Adaptive Soft Histogram Local Binary Patterns. Lecture Notes in Computer Science, 2013, , 62-70.	1.3	5
312	Research of Improved Algorithm Based on LBP for Face Recognition. Lecture Notes in Computer Science, 2014, , 111-119.	1.3	4

#	Article	IF	Citations
313	Face and Facial Expressions Recognition and Analysis. Human-computer Interaction Series, 2016, , 3-29.	0.6	4
315	Tissues Classification of the Cardiovascular System Using Texture Descriptors. Communications in Computer and Information Science, 2017, , 123-132.	0.5	4
317	Efficient Image Appearance Description Using Dense Sampling Based Local Binary Patterns. Lecture Notes in Computer Science, 2013, , 375-388.	1.3	13
318	Texture Description with Completed Local Quantized Patterns. Lecture Notes in Computer Science, 2013, , 1-10.	1.3	11
319	A Unifying Framework for LBP and Related Methods. Studies in Computational Intelligence, 2014, , 17-46.	0.9	7
320	The Geometric Local Textural Patterns (GLTP). Studies in Computational Intelligence, 2014, , 85-112.	0.9	2
321	Local Configuration Features and Discriminative Learnt Features for Texture Description. Studies in Computational Intelligence, 2014, , 113-129.	0.9	5
322	On the Robustness of Color Texture Descriptors across Illuminants. Lecture Notes in Computer Science, 2013, , 652-662.	1.3	4
323	Texture Features for the Detection of Acute Lymphoblastic Leukemia. Advances in Intelligent Systems and Computing, 2016, , 535-543.	0.6	18
324	Covid-19 Classification Based on Gray-Level Co-occurrence Matrix and Support Vector Machine. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 47-55.	0.7	11
325	Prediction of COVID-19 Using Genetic Deep Learning Convolutional Neural Network (GDCNN). IEEE Access, 2020, 8, 177647-177666.	4.2	80
326	Combining fine texture and coarse color features for color texture classification. Journal of Electronic Imaging, 2017, 26, 1.	0.9	36
327	Improved opponent color local binary patterns: an effective local image descriptor for color texture classification. Journal of Electronic Imaging, 2017, 27, 1.	0.9	35
328	Confident texture-based laryngeal tissue classification for early stage diagnosis support. Journal of Medical Imaging, 2017, 4, 1.	1.5	51
329	Convolutional neural network based automatic plaque characterization for intracoronary optical coherence tomography images. , 2018, , .		16
330	Mammogram breast density classification using mean-elliptical local binary patterns. , 2018, , .		4
331	An Overview and Research Perspective of Local Binary Pattern. Journal of Image and Signal Processing, 2016, 05, 121-146.	0.1	1
332	Identification of Thyroid Cancerous Nodule using Local Binary Pattern Variants in Ultrasound Images. SSRG International Journal of Engineering Trends and Technology, 2017, 49, 369-374.	0.5	2

#	Article	IF	CITATIONS
333	Impact of LBP Topologies as Texture Descriptors on Ethnicity Identification. Journal of Zankoy Sulaimani - Part A, 2016, 18, 207-218.	0.1	2
334	WAVELET BASED SEGMENTATION USING OPTIMAL STATISTICAL FEATURES ON BREAST IMAGES. ICTACT Journal on Image and Video Processing, 2014, 4, 853-857.	0.2	4
335	An improved hyper smoothing function based edge detection algorithm for noisy images. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6325-6335.	1.4	12
336	An Image Matching Algorithm Based on SCCH Feature Descriptor. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 33, 2152-2157.	0.1	3
337	Antibody-supervised deep learning for quantification of tumor-infiltrating immune cells in hematoxylin and eosin stained breast cancer samples. Journal of Pathology Informatics, 2016, 7, 38.	1.7	78
338	Local Zernike Moment Representation for Facial Affect Recognition. , 2013, , .		33
339	TL-SDD: A Transfer Learning-Based Method for Surface Defect Detection with Few Samples. , 2021, , .		5
340	Novel Texture Feature Descriptors Based on Multi-Fractal Analysis and LBP for Classifying Breast Density in Mammograms. Journal of Imaging, 2021, 7, 205.	3.0	7
341	Microscopic Local Binary Pattern for Texture Classification. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1587-1595.	0.3	0
343	A Grammar for Representing Uniform Local Binary Patterns (ULBP). International Journal of Computers & Technology, 2014, 14, 5329-5336.	0.2	1
344	Video Bioinformatics Methods for Analyzing Cell Dynamics: A Survey. Computational Biology, 2015, , 13-56.	0.2	1
345	Global Neighbour Preserving Local Ternary Co-Occurrence Pattern (GNPLTCoP) for Ultrasound Kidney Images Retrieval. Indian Journal of Science and Technology, 2015, 8, 614.	0.7	1
346	Penggabungan Fitur Bentuk dan Fitur Tekstur yang Invariant terhadap Rotasi untuk Klasifikasi Citra Pap Smear. Jurnal Buana Informatika, 2016, 7, .	0.2	0
347	Penggabungan Fitur Tekstur yang Invariant terhadap Iluminasi dan Fitur Bentuk untuk Deteksi Acute Lymphoblastic Leukemia. Jurnal Buana Informatika, 2016, 7, .	0.2	0
348	FREEMAN CHAIN CODE AS REPRESENTATION IN OFFLINE SIGNATURE VERIFICATION SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
349	Multi-Resolution Local Binary Pattern for Assessing Cervical Ripening. International Journal of Signal Processing Systems, 2016, , 499-503.	0.4	0
350	Hellinger Kernel-based Distance and Local Image Region Descriptors for Sky Region Detection from Fisheye Images. , 2017, , .		1
351	Breast Density Classification Using Local Ternary Patterns in Mammograms. Lecture Notes in Computer Science, 2017, , 463-470.	1.3	7

#	Article	IF	CITATIONS
352	Finger Vein and Finger Dorsal Texture Recognition Joint Optimization based on Sparse Representation. , 2017, , .		0
353	A comparative study for using the LBC format for compressing static medical images. Advances in Science, Technology and Engineering Systems, 2017, 2, 1472-1477.	0.5	0
354	Medical, Scene And Event Image Category Recognition Using Completed Local Ternary Patterns (CLTP). Malaysian Journal of Computer Science, 2017, 30, 200-218.	0.8	3
355	Breast Cancer Detection via Mammographic Images: A Survey. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2020, , 173-195.	0.3	0
356	A Local Binary Pattern-Based Method for Color and Multicomponent Texture Analysis. Journal of Signal and Information Processing, 2020, 11, 58-73.	0.4	1
357	A Review on LBP in Image Retrieval System for Future Enhancement and Vector Images. International Journal of Advanced Research in Science, Communication and Technology, 0, , 155-161.	0.0	0
358	Medical Image Retrieval Using Empirical Mode Decomposition with Deep Convolutional Neural Network. BioMed Research International, 2020, 2020, 1-12.	1.9	3
359	Cross-Modality Medical Image Retrieval with Deep Features. , 2020, , .		2
360	Robust Texture Features for Breast Density Classification in Mammograms. , 2020, , .		3
362	Impact of Variation in Number of Channels in CNN Classification model for Cervical Cancer Detection. , 2021, , .		4
363	A local binary patterns/variance operator based on guided filtering for seismic fault detection. SN Applied Sciences, 2021, 3, 1.	2.9	0
364	Colour and Texture Descriptors for Visual Recognition: A Historical Overview. Journal of Imaging, 2021, 7, 245.	3.0	17
365	Grayscale-inversion and rotation invariant image description using local ternary derivative pattern with dominant structure encoding. Expert Systems With Applications, 2022, 191, 116327.	7.6	1
366	Image Classification with Shell Texture Feature Extraction Using Local Binary Pattern (LBP) Method. Applied Technology and Computing Science Journal, 2020, 3, 48-57.	0.4	0
367	An Analysis of Feature Selection Techniques For COVID-19 Detection on Chest X-Ray Data., 2021, , .		0
368	Maximum Entropy based Local Multiple Patterns for Texture Classification. , 2021, , .		0
369	Deep localization of subcellular protein structures from fluorescence microscopy images. Neural Computing and Applications, 2022, 34, 5701.	5.6	1
371	Document Filter for Writer Identification. Communications in Computer and Information Science, 2022, , 172-184.	0.5	0

#	ARTICLE	IF	CITATIONS
372	Facial Detection forÂNeonatal Infant Pain Using Facial Geometry Features andÂLBP. Lecture Notes in Networks and Systems, 2022, , 509-518.	0.7	2
373	COV-ELM classifier: An extreme learning machine based identification of COVID-19 using chest X-ray images. Intelligent Decision Technologies, 2022, 16, 193-203.	0.9	5
374	EEG functional connectivity and deep learning for automatic diagnosis of brain disorders: Alzheimer's disease and schizophrenia. Journal of Physics Complexity, 2022, 3, 025001.	2.2	17
375	Spatial Distribution Analysis of Novel Texture Feature Descriptors for Accurate Breast Density Classification. Sensors, 2022, 22, 2672.	3.8	1
376	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. Applied Sciences (Switzerland), 2022, 12, 3531.	2.5	0
377	Large set microstructure reconstruction mimicking quantum computing approach via deep learning. Acta Materialia, 2022, 230, 117860.	7.9	1
378	MeQryEP: A Texture Based Descriptor for Biomedical Image Retrieval. Journal of Healthcare Engineering, 2022, 2022, 1-20.	1.9	5
380	Hybrid Loss-Constrained Lightweight Convolutional Neural Networks for Cervical Cell Classification. Sensors, 2022, 22, 3272.	3.8	10
381	Local ternary pattern based multi-directional guided mixed mask (MDGMM-LTP) for texture and material classification. Expert Systems With Applications, 2022, 205, 117646.	7.6	2
382	Multi-class nucleus detection and classification using deep convolutional neural network with enhanced high dimensional dissimilarity translation model on cervical cells. Biocybernetics and Biomedical Engineering, 2022, 42, 797-814.	<b>5.</b> 9	14
383	Fast and effective pedestrian detection based on low-level visual features combination. Journal of Electronic Imaging, 2022, 31, .	0.9	0
384	Computed tomography vertebral segmentation from multi-vendor scanner data. Journal of Computational Design and Engineering, 2022, 9, 1650-1664.	3.1	4
385	Building Trust for Postoperative Pain Estimation: Towards Explainable Machine-Learning Prediction Based on Multimodal Indicators. , 2022, , .		1
386	Neutrosophic set based local binary pattern for texture classification. Expert Systems With Applications, 2022, 209, 118350.	7.6	4
387	A Comprehensive Review of Deep Learning-Based Methods for COVID-19 Detection Using Chest X-Ray Images. IEEE Access, 2022, 10, 100763-100785.	4.2	8
388	A Robust Local Texture Descriptor in the Parametric Space of the Weibull Distribution. IEEE Transactions on Multimedia, 2022, , 1-13.	7.2	0
389	Texture Image Analysis Based on Joint of Multi Directions GLCM and Local Ternary Patterns. SSRN Electronic Journal, 0, , .	0.4	0
390	Median arc center corrected binary pattern (MACCBP) for noise robust feature extraction.  Multidimensional Systems and Signal Processing, 0, , .	2.6	1

#	Article	IF	CITATIONS
391	Highâ€content video flow cytometry with digital cell filtering for labelâ€free cell classification by machine learning. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2023, 103, 325-334.	1.5	6
392	Systematic literature review on approaches of extracting image merits. Optik, 2022, 271, 170097.	2.9	O
393	A multi-scale threshold integration encoding strategy for texture classification. Visual Computer, 0, ,	3.5	0
394	PScL-2LSAESM: bioimage-based prediction of protein subcellular localization by integrating heterogeneousÂfeatures with the two-level SAE-SM and mean ensemble method. Bioinformatics, 2023, 39, .	4.1	1
395	Cell Phenotype Classification Based on Joint of Texture Information and Multilayer Feature Extraction in DenseNet. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	2
396	Texture and material classification with multi-scale ternary and septenary patterns. Journal of King Saud University - Computer and Information Sciences, 2022, , .	3.9	0
397	A boon to aged society: Early diagnosis of Alzheimer's disease–An opinion. Frontiers in Public Health, 0, 10, .	2.7	0
398	Transfer learning data adaptation using conflation of lowâ€level textural features. Engineering Reports, 2023, 5, .	1.7	0
399	A modified Local Binary Pattern based on homogeneity criterion for robust edge detection. Signal, Image and Video Processing, $0$ , , .	2.7	0
400	LBP-Based CAD System Designs for Breast Tumor Characterization. EAI/Springer Innovations in Communication and Computing, 2023, , 231-257.	1.1	1
401	Protein Subcellular Localization Prediction by Concatenation of Convolutional Blocks for Deep Features Extraction From Microscopic Images. IEEE Access, 2023, 11, 1057-1073.	4.2	4
402	Texture Segmentation on Synthesized Vascular Image. , 2022, , .		1
403	Cancer Identification in Enteric Nervous System Preclinical Images Using Handcrafted and Automatic Learned Features. Neural Processing Letters, 0, , .	3.2	0
405	A completed parted region local neighborhood energy pattern for texture classification. , 2023, 137, 104031.		1
406	Classification of intracranial hemorrhage CT images based on texture analysis using ensemble-based machine learning algorithms: A comparative study. Biomedical Signal Processing and Control, 2023, 84, 104832.	5.7	4
407	An edge-located uniform pattern recovery mechanism using statistical feature-based optimal center pixel selection strategy for local binary pattern. Expert Systems With Applications, 2023, 221, 119763.	7.6	8
408	Roughness detection method based on image multi-features. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892311549.	2.5	2
409	Deep Learning Based Application in Detecting Wrinkle and Predicting Age. , 2023, , .		0

#	Article	IF	CITATIONS
410	From Local Binary Patterns toÂPixel Difference Networks forÂEfficient Visual Representation Learning. Lecture Notes in Computer Science, 2023, , 138-155.	1.3	0
411	Spatio-temporal modelling with multi-gradient features and elongated quinary pattern descriptor for dynamic facial expression recognition. Pattern Recognition, 2023, 142, 109647.	8.1	4
412	SnapEnsemFS: a snapshot ensembling-based deep feature selection model for colorectal cancer histological analysis. Scientific Reports, 2023, $13$ , .	3.3	2
413	S3-VAE: A novel Supervised-Source-Separation Variational AutoEncoder algorithm to discriminate tumor cell lines in time-lapse microscopy images. Expert Systems With Applications, 2023, 232, 120861.	7.6	1
414	Facial Recognition in Hexagonal Domainâ€"A Frontier Approach. IEEE Access, 2023, 11, 46577-46591.	4.2	1
415	Local triangular-ternary pattern: a novel feature descriptor for plant leaf disease detection. Multimedia Tools and Applications, 2024, 83, 20215-20241.	3.9	0
416	the Finger Vein Recognition Using Deep Learning Technique. Wasit Journal of Computer and Mathematics Science, 2022, 1, 1-7.	0.9	10
418	LMFD: lightweight multi-feature descriptors for image stitching. Scientific Reports, 2023, 13, .	3.3	0
419	Automated facial expression measurement in a longitudinal sample of 4- and 8-month-olds: Baby FaceReader 9 and manual coding of affective expressions. Behavior Research Methods, 0, , .	4.0	О