Alexandre Xavier FalcÃ£o

List of Publications by Year
in descending order

223 papers	6,390 citations	87888 38 h-index	85541 71 g-index
229 all docs	229 docs citations	229 times ranked	4509 citing authors

#	Article	IF	Citations
1	The image foresting transform: theory, algorithms, and applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 19-29.	13.9	462
2	User-Steered Image Segmentation Paradigms: Live Wire and Live Lane. Graphical Models, 1998, 60, 233-260.	1.3	407
3	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. IEEE Transactions on Information Forensics and Security, 2015, 10, 864-879.	6.9	405
4	Supervised pattern classification based on optimumâ€path forest. International Journal of Imaging Systems and Technology, 2009, 19, 120-131.	4.1	325
5	An ultra-fast user-steered image segmentation paradigm: live wire on the fly. IEEE Transactions on Medical Imaging, 2000, 19, 55-62.	8.9	227
6	Efficient supervised optimum-path forest classification for large datasets. Pattern Recognition, 2012, 45, 512-520.	8.1	210
7	Visualizing the Hidden Activity of Artificial Neural Networks. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 101-110.	4.4	198
8	A compact and efficient image retrieval approach based on border/interior pixel classification. , 2002, , .		171
9	Genome-wide association and high-resolution phenotyping link Oryza sativa panicle traits to numerous trait-specific QTL clusters. Nature Communications, 2016, 7, 10527.	12.8	165
10	A genetic programming framework for content-based image retrieval. Pattern Recognition, 2009, 42, 283-292.	8.1	145
11	Duplicate and Conquer: Multiple Homologs of *PHOSPHORUS-STARVATION TOLERANCE1* Enhance Phosphorus Acquisition and Sorghum Performance on Low-Phosphorus Soils Â Â Â. Plant Physiology, 2014, 166, 659-677.	4.8	117
12	A novel algorithm for feature selection using Harmony Search and its application for non-technical losses detection. Computers and Electrical Engineering, 2011, 37, 886-894.	4.8	103
13	A New Approach for Nontechnical Losses Detection Based on Optimum-Path Forest. IEEE Transactions on Power Systems, 2011, 26, 181-189.	6.5	101
14	Data clustering as an optimumâ€path forest problem with applications in image analysis. International Journal of Imaging Systems and Technology, 2009, 19, 50-68.	4.1	98
15	A 3D generalization of user-steered live-wire segmentation. Medical Image Analysis, 2000, 4, 389-402.	11.6	95
16	Interactive Volume Segmentation With Differential Image Foresting Transforms. IEEE Transactions on Medical Imaging, 2004, 23, 1100-1108.	8.9	89
17	A graph-based approach for multiscale shape analysis. Pattern Recognition, 2004, 37, 1163-1174.	8.1	86
18	Contour salience descriptors for effective image retrieval and analysis. Image and Vision Computing, 2007, 25, 3-13.	4.5	84

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19	Body-wide hierarchical fuzzy modeling, recognition, and delineation of anatomy in medical images. Medical Image Analysis, 2014, 18, 752-771.	11.6	81
20	Spoken emotion recognition through optimum-path forest classification using glottal features. Computer Speech and Language, 2010, 24, 445-460.	4.3	70
21	Fuzzy Connectedness Image Segmentation in Graph Cut Formulation: A Linear-Time Algorithm and a Comparative Analysis. Journal of Mathematical Imaging and Vision, 2012, 44, 375-398.	1.3	63
22	High-Resolution Inflorescence Phenotyping Using a Novel Image-Analysis Pipeline, PANorama Â Â. Plant Physiology, 2014, 165, 479-495.	4.8	63
23	Automatic Segmentation and Classification of Human Intestinal Parasites From Microscopy Images. IEEE Transactions on Biomedical Engineering, 2013, 60, 803-812.	4.2	61
24	OpenStreetMap: Challenges and Opportunities in Machine Learning and Remote Sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 184-199.	9.6	60
25	The Ordered Queue and the Optimality of the Watershed Approaches. , 2002, , 341-350.		59
26	Links Between Image Segmentation Based onÂOptimum-Path Forest and Minimum Cut in Graph. Journal of Mathematical Imaging and Vision, 2009, 35, 128-142.	1.3	58
27	Multiscale Classification of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3764-3775.	6.3	55
28	A nature-inspired approach to speed up optimum-path forest clustering and its application to intrusion detection in computer networks. Information Sciences, 2015, 294, 95-108.	6.9	54
29	An Iterative Spanning Forest Framework for Superpixel Segmentation. IEEE Transactions on Image Processing, 2019, 28, 3477-3489.	9.8	53
30	Synergistic arc-weight estimation for interactive image segmentation using graphs. Computer Vision and Image Understanding, 2010, 114, 85-99.	4.7	52
31	New Insights on Nontechnical Losses Characterization Through Evolutionary-Based Feature Selection. IEEE Transactions on Power Delivery, 2012, 27, 140-146.	4.3	52
32	Computer techniques towards the automatic characterization of graphite particles in metallographic images of industrial materials. Expert Systems With Applications, 2013, 40, 590-597.	7.6	50
33	Path-Value Functions for Which Dijkstraâ€™s Algorithm Returns Optimal Mapping. Journal of Mathematical Imaging and Vision, 2018, 60, 1025-1036.	1.3	50
34	Shape feature extraction and description based on tensor scale. Pattern Recognition, 2010, 43, 26-36.	8.1	49
35	Improving semi-supervised learning through optimum connectivity. Pattern Recognition, 2016, 60, 72-85.	8.1	44
36	Active learning paradigms for CBIR systems based on optimum-path forest classification. Pattern Recognition, 2011, 44, 2971-2978.	8.1	43

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37	Evolving technologies for growing, imaging and analyzing 3D root system architecture of crop plants. Journal of Integrative Plant Biology, 2016, 58, 230-241.	8.5	43
38	Optimum-Path Forest based on k-connectivity: Theory and applications. Pattern Recognition Letters, 2017, 87, 117-126.	4.2	43
39	Correcting rural building annotations in OpenStreetMap using convolutional neural networks. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 147, 283-293.	11.1	42
40	Riverbed: A Novel User-Steered Image Segmentation Method Based on Optimum Boundary Tracking. IEEE Transactions on Image Processing, 2012, 21, 3042-3052.	9.8	41
41	An Approach to Iris Contact Lens Detection Based on Deep Image Representations. , 2015, , .		41
42	Joint graph cut and relative fuzzy connectedness image segmentation algorithm. Medical Image Analysis, 2013, 17, 1046-1057.	11.6	39
43	Fuzzy-connected 3D image segmentation at interactive speeds. Graphical Models, 2002, 64, 259-281.	2.4	37
44	Feature selection through gravitational search algorithm. , 2011, , .		37
45	A new symmetry-based method for mid-sagittal plane extraction in neuroimages. , 2011, , .		35
46	Improving Parkinson's disease identification through evolutionary-based feature selection. , 2011, 2011, 7857-60.		35
47	Brain tissue MR-image segmentation via optimum-path forest clustering. Computer Vision and Image Understanding, 2012, 116, 1047-1059.	4.7	34
48	Robust active learning for the diagnosis of parasites. Pattern Recognition, 2015, 48, 3572-3583.	8.1	34
49	Interactive Multiscale Classification of High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2020-2034.	4.9	32
50	A path- and label-cost propagation approach to speedup the training of the optimum-path forest classifier. Pattern Recognition Letters, 2014, 40, 121-127.	4.2	32
51	Projections as visual aids for classification system design. Information Visualization, 2018, 17, 282-305.	1.9	32
52	Learning Person-Specific Representations From Faces in the Wild. IEEE Transactions on Information Forensics and Security, 2014, 9, 2089-2099.	6.9	30
53	<title>Design of connected operators using the image foresting transform</title>. , 2001, 4322, 468.		29
54	Cloud bank: A multiple clouds model and its use in MR brain image segmentation. , 2009, , .		28

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55	Segmentation of sandstone thin section images with separation of touching grains using optimum path forest operators. Computers and Geosciences, 2013, 57, 146-157.	4.2	27
56	Automatic Image Segmentation by Tree Pruning. Journal of Mathematical Imaging and Vision, 2007, 29, 141-162.	1.3	26
57	Vehicle License Plate Recognition With Random Convolutional Networks. , 2014, , .		23
58	HIGH PREVALENCE OF Blastocystis spp. INFECTION IN CHILDREN AND STAFF MEMBERS ATTENDING PUBLIC URBAN SCHOOLS IN SÃƒO PAULO STATE, BRAZIL. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2016, 58, 31.	1.1	22
59	Multi-label semi-supervised classification through optimum-path forest. Information Sciences, 2018, 465, 86-104.	6.9	22
60	Hybrid Approaches for Interactive Image Segmentation Using the Live Markers Paradigm. IEEE Transactions on Image Processing, 2014, 23, 5756-5769.	9.8	21
61	Toward Satellite-Based Land Cover Classification Through Optimum-Path Forest. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6075-6085.	6.3	21
62	Vascular Segmentation in TOF MRA Images of the Brain Using a Deep Convolutional Neural Network. Lecture Notes in Computer Science, 2017, , 39-46.	1.3	21
63	Semi-automatic data annotation guided by feature space projection. Pattern Recognition, 2021, 109, 107612.	8.1	21
64	A Discrete Approach for Supervised Pattern Recognition. , 2008, , 136-147.		21
65	A New Variant of the Optimum-Path Forest Classifier. Lecture Notes in Computer Science, 2008, , 935-944.	1.3	21
66	Robust Pruning of Training Patterns for Optimum-Path Forest Classification Applied to Satellite-Based Rainfall Occurrence Estimation. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 396-400.	3.1	20
67	A historical review of the techniques of recovery of parasites for their detection in human stools. Revista Da Sociedade Brasileira De Medicina Tropical, 2020, 53, e20190535.	0.9	20
68	Fast Non-Technical Losses Identification Through Optimum-Path Forest. , 2009, , .		19
69	IFT-SLIC: A General Framework for Superpixel Generation Based on Simple Linear Iterative Clustering and Image Foresting Transform. , 2015, , .		19
70	Automated diagnosis of human intestinal parasites using optical microscopy images. , 2013, , .		18
71	Improving land cover classification through contextual-based optimum-path forest. Information Sciences, 2015, 324, 60-87.	6.9	18
72	Cell segmentation in 3D confocal images using supervoxel merge-forests with CNN-based hypothesis selection. , 2018, , .		18

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73	ALTIS: A fast and automatic lung and trachea CTâ€‹image segmentation method. Medical Physics, 2019, 46, 4970-4982.	3.0	18
74	Image segmentation using dense and sparse hierarchies of superpixels. Pattern Recognition, 2020, 108, 107532.	8.1	18
75	Object Delineation by -Connected Components. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	17
76	Learning How to Extract Rotation-Invariant and Scale-Invariant Features from Texture Images. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	17
77	A unifying graph-cut image segmentation framework: algorithms it encompasses and equivalences among them. Proceedings of SPIE, 2012, , .	0.8	17
78	Superpixel Segmentation Using Dynamic and Iterative Spanning Forest. IEEE Signal Processing Letters, 2020, 27, 1440-1444.	3.6	17
79	Incorporating multiple distance spaces in optimum-path forest classification to improve feedback-based learning. Computer Vision and Image Understanding, 2012, 116, 510-523.	4.7	16
80	TFâ€‹Test Modified: New Diagnostic Tool for Human Enteroparasitosis. Journal of Clinical Laboratory Analysis, 2016, 30, 293-300.	2.1	16
81	Fuzzy object modeling. Proceedings of SPIE, 2011, , .	0.8	15
82	3D blob based brain tumor detection and segmentation in MR images. , 2014, , .		15
83	Medical image segmentation via atlases and fuzzy object models: Improving efficacy through optimum object search and fewer models. Medical Physics, 2015, 43, 401-410.	3.0	15
84	A new laboratorial method for the diagnosis of gastrointestinal parasites in dogs. Brazilian Journal of Veterinary Parasitology, 2013, 22, 1-5.	0.7	14
85	Efficient and Effective Hierarchical Feature Propagation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4632-4643.	4.9	14
86	An active learning paradigm based on a priori data reduction and organization. Expert Systems With Applications, 2014, 41, 6086-6097.	7.6	14
87	Automated diagnosis of intestinal parasites: A new hybrid approach and its benefits. Computers in Biology and Medicine, 2020, 123, 103917.	7.0	14
88	FCD segmentation using texture asymmetry of MR-T1 images of the brain. , 2008, , .		13
89	Parkinson's disease identification through optimum-path forest. , 2010, 2010, 6087-90.		13
90	Graph-Based Image Segmentation Using Dynamic Trees. Lecture Notes in Computer Science, 2019, , 470-478.	1.3	13

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91	INTELLIGENT UNDERSTANDING OF USER INTERACTION IN IMAGE SEGMENTATION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1265001.	1.2	12
92	Learning CNN Filters From User-Drawn Image Markers for Coconut-Tree Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
93	What is the importance of selecting features for non-technical losses identification?. , 2011, , .		11
94	Comparison of fuzzy connectedness and graph cut segmentation algorithms. Proceedings of SPIE, 2011, , .	0.8	11
95	Automatic anatomy recognition via fuzzy object models. Proceedings of SPIE, 2012, , .	0.8	11
96	Interactive Segmentation by Image Foresting Transform on Superpixel Graphs. , 2013, , .		11
97	On the Training of Artificial Neural Networks with Radial Basis Function Using Optimum-Path Forest Clustering. , 2014, , .		11
98	Contextual superpixel description for remote sensing image classification. , 2015, , .		11
99	Semi-Supervised Learning with Interactive Label Propagation Guided by Feature Space Projections. , 2018, , .		11
100	Deploying machine learning to assist digital humanitarians: making image annotation in OpenStreetMap more efficient. International Journal of Geographical Information Science, 0, , 1-21.	4.8	11
101	Automated Diagnosis of Canine Gastrointestinal Parasites Using Image Analysis. Pathogens, 2020, 9, 139.	2.8	11
102	Clouds: A model for synergistic image segmentation. , 2008, , .		10
103	Choosing the Most Effective Pattern Classification Model under Learning-Time Constraint. PLoS ONE, 2015, 10, e0129947.	2.5	10
104	Fast and accurate holistic face recognition using Optimum-Path Forest. , 2009, , .		9
105	Optimizing Optimum-Path Forest Classification for Huge Datasets. , 2010, , .		9
106	Comparative study of five techniques for the diagnosis of canine gastrointestinal parasites. Brazilian Journal of Veterinary Parasitology, 2015, 24, 223-226.	0.7	9
107	Validation of a new technique to detect Cryptosporidium spp. oocysts in bovine feces. Preventive Veterinary Medicine, 2016, 134, 1-5.	1.9	9
108	A Learning Algorithm for the Optimum-Path Forest Classifier. Lecture Notes in Computer Science, 2009, , 195-204.	1.3	9

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109	Intestinal Parasites Classification Using Deep Belief Networks. Lecture Notes in Computer Science, 2020, , 242-251.	1.3	9
110	How to fix any 3D segmentation interactively via Image Foresting Transform and its use in MRI brain segmentation. , 2011, , .		8
111	Semi-supervised Pattern Classification Using Optimum-Path Forest. , 2014, , .		8
112	Medical image registration based on watershed transform from greyscale marker and multi-scale parameter search. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2017, 5, 138-156.	1.9	8
113	An adaptive probabilistic atlas for anomalous brain segmentation in MR images. Medical Physics, 2019, 46, 4940-4950.	3.0	8
114	The Residual Center of Mass: An Image Descriptor for the Diagnosis of Alzheimer Disease. Neuroinformatics, 2019, 17, 307-321.	2.8	8
115	A Linear-Time Approach for Image Segmentation Using Graph-Cut Measures. Lecture Notes in Computer Science, 2006, , 138-149.	1.3	7
116	3D visualization to assist iterative object definition from medical images. Computerized Medical Imaging and Graphics, 2006, 30, 217-230.	5.8	7
117	Clustering by optimum path forest and its application to automatic GM/WM classification in MR-T1 images of the brain. , 2008, , .		7
118	Elucidating the Relations among Seeded Image Segmentation Methods and their Possible Extensions. , 2011, , .		7
119	Unraveling the Compromise between Skull Stripping and Inhomogeneity Correction in 3T MR Images. , 2012, , .		7
120	A data reduction and organization approach for efficient image annotation. , 2013, , .		7
121	Superpixel-Based Interactive Classification of Very High Resolution Images. , 2014, , .		7
122	Correcting Misaligned Rural Building Annotations in Open Street Map Using Convolutional Neural Networks Evidence. , 2018, , .		7
123	Fast, Accurate and Precise Mid-Sagittal Plane Location in 3D MR Images of the Brain. Communications in Computer and Information Science, 2008, , 278-290.	0.5	7
124	Oropharyngeal dysphagia identification using wavelets and optimum path forest. , 2008, , .		6
125	Automatic fusion of region-based classifiers for coffee crop recognition. , 2012, , .		6
126	IFTrace: Video segmentation of deformable objects using the Image Foresting Transform. Computer Vision and Image Understanding, 2012, 116, 274-291.	4.7	6

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127	Automatic Temporal Segmentation of Vessels of the Brain Using 4D ASL MRA Images. IEEE Transactions on Biomedical Engineering, 2018, 65, 1486-1494.	4.2	6
128	SEGMENT3D: A web-based application for collaborative segmentation of 3D images used in the shoot apical meristem. , 2018, , .		6
129	A Supervoxel-Based Approach for Unsupervised Abnormal Asymmetry Detection in Mr Images of the Brain. , 2019, , .		6
130	An extension of the differential image foresting transform and its application to superpixel generation. Journal of Visual Communication and Image Representation, 2020, 71, 102748.	2.8	6
131	Towards Interactive Image Segmentation by Dynamic and Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 351-364.	1.3	6
132	User-Steered Image Segmentation Using Live Markers. Lecture Notes in Computer Science, 2011, , 211-218.	1.3	6
133	Interactive Classification of Remote Sensing Images by Using Optimum-Path Forest and Genetic Programming. Lecture Notes in Computer Science, 2011, , 300-307.	1.3	6
134	Person-Specific Subspace Analysis for Unconstrained Familiar Face Identification. , 2012, , .		6
135	The iterative image foresting transform and its application to user-steered 3D segmentation. , 2003, , .		5
136	Extending the Differential Image Foresting Transform to Root-Based Path-Cost Functions with Application to Superpixel Segmentation. , 2017, , .		5
137	RISF: Recursive Iterative Spanning Forest for Superpixel Segmentation. , 2018, , .		5
138	Delaunay Triangulation Data Augmentation Guided by Visual Analytics for Deep Learning. , 2018, , .		5
139	Superpixel Segmentation by Object-Based Iterative Spanning Forest. Lecture Notes in Computer Science, 2019, , 334-341.	1.3	5
140	The Importance of Object-Based Seed Sampling for Superpixel Segmentation. , 2019, , .		5
141	Grabber: A tool to improve convergence in interactive image segmentation. Pattern Recognition Letters, 2020, 140, 267-273.	4.2	5
142	Hierarchical learning using deep optimum-path forest. Journal of Visual Communication and Image Representation, 2020, 71, 102823.	2.8	5
143	Improving Neural Network-based Multidimensional Projections. , 2020, , .		5
144	Optimum-Path Forest-Based Rainfall Estimation. , 2009, , .		4

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145	The riverbed approach for user-steered image segmentation. , 2011, , .		4
146	Multiscale 2D medial axes and 3D surface skeletons by the image foresting transform. , 2017, , 43-70.		4
147	Use of the aqueous biphasic system as an alternative for concentration of <i>Ascaris lumbricoides</i> eggs, with nonâ€toxic separation of faecal residues and fats. Tropical Medicine and International Health, 2019, 24, 1320-1329.	2.3	4
148	The Role of Optimum Connectivity in Image Segmentation: Can the Algorithm Learn Object Information During the Process?. Lecture Notes in Computer Science, 2019, , 180-194.	1.3	4
149	TFâ€Test Quantified : a new technique for diagnosis of Schistosoma mansoni eggs. Tropical Medicine and International Health, 2019, 24, 586-595.	2.3	4
150	Investigating the impact of supervoxel segmentation for unsupervised abnormal brain asymmetry detection. Computerized Medical Imaging and Graphics, 2020, 85, 101770.	5.8	4
151	Improving Lung Nodule Detection with Learnable Non-Maximum Suppression. , 2020, , .		4
152	Convolutional neural network simplification with progressive retraining. Pattern Recognition Letters, 2021, 150, 235-241.	4.2	4
153	A Supervoxel-Based Solution to Resume Segmentation for Interactive Correction by Differential Image-Foresting Transforms. Lecture Notes in Computer Science, 2017, , 107-118.	1.3	4
154	Rotation-Invariant Texture Recognition. Lecture Notes in Computer Science, 2007, , 193-204.	1.3	4
155	OPF-MRF: Optimum-Path Forest and Markov Random Fields for Contextual-Based Image Classification. Lecture Notes in Computer Science, 2013, , 233-240.	1.3	4
156	Fast Automatic Microstructural Segmentation of Ferrous Alloy Samples Using Optimum-Path Forest. Lecture Notes in Computer Science, 2010, , 210-220.	1.3	4
157	Feature Learning from Image Markers for Object Delineation. , 2020, , .		4
158	Towards a Simple and Efficient Object-based Superpixel Delineation Framework. , 2021, , .		4
159	Rethinking interactive image segmentation: Feature space annotation. Pattern Recognition, 2022, 131, 108882.	8.1	4
160	Infrared Face Recognition by Optimum-Path Forest. , 2009, , .		3
161	Intelligent Understanding of User Input Applied to Arc-Weight Estimation for Graph-Based Foreground Segmentation. , 2010, , .		3
162	Person-specific face representation for recognition. , 2011, , .		3

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163	GPU-based iterative relative fuzzy connectedness image segmentation. , 2012, , .		3
164	Robot users for the evaluation of boundary-tracking approaches in interactive image segmentation. , 2014, , .		3
165	Learning to Classify Seismic Images with Deep Optimum-Path Forest. , 2016, , .		3
166	Interactive Medical Image Segmentation by Statistical Seed Models. , 2016, , .		3
167	Interactive Coconut Tree Annotation Using Feature Space Projections. , 2019, , .		3
168	A Methodology for Neural Network Architectural Tuning Using Activation Occurrence Maps. , 2019, , .		3
169	An Approach for Asbestos-related Pleural Plaque Detection. , 2020, 2020, 1343-1346.		3
170	Dissolved air flotation as potential new mechanism for intestinal parasite diagnosis in feces. Acta Tropica, 2021, 224, 106137.	2.0	3
171	Graph-Based Supervoxel Computation from Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 404-415.	1.3	3
172	Optimizing Contextual-Based Optimum-Forest Classification through Swarm Intelligence. Lecture Notes in Computer Science, 2013, , 203-214.	1.3	3
173	Precipitates Segmentation from Scanning Electron Microscope Images through Machine Learning Techniques. Lecture Notes in Computer Science, 2011, , 456-468.	1.3	3
174	Medical image segmentation using Object Shape Models: A critical review on recent trends, and alternative directions. , 2015, , 9-15.		3
175	BADRESC: Brain Anomaly Detection based on Registration Errors and Supervoxel Classification. , 2020, , .		3
176	Automated Diagnostics: Advances in the Diagnosis of Intestinal Parasitic Infections in Humans and Animals. Frontiers in Veterinary Science, 2021, 8, 715406.	2.2	3
177	A Fast and Automatic Method for 3D Rigid Registration of MR Images of the Human Brain. , 2008, , .		2
178	A general Image Processing architecture for FPGA. , 2009, , .		2
179	Fast and Robust Object Tracking Using Image Foresting Transform. , 2009, , .		2
180	Robust and fast Vowel Recognition Using Optimum-Path Forest. , 2010, , .		2

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181	Optimum-Path Forest Pruning Parameter Estimation through Harmony Search. , 2011, , .		2
182	Automatic subcortical tissue segmentation of MR images using optimum-path forest clustering. , 2011, , .		2
183	3-D examination of dental fractures with minimum user intervention. Proceedings of SPIE, 2013, , .	0.8	2
184	Remote sensing image representation based on hierarchical histogram propagation. , 2013, , .		2
185	Active Semi-supervised Learning Using Optimum-Path Forest. , 2014, , .		2
186	RECENT ADVANCES ON OPTIMUM-PATH FOREST FOR DATA CLASSIFICATION: SUPERVISED, SEMI-SUPERVISED, AND UNSUPERVISED LEARNING. , 2016, , 109-123.		2
187	A multi-object statistical atlas adaptive for deformable registration errors in anomalous medical image segmentation. Proceedings of SPIE, 2017, , .	0.8	2
188	A methodology for generating four-dimensional arterial spin labeling MR angiography virtual phantoms. Medical Image Analysis, 2019, 56, 184-192.	11.6	2
189	Extending Supervoxel-based Abnormal Brain Asymmetry Detection to the Native Image Space. , 2019, 2019, 450-453.		2
190	Focus-and-Context Skeleton-based Image Simplification using Saliency Maps. , 2021, , .		2
191	Improving Atlas-Based Medical Image Segmentation with a Relaxed Object Search. Lecture Notes in Computer Science, 2014, , 152-163.	1.3	2
192	On the Training Patterns Pruning for Optimum-Path Forest. Lecture Notes in Computer Science, 2009, , 259-268.	1.3	2
193	Modeling normal brain asymmetry in MR images applied to anomaly detection without segmentation and data annotation. , 2019, , .		2
194	A computational method to aid the detection and annotation of pleural lesions in CT images of the thorax. , 2019, , .		2
195	Novel Approaches for Exclusive and Continuous Fingerprint Classification. Lecture Notes in Computer Science, 2009, , 386-397.	1.3	2
196	Semi-supervised Deep Learning Based onÂLabel Propagation inÂaÂ2D Embedded Space. Lecture Notes in Computer Science, 2021, , 371-381.	1.3	2
197	Improving Deep Learning Projections byÂNeighborhood Analysis. Communications in Computer and Information Science, 2022, , 127-152.	0.5	2
198	Hyperspectral data as a proxy for porosity estimation of carbonate rocks. Australian Journal of Earth Sciences, 0, , 1-15.	1.0	2

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199	A Comparative Study among Pattern Classifiers in Interactive Image Segmentation. , 2009, , .		1
200	Medical image segmentation using object atlas versus object cloud models. , 2015, , .		1
201	Vessel segmentation in 4D arterial spin labeling magnetic resonance angiography images of the brain. , 2017, , .		1
202	A Fast and Robust Negative Mining Approach for Enrollment in Face Recognition Systems. , 2017, , .		1
203	Robust cerebrovascular segmentation in 4D ASL MRA images. , 2018, , .		1
204	Long-Range Decoder Skip Connections: Exploiting Multi-Context Information for Cardiac Image Segmentation. , 2019, , .		1
205	Segmentation-based blood flow parameter refinement in cerebrovascular structures using 4D arterial spin labeling MRA. IEEE Transactions on Biomedical Engineering, 2019, 67, 1-1.	4.2	1
206	Development of New Staining Procedures for Diagnosing <i>Cryptosporidium</i> spp. in Fecal Samples by Computerized Image Analysis. Microscopy and Microanalysis, 2021, 27, 1518-1528.	0.4	1
207	Swarm-based Descriptor Combination and its Application for Image Classification. Electronic Letters on Computer Vision and Image Analysis, 2015, 13, .	0.6	1
208	Four-Dimensional ASL MR Angiography Phantoms with Noise Learned by Neural Styling. Lecture Notes in Computer Science, 2018, , 131-139.	1.3	1
209	Learning Visual Dictionaries from Class-Specific Superpixel Segmentation. Lecture Notes in Computer Science, 2019, , 171-182.	1.3	1
210	CNN Filter Learning from Drawn Markers for the Detection of Suggestive Signs of COVID-19 in CT Images. , 2021, 2021, 3169-3172.		1
211	Improving Automated Lung Segmentation in Ct Images by Adding Anomalies Adjacent to the Pleura. , 2022, , .		1
212	Detection of tooth fractures in CBCT images using attention index estimation. , 2014, , .		0
213	Post classification smoothing in sub-decimeter resolution images with semi-supervised label propagation. , 2017, , .		0
214	A Divide-and-Conquer Clustering Approach Based on Optimum-Path Forest. , 2018, , .		0
215	Combining Registration Errors and Supervoxel Classification for Unsupervised Brain Anomaly Detection. Communications in Computer and Information Science, 2021, , 140-164.	0.5	0
216	Design of Pattern Classifiers Using Optimum-Path Forest with Applications in Image Analysis. Lecture Notes in Computer Science, 2010, , 2-2.	1.3	0

#	Article	IF	Citations
217	Improving the Accuracy of the Optimum-Path Forest Supervised Classifier for Large Datasets. Lecture Notes in Computer Science, 2010, , 467-475.	1.3	0
218	Differential and Relaxed Image Foresting Transform for Graph-Cut Segmentation of Multiple 3D Objects. Lecture Notes in Computer Science, 2014, 17, 690-697.	1.3	0
219	The Effect of Labeling Duration and Temporal Resolution on Arterial Transit Time Estimation Accuracy in 4D ASL MRA Datasets - A Flow Phantom Study. Lecture Notes in Computer Science, 2019, , 141-148.	1.3	0
220	Iterative Pseudo-Labeling with Deep Feature Annotation and Confidence-Based Sampling. , 2021, , .		0
221	Theoretical background and related works. , 2022, , 5-54.		0
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223	Future trends in optimum-path forest classification. , 2022, , 217-219.		0