

# Alexandre Xavier Falcão

## List of Publications by Year in descending order

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223  
papers

6,390  
citations

87723

38  
h-index

85405

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.	9.7	462
2	User-Steered Image Segmentation Paradigms: Live Wire and Live Lane. Graphical Models, 1998, 60, 233-260.	1.4	407
3	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. IEEE Transactions on Information Forensics and Security, 2015, 10, 864-879.	4.5	405
4	Supervised pattern classification based on optimum-path forest. International Journal of Imaging Systems and Technology, 2009, 19, 120-131.	2.7	325
5	An ultra-fast user-steered image segmentation paradigm: live wire on the fly. IEEE Transactions on Medical Imaging, 2000, 19, 55-62.	5.4	227
6	Efficient supervised optimum-path forest classification for large datasets. Pattern Recognition, 2012, 45, 512-520.	5.1	210
7	Visualizing the Hidden Activity of Artificial Neural Networks. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 101-110.	2.9	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 <i>Oryza sativa</i> panicle traits to numerous trait-specific QTL clusters. Nature Communications, 2016, 7, 10527.	5.8	165
10	A genetic programming framework for content-based image retrieval. Pattern Recognition, 2009, 42, 283-292.	5.1	145
11	Duplicate and Conquer: Multiple Homologs of <i>PHOSPHORUS-STARVATION TOLERANCE1</i> Enhance Phosphorus Acquisition and Sorghum Performance on Low-Phosphorus Soils. Plant Physiology, 2014, 166, 659-677.	2.3	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.	3.0	103
13	A New Approach for Nontechnical Losses Detection Based on Optimum-Path Forest. IEEE Transactions on Power Systems, 2011, 26, 181-189.	4.6	101
14	Data clustering as an optimum-path forest problem with applications in image analysis. International Journal of Imaging Systems and Technology, 2009, 19, 50-68.	2.7	98
15	A 3D generalization of user-steered live-wire segmentation. Medical Image Analysis, 2000, 4, 389-402.	7.0	95
16	Interactive Volume Segmentation With Differential Image Foresting Transforms. IEEE Transactions on Medical Imaging, 2004, 23, 1100-1108.	5.4	89
17	A graph-based approach for multiscale shape analysis. Pattern Recognition, 2004, 37, 1163-1174.	5.1	86
18	Contour salience descriptors for effective image retrieval and analysis. Image and Vision Computing, 2007, 25, 3-13.	2.7	84

#	ARTICLE	IF	CITATIONS
19	Body-wide hierarchical fuzzy modeling, recognition, and delineation of anatomy in medical images. <i>Medical Image Analysis</i> , 2014, 18, 752-771.	7.0	81
20	Spoken emotion recognition through optimum-path forest classification using glottal features. <i>Computer Speech and Language</i> , 2010, 24, 445-460.	2.9	70
21	Fuzzy Connectedness Image Segmentation in Graph Cut Formulation: A Linear-Time Algorithm and a Comparative Analysis. <i>Journal of Mathematical Imaging and Vision</i> , 2012, 44, 375-398.	0.8	63
22	High-Resolution Inflorescence Phenotyping Using a Novel Image-Analysis Pipeline, PANorama. <i>Plant Physiology</i> , 2014, 165, 479-495.	2.3	63
23	Automatic Segmentation and Classification of Human Intestinal Parasites From Microscopy Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 803-812.	2.5	61
24	OpenStreetMap: Challenges and Opportunities in Machine Learning and Remote Sensing. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021, 9, 184-199.	4.9	60
25	The Ordered Queue and the Optimality of the Watershed Approaches. , 2002, , 341-350.		59
26	Links Between Image Segmentation Based on Optimum-Path Forest and Minimum Cut in Graph. <i>Journal of Mathematical Imaging and Vision</i> , 2009, 35, 128-142.	0.8	58
27	Multiscale Classification of Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 3764-3775.	2.7	55
28	A nature-inspired approach to speed up optimum-path forest clustering and its application to intrusion detection in computer networks. <i>Information Sciences</i> , 2015, 294, 95-108.	4.0	54
29	An Iterative Spanning Forest Framework for Superpixel Segmentation. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 3477-3489.	6.0	53
30	Synergistic arc-weight estimation for interactive image segmentation using graphs. <i>Computer Vision and Image Understanding</i> , 2010, 114, 85-99.	3.0	52
31	New Insights on Nontechnical Losses Characterization Through Evolutionary-Based Feature Selection. <i>IEEE Transactions on Power Delivery</i> , 2012, 27, 140-146.	2.9	52
32	Computer techniques towards the automatic characterization of graphite particles in metallographic images of industrial materials. <i>Expert Systems With Applications</i> , 2013, 40, 590-597.	4.4	50
33	Path-Value Functions for Which Dijkstra's Algorithm Returns Optimal Mapping. <i>Journal of Mathematical Imaging and Vision</i> , 2018, 60, 1025-1036.	0.8	50
34	Shape feature extraction and description based on tensor scale. <i>Pattern Recognition</i> , 2010, 43, 26-36.	5.1	49
35	Improving semi-supervised learning through optimum connectivity. <i>Pattern Recognition</i> , 2016, 60, 72-85.	5.1	44
36	Active learning paradigms for CBIR systems based on optimum-path forest classification. <i>Pattern Recognition</i> , 2011, 44, 2971-2978.	5.1	43

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37	Evolving technologies for growing, imaging and analyzing 3D root system architecture of crop plants. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 230-241.	4.1	43
38	Optimum-Path Forest based on k-connectivity: Theory and applications. <i>Pattern Recognition Letters</i> , 2017, 87, 117-126.	2.6	43
39	Correcting rural building annotations in OpenStreetMap using convolutional neural networks. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 147, 283-293.	4.9	42
40	Riverbed: A Novel User-Steered Image Segmentation Method Based on Optimum Boundary Tracking. <i>IEEE Transactions on Image Processing</i> , 2012, 21, 3042-3052.	6.0	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. <i>Medical Image Analysis</i> , 2013, 17, 1046-1057.	7.0	39
43	Fuzzy-connected 3D image segmentation at interactive speeds. <i>Graphical Models</i> , 2002, 64, 259-281.	1.1	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. <i>Computer Vision and Image Understanding</i> , 2012, 116, 1047-1059.	3.0	34
48	Robust active learning for the diagnosis of parasites. <i>Pattern Recognition</i> , 2015, 48, 3572-3583.	5.1	34
49	Interactive Multiscale Classification of High-Resolution Remote Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 2020-2034.	2.3	32
50	A path- and label-cost propagation approach to speedup the training of the optimum-path forest classifier. <i>Pattern Recognition Letters</i> , 2014, 40, 121-127.	2.6	32
51	Projections as visual aids for classification system design. <i>Information Visualization</i> , 2018, 17, 282-305.	1.2	32
52	Learning Person-Specific Representations From Faces in the Wild. <i>IEEE Transactions on Information Forensics and Security</i> , 2014, 9, 2089-2099.	4.5	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

#	ARTICLE	IF	CITATIONS
55	Segmentation of sandstone thin section images with separation of touching grains using optimum path forest operators. <i>Computers and Geosciences</i> , 2013, 57, 146-157.	2.0	27
56	Automatic Image Segmentation by Tree Pruning. <i>Journal of Mathematical Imaging and Vision</i> , 2007, 29, 141-162.	0.8	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 SÃO PAULO STATE, BRAZIL. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2016, 58, 31.	0.5	22
59	Multi-label semi-supervised classification through optimum-path forest. <i>Information Sciences</i> , 2018, 465, 86-104.	4.0	22
60	Hybrid Approaches for Interactive Image Segmentation Using the Live Markers Paradigm. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 5756-5769.	6.0	21
61	Toward Satellite-Based Land Cover Classification Through Optimum-Path Forest. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 6075-6085.	2.7	21
62	Vascular Segmentation in TOF MRA Images of the Brain Using a Deep Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2017, , 39-46.	1.0	21
63	Semi-automatic data annotation guided by feature space projection. <i>Pattern Recognition</i> , 2021, 109, 107612.	5.1	21
64	A Discrete Approach for Supervised Pattern Recognition. , 2008, , 136-147.		21
65	A New Variant of the Optimum-Path Forest Classifier. <i>Lecture Notes in Computer Science</i> , 2008, , 935-944.	1.0	21
66	Robust Pruning of Training Patterns for Optimum-Path Forest Classification Applied to Satellite-Based Rainfall Occurrence Estimation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010, 7, 396-400.	1.4	20
67	A historical review of the techniques of recovery of parasites for their detection in human stools. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2020, 53, e20190535.	0.4	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. <i>Information Sciences</i> , 2015, 324, 60-87.	4.0	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 CT image segmentation method. <i>Medical Physics</i> , 2019, 46, 4970-4982.	1.6	18
74	Image segmentation using dense and sparse hierarchies of superpixels. <i>Pattern Recognition</i> , 2020, 108, 107532.	5.1	18
75	Object Delineation by $\lambda$ -Connected Components. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008, 2008, .	1.0	17
76	Learning How to Extract Rotation-Invariant and Scale-Invariant Features from Texture Images. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008, 2008, .	1.0	17
77	A unifying graph-cut image segmentation framework: algorithms it encompasses and equivalences among them. <i>Proceedings of SPIE</i> , 2012, , .	0.8	17
78	Superpixel Segmentation Using Dynamic and Iterative Spanning Forest. <i>IEEE Signal Processing Letters</i> , 2020, 27, 1440-1444.	2.1	17
79	Incorporating multiple distance spaces in optimum-path forest classification to improve feedback-based learning. <i>Computer Vision and Image Understanding</i> , 2012, 116, 510-523.	3.0	16
80	Test Modified: New Diagnostic Tool for Human Enteroparasitosis. <i>Journal of Clinical Laboratory Analysis</i> , 2016, 30, 293-300.	0.9	16
81	Fuzzy object modeling. <i>Proceedings of SPIE</i> , 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. <i>Medical Physics</i> , 2015, 43, 401-410.	1.6	15
84	A new laboratorial method for the diagnosis of gastrointestinal parasites in dogs. <i>Brazilian Journal of Veterinary Parasitology</i> , 2013, 22, 1-5.	0.2	14
85	Efficient and Effective Hierarchical Feature Propagation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 4632-4643.	2.3	14
86	An active learning paradigm based on a priori data reduction and organization. <i>Expert Systems With Applications</i> , 2014, 41, 6086-6097.	4.4	14
87	Automated diagnosis of intestinal parasites: A new hybrid approach and its benefits. <i>Computers in Biology and Medicine</i> , 2020, 123, 103917.	3.9	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. <i>Lecture Notes in Computer Science</i> , 2019, , 470-478.	1.0	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.	0.7	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.	1.4	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.	2.2	11
101	Automated Diagnosis of Canine Gastrointestinal Parasites Using Image Analysis. Pathogens, 2020, 9, 139.	1.2	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.	1.1	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.	0.2	9
107	Validation of a new technique to detect Cryptosporidium spp. oocysts in bovine feces. Preventive Veterinary Medicine, 2016, 134, 1-5.	0.7	9
108	A Learning Algorithm for the Optimum-Path Forest Classifier. Lecture Notes in Computer Science, 2009, , 195-204.	1.0	9

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109	Intestinal Parasites Classification Using Deep Belief Networks. Lecture Notes in Computer Science, 2020, , 242-251.	1.0	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.	1.3	8
113	An adaptive probabilistic atlas for anomalous brain segmentation in MR images. Medical Physics, 2019, 46, 4940-4950.	1.6	8
114	The Residual Center of Mass: An Image Descriptor for the Diagnosis of Alzheimer Disease. Neuroinformatics, 2019, 17, 307-321.	1.5	8
115	A Linear-Time Approach for Image Segmentation Using Graph-Cut Measures. Lecture Notes in Computer Science, 2006, , 138-149.	1.0	7
116	3D visualization to assist iterative object definition from medical images. Computerized Medical Imaging and Graphics, 2006, 30, 217-230.	3.5	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.	0.4	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.	3.0	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.	2.5	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.	1.7	6
131	Towards Interactive Image Segmentation by Dynamic and Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 351-364.	1.0	6
132	User-Steered Image Segmentation Using Live Markers. Lecture Notes in Computer Science, 2011, , 211-218.	1.0	6
133	Interactive Classification of Remote Sensing Images by Using Optimum-Path Forest and Genetic Programming. Lecture Notes in Computer Science, 2011, , 300-307.	1.0	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.	1.0	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.	2.6	5
142	Hierarchical learning using deep optimum-path forest. Journal of Visual Communication and Image Representation, 2020, 71, 102823.	1.7	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 non-toxic separation of faecal residues and fats. Tropical Medicine and International Health, 2019, 24, 1320-1329.	1.0	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.	1.0	4
149	Test Quantified : a new technique for diagnosis of <i>Schistosoma mansoni</i> eggs. Tropical Medicine and International Health, 2019, 24, 586-595.	1.0	4
150	Investigating the impact of supervoxel segmentation for unsupervised abnormal brain asymmetry detection. Computerized Medical Imaging and Graphics, 2020, 85, 101770.	3.5	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.	2.6	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.	1.0	4
154	Rotation-Invariant Texture Recognition. Lecture Notes in Computer Science, 2007, , 193-204.	1.0	4
155	OPF-MRF: Optimum-Path Forest and Markov Random Fields for Contextual-Based Image Classification. Lecture Notes in Computer Science, 2013, , 233-240.	1.0	4
156	Fast Automatic Microstructural Segmentation of Ferrous Alloy Samples Using Optimum-Path Forest. Lecture Notes in Computer Science, 2010, , 210-220.	1.0	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.	5.1	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.	0.9	3
171	Graph-Based Supervoxel Computation from Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 404-415.	1.0	3
172	Optimizing Contextual-Based Optimum-Forest Classification through Swarm Intelligence. Lecture Notes in Computer Science, 2013, , 203-214.	1.0	3
173	Precipitates Segmentation from Scanning Electron Microscope Images through Machine Learning Techniques. Lecture Notes in Computer Science, 2011, , 456-468.	1.0	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.	0.9	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.	7.0	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.	1.0	2
192	On the Training Patterns Pruning for Optimum-Path Forest. Lecture Notes in Computer Science, 2009, , 259-268.	1.0	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.	1.0	2
196	Semi-supervised Deep Learning Based on Label Propagation in 2D Embedded Space. Lecture Notes in Computer Science, 2021, , 371-381.	1.0	2
197	Improving Deep Learning Projections by Neighborhood Analysis. Communications in Computer and Information Science, 2022, , 127-152.	0.4	2
198	Hyperspectral data as a proxy for porosity estimation of carbonate rocks. Australian Journal of Earth Sciences, 0, , 1-15.	0.4	2

#	ARTICLE	IF	CITATIONS
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.	2.5	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.	0.2	1
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