

Paulo AndrÃ© Vechiatto de Miranda

List of Publications by Year in descending order

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docs citations

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410
citing authors

#	ARTICLE	IF	CITATIONS
1	Links Between Image Segmentation Based on Optimum-Path Forest and Minimum Cut in Graph. Journal of Mathematical Imaging and Vision, 2009, 35, 128-142.	0.8	58
2	An Iterative Spanning Forest Framework for Superpixel Segmentation. IEEE Transactions on Image Processing, 2019, 28, 3477-3489.	6.0	53
3	Synergistic arc-weight estimation for interactive image segmentation using graphs. Computer Vision and Image Understanding, 2010, 114, 85-99.	3.0	52
4	Path-Value Functions for Which Dijkstra's Algorithm Returns Optimal Mapping. Journal of Mathematical Imaging and Vision, 2018, 60, 1025-1036.	0.8	50
5	Shape feature extraction and description based on tensor scale. Pattern Recognition, 2010, 43, 26-36.	5.1	49
6	Oriented Image Foresting Transform Segmentation by Seed Competition. IEEE Transactions on Image Processing, 2014, 23, 389-398.	6.0	43
7	Riverbed: A Novel User-Steered Image Segmentation Method Based on Optimum Boundary Tracking. IEEE Transactions on Image Processing, 2012, 21, 3042-3052.	6.0	41
8	Joint graph cut and relative fuzzy connectedness image segmentation algorithm. Medical Image Analysis, 2013, 17, 1046-1057.	7.0	39
9	Anisotropic Diffusion Filtering Operation and Limitations - Magnetic Resonance Imaging Evaluation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3887-3892.	0.4	30
10	Cloud bank: A multiple clouds model and its use in MR brain image segmentation. , 2009, , .		28
11	Automatic Image Segmentation by Tree Pruning. Journal of Mathematical Imaging and Vision, 2007, 29, 141-162.	0.8	26
12	Hybrid Approaches for Interactive Image Segmentation Using the Live Markers Paradigm. IEEE Transactions on Image Processing, 2014, 23, 5756-5769.	6.0	21
13	Image segmentation by oriented image foresting transform: Handling ties and colored images. , 2013, , .		20
14	Oriented Image Foresting Transform Segmentation: Connectivity Constraints with Adjustable Width. , 2016, , .		20
15	IFT-SLIC: A General Framework for Superpixel Generation Based on Simple Linear Iterative Clustering and Image Foresting Transform. , 2015, , .		19
16	Oriented image foresting transform segmentation with connectivity constraints. , 2016, , .		18
17	Object Delineation by -Connected Components. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	17
18	Oriented relative fuzzy connectedness: theory, algorithms, and its applications in hybrid image segmentation methods. Eurasip Journal on Image and Video Processing, 2015, 2015, .	1.7	17

#	ARTICLE	IF	CITATIONS
19	Fuzzy object modeling. Proceedings of SPIE, 2011, , .	0.8	15
20	Image Segmentation by Oriented Image Foresting Transform with Geodesic Star Convexity. Lecture Notes in Computer Science, 2013, , 572-579.	1.0	15
21	INTELLIGENT UNDERSTANDING OF USER INTERACTION IN IMAGE SEGMENTATION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1265001.	0.7	12
22	Comparison of fuzzy connectedness and graph cut segmentation algorithms. Proceedings of SPIE, 2011, , .	0.8	11
23	Automatic anatomy recognition via fuzzy object models. Proceedings of SPIE, 2012, , .	0.8	11
24	Image segmentation by image foresting transform with geodesic band constraints. , 2014, , .		11
25	Clouds: A model for synergistic image segmentation. , 2008, , .		10
26	Image Segmentation by Image Foresting Transform with Non-smooth Connectivity Functions. , 2013, , .		10
27	How to Complete Any Segmentation Process Interactively via Image Foresting Transform. , 2010, , .		9
28	Efficient hierarchical graph partitioning for image segmentation by optimum oriented cuts. Pattern Recognition Letters, 2020, 131, 185-192.	2.6	9
29	How to fix any 3D segmentation interactively via Image Foresting Transform and its use in MRI brain segmentation. , 2011, , .		8
30	Image foresting transform with geodesic star convexity for interactive image segmentation. , 2013, , .		8
31	A Linear-Time Approach for Image Segmentation Using Graph-Cut Measures. Lecture Notes in Computer Science, 2006, , 138-149.	1.0	7
32	Detecting Contour Saliences using Tensor Scale. , 2007, , .		7
33	Elucidating the Relations among Seeded Image Segmentation Methods and their Possible Extensions. , 2011, , .		7
34	Unraveling the Compromise between Skull Stripping and Inhomogeneity Correction in 3T MR Images. , 2012, , .		7
35	A case analysis of the impact of prior center of gravity estimation over skull-stripping algorithms in MR images. , 2013, , .		6
36	Oriented Relative Fuzzy Connectedness: Theory, Algorithms, and Applications in Image Segmentation. , 2014, , .		6

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37	TSS & TSB: Tensor scale descriptors within circular sectors for fast shape retrieval. Pattern Recognition Letters, 2016, 83, 303-311.	2.6	6
38	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
39	Towards Interactive Image Segmentation by Dynamic and Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 351-364.	1.0	6
40	Multi-Object Segmentation by Hierarchical Layered Oriented Image Foresting Transform. , 2017, , .		5
41	Extending the Differential Image Foresting Transform to Root-Based Path-Cost Functions with Application to Superpixel Segmentation. , 2017, , .		5
42	Optimum Cuts in Graphs by General Fuzzy Connectedness with Local Band Constraints. Journal of Mathematical Imaging and Vision, 2020, 62, 659-672.	0.8	5
43	The riverbed approach for user-steered image segmentation. , 2011, , .		4
44	Bandeirantes: A Graph-Based Approach for Curve Tracing and Boundary Tracking. Lecture Notes in Computer Science, 2017, , 95-106.	1.0	4
45	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
46	Tree-Pruning: A New Algorithm and Its Comparative Analysis with the Watershed Transform for Automatic Image Segmentation. Computer Graphics and Image Processing (SIBGRAPI), Proceedings of the Brazilian Symposium on, 2006, , .	0.0	3
47	GPU-based iterative relative fuzzy connectedness image segmentation. , 2012, , .		3
48	Seed Robustness of Oriented Image Foresting Transform: Core Computation and the Robustness Coefficient. Lecture Notes in Computer Science, 2017, , 119-130.	1.0	3
49	A critical analysis of the methods of evaluating MRI brain segmentation algorithms. , 2017, , .		3
50	Relaxed Oriented Image Foresting Transform for Seeded Image Segmentation. , 2019, , .		3
51	Efficient Hierarchical Multi-Object Segmentation in Layered Graphs. Mathematical Morphology - Theory and Applications, 2021, 5, 21-42.	0.6	3
52	Seed robustness of oriented relative fuzzy connectedness: core computation and its applications. Proceedings of SPIE, 2017, , .	0.8	2
53	Graph-Based Segmentation with Local Band Constraints. Lecture Notes in Computer Science, 2019, , 155-166.	1.0	2
54	Efficient Unsupervised Image Segmentation by Optimum Cuts in Graphs. Lecture Notes in Computer Science, 2019, , 359-367.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Efficient Interactive Multi-object Segmentation in Medical Images. Lecture Notes in Computer Science, 2019, , 705-710.	1.0	1
56	Image Segmentation by Relaxed Deep Extreme Cut with Connected Extreme Points. Lecture Notes in Computer Science, 2021, , 441-453.	1.0	1
57	Edge Detection Robust to Intensity Inhomogeneity: A 7T MRI Case Study. Lecture Notes in Computer Science, 2017, , 459-466.	1.0	1
58	Efficient Image Segmentation in Graphs with Localized Curvilinear Features. Lecture Notes in Computer Science, 2017, , 718-728.	1.0	0
59	Heart Bounding Box Automatic Determination in Coronal Magnetic Resonance Temporal Sequences. IFAC-PapersOnLine, 2017, 50, 15056-15061.	0.5	0