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List of Publications by Year in descending order

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410
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Hierarchical Multi-Object Segmentation in Layered Graphs. Mathematical Morphology - Theory and Applications, 2021, 5, 21-42.	0.6	3
2	Image Segmentation by Relaxed Deep Extreme Cut with Connected Extreme Points. Lecture Notes in Computer Science, 2021, , 441-453.	1.0	1
3	Towards Interactive Image Segmentation by Dynamic and Iterative Spanning Forest. Lecture Notes in Computer Science, 2021, , 351-364.	1.0	6
4	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
5	Efficient hierarchical graph partitioning for image segmentation by optimum oriented cuts. Pattern Recognition Letters, 2020, 131, 185-192.	2.6	9
6	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
7	Relaxed Oriented Image Foresting Transform for Seeded Image Segmentation. , 2019, , .		3
8	Efficient Unsupervised Image Segmentation by Optimum Cuts in Graphs. Lecture Notes in Computer Science, 2019, , 359-367.	1.0	1
9	Graph-Based Segmentation with Local Band Constraints. Lecture Notes in Computer Science, 2019, , 155-166.	1.0	2
10	Efficient Interactive Multi-object Segmentation in Medical Images. Lecture Notes in Computer Science, 2019, , 705-710.	1.0	1
11	An Iterative Spanning Forest Framework for Superpixel Segmentation. IEEE Transactions on Image Processing, 2019, 28, 3477-3489.	6.0	53
12	Path-Value Functions for Which Dijkstra's Algorithm Returns Optimal Mapping. Journal of Mathematical Imaging and Vision, 2018, 60, 1025-1036.	0.8	50
13	Seed robustness of oriented relative fuzzy connectedness: core computation and its applications. Proceedings of SPIE, 2017, , .	0.8	2
14	Seed Robustness of Oriented Image Foresting Transform: Core Computation and the Robustness Coefficient. Lecture Notes in Computer Science, 2017, , 119-130.	1.0	3
15	Efficient Image Segmentation in Graphs with Localized Curvilinear Features. Lecture Notes in Computer Science, 2017, , 718-728.	1.0	0
16	Heart Bounding Box Automatic Determination in Coronal Magnetic Resonance Temporal Sequences. IFAC-PapersOnLine, 2017, 50, 15056-15061.	0.5	0
17	Multi-Object Segmentation by Hierarchical Layered Oriented Image Foresting Transform. , 2017, , .		5
18	A critical analysis of the methods of evaluating MRI brain segmentation algorithms. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Extending the Differential Image Foresting Transform to Root-Based Path-Cost Functions with Application to Superpixel Segmentation. , 2017, , .		5
20	Bandeirantes: A Graph-Based Approach for Curve Tracing and Boundary Tracking. Lecture Notes in Computer Science, 2017, , 95-106.	1.0	4
21	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
22	Edge Detection Robust to Intensity Inhomogeneity: A 7T MRI Case Study. Lecture Notes in Computer Science, 2017, , 459-466.	1.0	1
23	Oriented image foresting transform segmentation with connectivity constraints. , 2016, , .		18
24	Oriented Image Foresting Transform Segmentation: Connectivity Constraints with Adjustable Width. , 2016, , .		20
25	TSS & TSB: Tensor scale descriptors within circular sectors for fast shape retrieval. Pattern Recognition Letters, 2016, 83, 303-311.	2.6	6
26	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
27	IFT-SLIC: A General Framework for Superpixel Generation Based on Simple Linear Iterative Clustering and Image Foresting Transform. , 2015, , .		19
28	Image segmentation by image foresting transform with geodesic band constraints. , 2014, , .		11
29	Hybrid Approaches for Interactive Image Segmentation Using the Live Markers Paradigm. IEEE Transactions on Image Processing, 2014, 23, 5756-5769.	6.0	21
30	Oriented Relative Fuzzy Connectedness: Theory, Algorithms, and Applications in Image Segmentation. , 2014, , .		6
31	Oriented Image Foresting Transform Segmentation by Seed Competition. IEEE Transactions on Image Processing, 2014, 23, 389-398.	6.0	43
32	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
33	Image Segmentation by Image Foresting Transform with Non-smooth Connectivity Functions. , 2013, , .		10
34	A case analysis of the impact of prior center of gravity estimation over skull-stripping algorithms in MR images. , 2013, , .		6
35	Image segmentation by oriented image foresting transform: Handling ties and colored images. , 2013, , .		20
36	Joint graph cut and relative fuzzy connectedness image segmentation algorithm. Medical Image Analysis, 2013, 17, 1046-1057.	7.0	39

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37	Image foresting transform with geodesic star convexity for interactive image segmentation. , 2013, , .		8
38	Image Segmentation by Oriented Image Foresting Transform with Geodesic Star Convexity. Lecture Notes in Computer Science, 2013, , 572-579.	1.0	15
39	INTELLIGENT UNDERSTANDING OF USER INTERACTION IN IMAGE SEGMENTATION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1265001.	0.7	12
40	Automatic anatomy recognition via fuzzy object models. Proceedings of SPIE, 2012, , .	0.8	11
41	GPU-based iterative relative fuzzy connectedness image segmentation. , 2012, , .		3
42	Unraveling the Compromise between Skull Stripping and Inhomogeneity Correction in 3T MR Images. , 2012, , .		7
43	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
44	Elucidating the Relations among Seeded Image Segmentation Methods and their Possible Extensions. , 2011, , .		7
45	How to fix any 3D segmentation interactively via Image Foresting Transform and its use in MRI brain segmentation. , 2011, , .		8
46	The riverbed approach for user-steered image segmentation. , 2011, , .		4
47	Fuzzy object modeling. Proceedings of SPIE, 2011, , .	0.8	15
48	Comparison of fuzzy connectedness and graph cut segmentation algorithms. Proceedings of SPIE, 2011, , .	0.8	11
49	Shape feature extraction and description based on tensor scale. Pattern Recognition, 2010, 43, 26-36.	5.1	49
50	Synergistic arc-weight estimation for interactive image segmentation using graphs. Computer Vision and Image Understanding, 2010, 114, 85-99.	3.0	52
51	How to Complete Any Segmentation Process Interactively via Image Foresting Transform. , 2010, , .		9
52	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
53	Cloud bank: A multiple clouds model and its use in MR brain image segmentation. , 2009, , .		28
54	Clouds: A model for synergistic image segmentation. , 2008, , .		10

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55	Object Delineation by -Connected Components. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	17
56	Detecting Contour Saliences using Tensor Scale. , 2007, , .		7
57	Automatic Image Segmentation by Tree Pruning. Journal of Mathematical Imaging and Vision, 2007, 29, 141-162.	0.8	26
58	A Linear-Time Approach for Image Segmentation Using Graph-Cut Measures. Lecture Notes in Computer Science, 2006, , 138-149.	1.0	7
59	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