

Georgios Tziritas

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,557
citations

687363

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752698

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all docs

32
docs citations

32
times ranked

2376
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Techniques for Automatic MRI Cardiac Multi-Structures Segmentation and Diagnosis: Is the Problem Solved?. IEEE Transactions on Medical Imaging, 2018, 37, 2514-2525.	8.9	926
2	Dense image registration through MRFs and efficient linear programming. Medical Image Analysis, 2008, 12, 731-741.	11.6	344
3	Image Completion Using Efficient Belief Propagation Via Priority Scheduling and Dynamic Pruning. IEEE Transactions on Image Processing, 2007, 16, 2649-2661.	9.8	272
4	Approximate Labeling via Graph Cuts Based on Linear Programming. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1436-1453.	13.9	182
5	Performance vs computational efficiency for optimizing single and dynamic MRFs: Setting the state of the art with primal-dual strategies. Computer Vision and Image Understanding, 2008, 112, 14-29.	4.7	143
6	Fast, Approximately Optimal Solutions for Single and Dynamic MRFs. , 2007, , .		124
7	MRF-based segmentation and unsupervised classification for building and road detection in peri-urban areas of high-resolution satellite images. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 145-166.	11.1	93
8	Equivalent Key Frames Selection Based on Iso-Content Principles. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 447-451.	8.3	71
9	Natural Image Segmentation Based on Tree Equipartition, Bayesian Flooding and Region Merging. IEEE Transactions on Image Processing, 2011, 20, 2276-2287.	9.8	61
10	Interactive image segmentation based on synthetic graph coordinates. Pattern Recognition, 2013, 46, 2940-2952.	8.1	56
11	Single view reconstruction using shape grammars for urban environments. , 2009, , .		55
12	Bayesian Level Sets for Image Segmentation. Journal of Visual Communication and Image Representation, 2002, 13, 44-64.	2.8	47
13	Optical flow estimation with uncertainties through dynamic MRFs. , 2008, , .		45
14	Cardiac MRI Segmentation With a Dilated CNN Incorporating Domain-Specific Constraints. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 1235-1243.	10.8	39
15	Successive Group Selection for Microaggregation. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1191-1195.	5.7	20
16	Fast Fully-Automatic Cardiac Segmentation in MRI Using MRF Model Optimization, Substructures Tracking and AB-Spline Smoothing. Lecture Notes in Computer Science, 2018, , 91-100.	1.3	14
17	SHAPE-BASED INDIVIDUAL/GROUP DETECTION FOR SPORT VIDEOS CATEGORIZATION. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 1187-1213.	1.2	13
18	Snake terrestrial locomotion synthesis in 3D virtual environments. Visual Computer, 2006, 22, 562-576.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Left Ventricle Quantification Challenge: A Comprehensive Comparison and Evaluation of Segmentation and Regression for Mid-Ventricular Short-Axis Cardiac MR Data. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3541-3553.	6.3	8
20	Optimal projection of 2-D displacements for 3-D translational motion estimation. Image and Vision Computing, 2002, 20, 793-804.	4.5	6
21	Equivalent Key Frames Selection Based on Iso-Content Distance and Iso-Distortion Principles. , 2007, , .		6
22	Signal segmentation and modelling based on EquiPartition principle. , 2009, , .		6
23	Bayesian Region Growing and MRF-based Minimization for Texture and Colour Segmentation. , 2007, , .		4
24	Real-time exploration and photorealistic reconstruction of large natural environments. Visual Computer, 2009, 25, 117-137.	3.5	3
25	The equipartition of curves. Computational Geometry: Theory and Applications, 2009, 42, 677-689.	0.5	3
26	Flooding and MRF-based Algorithms for Interactive Segmentation. , 2010, , .		3
27	A minimum spanning tree equipartition algorithm for microaggregation. Journal of Applied Statistics, 2015, 42, 846-865.	1.3	2
28	Simultaneous Segmentation and Modelling of Signals Based on an Equipartition Principle. , 2010, , .		1
29	Deep Learning Techniques for Automatic MRI Cardiac Multi-Structures Segmentation and Diagnosis: Is the Problem Solved?. , 0, .		1
30	MINMAX Video Summarization under Equality Principle. , 2007, , .		0
31	Morphable 3D-Mosaics: A Hybrid Framework for Photorealistic Walkthroughs of Large Natural Environments. Advances in Multimedia, 2008, 2008, 1-17.	0.4	0
32	Convexity and Connectivity Principles Applied for Left Ventricle Segmentation and Quantification. Lecture Notes in Computer Science, 2019, , 389-401.	1.3	0