

Ramin Zabih

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

5,073
citations

19
h-index

71
g-index

76
ext. papers

5,927
ext. citations

5
avg, IF

5.68
L-index

#	Paper	IF	Citations
57	What energy functions can be minimized via graph cuts?. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 147-59	13.3	1918
56	Non-parametric local transforms for computing visual correspondence. <i>Lecture Notes in Computer Science</i> , 1994 , 151-158	0.9	770
55	A comparative study of energy minimization methods for Markov random fields with smoothness-based priors. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1068-80	13.3	605
54	Comparing images using color coherence vectors 1996 ,		325
53	Multi-camera Scene Reconstruction via Graph Cuts. <i>Lecture Notes in Computer Science</i> , 2002 , 82-96	0.9	183
52	Spatial Color Indexing and Applications. <i>International Journal of Computer Vision</i> , 1999 , 35, 245-268	10.6	165
51	A feature-based algorithm for detecting and classifying production effects. <i>Multimedia Systems</i> , 1999 , 7, 119-128	2.2	148
50	Comparing images using joint histograms. <i>Multimedia Systems</i> , 1999 , 7, 234-240	2.2	127
49	A Comparative Study of Energy Minimization Methods for Markov Random Fields. <i>Lecture Notes in Computer Science</i> , 2006 , 16-29	0.9	115
48	Dynamic programming and graph algorithms in computer vision. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 721-40	13.3	107
47	What Energy Functions Can Be Minimized via Graph Cuts?. <i>Lecture Notes in Computer Science</i> , 2002 , 65-81	0.9	78
46	The 30th Anniversary of the IEEE Transactions on Pattern Analysis and Machine Intelligence. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1-1	13.3	49
45	2011 ,		46
44	Bayesian parallel imaging with edge-preserving priors. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 8-21	4.4	45
43	An automatic hierarchical image classification scheme 1998 ,		43
42	An Experimental Comparison of Stereo Algorithms. <i>Lecture Notes in Computer Science</i> , 2000 , 1-19	0.9	27
41	Incidence and Factors Associated With Hospital Readmission After Pulmonary Lobectomy. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 434-42; discussion 442-3	2.7	22

40	Variability in length of stay after uncomplicated pulmonary lobectomy: is length of stay a quality metric or a patient metric? <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, e65-71	3	22
39	Robust Image Stitching with Multiple Registrations. <i>Lecture Notes in Computer Science</i> , 2018 , 53-69	0.9	19
38	State of the Journal. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 1-2	13.3	17
37	Generalized Multi-camera Scene Reconstruction Using Graph Cuts. <i>Lecture Notes in Computer Science</i> , 2003 , 501-516	0.9	16
36	Conversion-to-open in laparoscopic appendectomy: A cohort analysis of risk factors and outcomes. <i>International Journal of Surgery</i> , 2017 , 40, 169-175	7.5	15
35	Factorial Markov Random Fields. <i>Lecture Notes in Computer Science</i> , 2002 , 321-334	0.9	15
34	Automated framework for digital radiation dose index reporting from CT dose reports. <i>American Journal of Roentgenology</i> , 2011 , 197, 1170-4	5.4	13
33	A dynamic programming solution to the n-queens problem. <i>Information Processing Letters</i> , 1992 , 41, 253-256	256	13
32	Incidence and implications of postoperative supraventricular tachycardia after pulmonary lobectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 982-8	1.5	13
31	A Primal-Dual Algorithm for Higher-Order Multilabel Markov Random Fields 2014 ,		12
30	Object-Centered Image Stitching. <i>Lecture Notes in Computer Science</i> , 2018 , 846-861	0.9	12
29	A New Algorithm for Energy Minimization with Discontinuities. <i>Lecture Notes in Computer Science</i> , 1999 , 205-220	0.9	10
28	A Hypergraph-Based Reduction for Higher-Order Binary Markov Random Fields. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 1387-95	13.3	8
27	Graph Cuts Segmentation with Statistical Shape Priors for Medical Images 2007 ,		8
26	Boolean classes 1986 ,		8
25	Automating Perforator Flap MRA and CTA Reporting. <i>Journal of Digital Imaging</i> , 2017 , 30, 350-357	5.3	7
24	Segmentation of the left ventricle in cardiac MR images using graph cuts with parametric shape priors. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 ,	1.6	7
23	Farewell state of the journal. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 1-2	13.3	6

22	A maximum likelihood approach to parallel imaging with coil sensitivity noise. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1046-57	11.7	6
21	Simultaneous multiple volume (SMV) acquisition algorithm for real-time navigator gating. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 969-75	3.3	6
20	Postprocessing techniques for time-resolved contrast-enhanced MR angiography. <i>Radiology</i> , 2002 , 222, 564-8	20.5	6
19	Boolean classes. <i>ACM SIGPLAN Notices</i> , 1986 , 21, 417-423	0.2	6
18	Learning to Autofocus 2020 ,		6
17	Structured Learning of Sum-of-Submodular Higher Order Energy Functions 2013 ,		5
16	2010 ,		5
15	Segmentation of Liver Tumor Using Efficient Global Optimal Tree Metrics Graph Cuts. <i>Lecture Notes in Computer Science</i> , 2012 , 51-59	0.9	5
14	Automatic selection of mask and arterial phase images for temporally resolved MR digital subtraction angiography. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 1004-10	4.4	4
13	Approximate MRF Inference Using Bounded Treewidth Subgraphs. <i>Lecture Notes in Computer Science</i> , 2012 , 385-398	0.9	4
12	Relaxation-Based Preprocessing Techniques for Markov Random Field Inference 2016 ,		3
11	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1-2	13.3	3
10	A fast Edge-preserving Bayesian reconstruction method for Parallel Imaging applications in cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 184-9	4.4	3
9	2010 ,		3
8	Automatic algorithm for correcting motion artifacts in time-resolved two-dimensional magnetic resonance angiography using convex projections. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 649-58	4.4	3
7	Automatic Hierarchical Color Image Classification. <i>Eurasip Journal on Advances in Signal Processing</i> , 2003 , 2003, 1	1.9	3
6	Channel Selection Using Gumbel Softmax. <i>Lecture Notes in Computer Science</i> , 2020 , 241-257	0.9	3
5	Automatic selection of radiological protocols using machine learning 2011 ,		1

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| 4 | Improved signal-to-noise ratio in parallel coronary artery magnetic resonance angiography using graph cuts based Bayesian reconstruction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 703-6 | | o |
| 3 | Multiprocessor scheduling implementation of the simultaneous multiple volume (SMV) navigator method. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 362-7 | 4-4 | o |
| 2 | Guest Editors Introduction to the Special Section on CVPR Papers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1681-1682 | 13-3 | |
| 1 | Statistical aspects of parallel imaging reconstruction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 377-80 | | |