Ramin Zabih

List of Publications by Year
in descending order

		361045	243296
63 papers	7,097 citations	20 h-index	44 g-index
76 all docs	76 docs citations	76 times ranked	4735 citing authors

#	Article	IF	Citations
1	OCONet: Image Extrapolation by Object Completion. , 2021, , .		12
2	Learning to Autofocus. , 2020, , .		20
3	Channel Selection Using Gumbel Softmax. Lecture Notes in Computer Science, 2020, , 241-257.	1.0	13
4	Robust Image Stitching with Multiple Registrations. Lecture Notes in Computer Science, 2018, , 53-69.	1.0	34
5	Object-Centered Image Stitching. Lecture Notes in Computer Science, 2018, , 846-861.	1.0	18
6	Automating Perforator Flap MRA and CTA Reporting. Journal of Digital Imaging, 2017, 30, 350-357.	1.6	8
7	Conversion-to-open in laparoscopic appendectomy: A cohort analysis of risk factors and outcomes. International Journal of Surgery, 2017, 40, 169-175.	1.1	26
8	A Discriminative View of MRF Pre-processing Algorithms. , 2017, , .		0
9	Variability in length of stay after uncomplicated pulmonary lobectomy: is length of stay a quality metric or a patient metric?. European Journal of Cardio-thoracic Surgery, 2016, 49, e65-e71.	0.6	42
10	Incidence and implications of postoperative supraventricular tachycardia after pulmonary lobectomy. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 982-989.	0.4	21
11	Relaxation-Based Preprocessing Techniques for Markov Random Field Inference. , 2016, , .		5
12	Note Special Issue on Discrete Graphical Models in Biomedical Image Analysis. Medical Image Analysis, 2016, 27, 1-2.	7.0	0
13	Incidence and Factors Associated With Hospital Readmission After Pulmonary Lobectomy. Annals of Thoracic Surgery, 2016, 101, 434-443.	0.7	28
14	A Hypergraph-Based Reduction for Higher-Order Binary Markov Random Fields. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1387-1395.	9.7	12
15	Research opportunities in creating medical images. , 2015, , .		0
16	A Primal-Dual Algorithm for Higher-Order Multilabel Markov Random Fields. , 2014, , .		18
17	Farewell state of the journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1-2.	9.7	20
18	Structured Learning of Sum-of-Submodular Higher Order Energy Functions. , 2013, , .		9

#	Article	IF	Citations
19	State of the Journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1-2.	9.7	9
20	Segmentation of Liver Tumor Using Efficient Global Optimal Tree Metrics Graph Cuts. Lecture Notes in Computer Science, 2012, , 51-59.	1.0	7
21	Approximate MRF Inference Using Bounded Treewidth Subgraphs. Lecture Notes in Computer Science, 2012, , 385-398.	1.0	5
22	Dynamic Programming and Graph Algorithms in Computer Vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 721-740.	9.7	147
23	State of the Journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1-2.	9.7	25
24	A fast Edge€preserving Bayesian reconstruction method for Parallel Imaging applications in cardiac MRI. Magnetic Resonance in Medicine, 2011, 65, 184-189.	1.9	4
25	Automatic selection of radiological protocols using machine learning. , 2011, , .		2
26	Automated Framework for Digital Radiation Dose Index Reporting From CT Dose Reports. American Journal of Roentgenology, 2011, 197, 1170-1174.	1.0	16
27	A graph cut algorithm for higher-order Markov Random Fields. , 2011, , .		56
28	Plenary talk solving linear inverse systems with graphcuts. , 2010, , .		0
29	Globally optimal pixel labeling algorithms for tree metrics. , 2010, , .		7
30	The 30th Anniversary of the IEEE Transactions on Pattern Analysis and Machine Intelligence. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1-1.	9.7	94
31	Tree-metrics graph cuts for brain MRI segmentation with tree cutting. , 2010, , .		4
32	Guest Editors' Introduction to the Special Section on CVPR Papers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1681-1682.	9.7	0
33	A Comparative Study of Energy Minimization Methods for Markov Random Fields with Smoothness-Based Priors. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1068-1080.	9.7	786
34	Segmentation of the left ventricle in cardiac MR images using graph cuts with parametric shape priors. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	10
35	A Bayesian Framework For Reconstruction Of Accelerated MRI Using Graph Cuts. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0
36	A Maximum Likelihood Approach to Parallel Imaging With Coil Sensitivity Noise. IEEE Transactions on Medical Imaging, 2007, 26, 1046-1057.	5.4	9

#	ARTICLE	IF	CITATIONS
37	Graph Cuts Segmentation with Statistical Shape Priors for Medical Images. , 2007, , .		10
38	Bayesian parallel imaging with edge-preserving priors. Magnetic Resonance in Medicine, 2007, 57, 8-21.	1.9	59
39	Automatic algorithm for correcting motion artifacts in time-resolved two-dimensional magnetic resoance angiography using convex projections. Magnetic Resonance in Medicine, 2006, 55, 649-658.	1.9	3
40	Improved Signal-to-Noise Ratio in Parallel Coronary Artery Magnetic Resonance Angiography using Graph Cuts based Bayesian Reconstruction. , 2006, 2006, 703-6.		1
41	Statistical Aspects of Parallel Imaging Reconstruction. , 2006, 2006, 377-80.		0
42	Improved Signal-to-Noise Ratio in Parallel Coronary Artery Magnetic Resonance Angiography using Graph Cuts based Bayesian Reconstruction. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
43	Multiprocessor scheduling implementation of the simultaneous multiple volume (SMV) navigator method. Magnetic Resonance in Medicine, 2004, 52, 362-367.	1.9	3
44	What energy functions can be minimized via graph cuts?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 147-159.	9.7	2,415
45	Simultaneous multiple volume (SMV) acquisition algorithm for real-time navigator gating. Magnetic Resonance Imaging, 2003, 21, 969-975.	1.0	8
46	Automatic Hierarchical Color Image Classification. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.0	4
47	Generalized Multi-camera Scene Reconstruction Using Graph Cuts. Lecture Notes in Computer Science, 2003, , 501-516.	1.0	24
48	Multi-camera Scene Reconstruction via Graph Cuts. Lecture Notes in Computer Science, 2002, , 82-96.	1.0	373
49	What Energy Functions Can Be Minimized via Graph Cuts?. Lecture Notes in Computer Science, 2002, , 65-81.	1.0	84
50	Postprocessing Techniques for Time-resolved Contrast-enhanced MR Angiography. Radiology, 2002, 222, 564-568.	3.6	8
51	Automatic selection of mask and arterial phase images for temporally resolved MR digital subtraction angiography. Magnetic Resonance in Medicine, 2002, 48, 1004-1010.	1.9	5
52	Factorial Markov Random Fields. Lecture Notes in Computer Science, 2002, , 321-334.	1.0	18
53	An Experimental Comparison of Stereo Algorithms. Lecture Notes in Computer Science, 2000, , 1-19.	1.0	61
54	Spatial Color Indexing and Applications. International Journal of Computer Vision, 1999, 35, 245-268.	10.9	215

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55	A feature-based algorithm for detecting and classifying production effects. Multimedia Systems, 1999, 7, 119-128.	3.0	202
56	Comparing images using joint histograms. Multimedia Systems, 1999, 7, 234-240.	3.0	167
57	A New Algorithm for Energy Minimization with Discontinuities. Lecture Notes in Computer Science, 1999, , 205-220.	1.0	17
58	An automatic hierarchical image classification scheme. , 1998, , .		62
59	Comparing images using color coherence vectors. , 1996, , .		517
60	A dynamic programming solution to the n-queens problem. Information Processing Letters, 1992, 41, 253-256.	0.4	16
61	Boolean classes. ACM SIGPLAN Notices, 1986, 21, 417-423.	0.2	13
62	Boolean classes. , 1986, , .		11
63	A performance comparison of the window systems of two LISP machines (abstract). , 1986, , .		0