

Ramin Zabih

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

7,097
citations

361296

20
h-index

243529

44
g-index

76
all docs

76
docs citations

76
times ranked

4735
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Comparing images using color coherence vectors. , 1996, , .		517
4	Multi-camera Scene Reconstruction via Graph Cuts. Lecture Notes in Computer Science, 2002, , 82-96.	1.0	373
5	Spatial Color Indexing and Applications. International Journal of Computer Vision, 1999, 35, 245-268.	10.9	215
6	A feature-based algorithm for detecting and classifying production effects. Multimedia Systems, 1999, 7, 119-128.	3.0	202
7	Comparing images using joint histograms. Multimedia Systems, 1999, 7, 234-240.	3.0	167
8	Dynamic Programming and Graph Algorithms in Computer Vision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 721-740.	9.7	147
9	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
10	What Energy Functions Can Be Minimized via Graph Cuts?. Lecture Notes in Computer Science, 2002, , 65-81.	1.0	84
11	An automatic hierarchical image classification scheme. , 1998, , .		62
12	An Experimental Comparison of Stereo Algorithms. Lecture Notes in Computer Science, 2000, , 1-19.	1.0	61
13	Bayesian parallel imaging with edge-preserving priors. Magnetic Resonance in Medicine, 2007, 57, 8-21.	1.9	59
14	A graph cut algorithm for higher-order Markov Random Fields. , 2011, , .		56
15	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
16	Robust Image Stitching with Multiple Registrations. Lecture Notes in Computer Science, 2018, , 53-69.	1.0	34
17	Incidence and Factors Associated With Hospital Readmission After Pulmonary Lobectomy. Annals of Thoracic Surgery, 2016, 101, 434-443.	0.7	28
18	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

#	ARTICLE	IF	CITATIONS
19	State of the Journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1-2.	9.7	25
20	Generalized Multi-camera Scene Reconstruction Using Graph Cuts. Lecture Notes in Computer Science, 2003, , 501-516.	1.0	24
21	Incidence and implications of postoperative supraventricular tachycardia after pulmonary lobectomy. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 982-989.	0.4	21
22	Farewell state of the journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1-2.	9.7	20
23	Learning to Autofocus. , 2020, , .		20
24	A Primal-Dual Algorithm for Higher-Order Multilabel Markov Random Fields. , 2014, , .		18
25	Factorial Markov Random Fields. Lecture Notes in Computer Science, 2002, , 321-334.	1.0	18
26	Object-Centered Image Stitching. Lecture Notes in Computer Science, 2018, , 846-861.	1.0	18
27	A New Algorithm for Energy Minimization with Discontinuities. Lecture Notes in Computer Science, 1999, , 205-220.	1.0	17
28	A dynamic programming solution to the n-queens problem. Information Processing Letters, 1992, 41, 253-256.	0.4	16
29	Automated Framework for Digital Radiation Dose Index Reporting From CT Dose Reports. American Journal of Roentgenology, 2011, 197, 1170-1174.	1.0	16
30	Boolean classes. ACM SIGPLAN Notices, 1986, 21, 417-423.	0.2	13
31	Channel Selection Using Gumbel Softmax. Lecture Notes in Computer Science, 2020, , 241-257.	1.0	13
32	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
33	OCONet: Image Extrapolation by Object Completion. , 2021, , .		12
34	Boolean classes. , 1986, , .		11
35	Graph Cuts Segmentation with Statistical Shape Priors for Medical Images. , 2007, , .		10
36	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

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37	A Maximum Likelihood Approach to Parallel Imaging With Coil Sensitivity Noise. IEEE Transactions on Medical Imaging, 2007, 26, 1046-1057.	5.4	9
38	State of the Journal. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1-2.	9.7	9
39	Structured Learning of Sum-of-Submodular Higher Order Energy Functions. , 2013, , .		9
40	Postprocessing Techniques for Time-resolved Contrast-enhanced MR Angiography. Radiology, 2002, 222, 564-568.	3.6	8
41	Simultaneous multiple volume (SMV) acquisition algorithm for real-time navigator gating. Magnetic Resonance Imaging, 2003, 21, 969-975.	1.0	8
42	Automating Perforator Flap MRA and CTA Reporting. Journal of Digital Imaging, 2017, 30, 350-357.	1.6	8
43	Globally optimal pixel labeling algorithms for tree metrics. , 2010, , .		7
44	Segmentation of Liver Tumor Using Efficient Global Optimal Tree Metrics Graph Cuts. Lecture Notes in Computer Science, 2012, , 51-59.	1.0	7
45	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
46	Relaxation-Based Preprocessing Techniques for Markov Random Field Inference. , 2016, , .		5
47	Approximate MRF Inference Using Bounded Treewidth Subgraphs. Lecture Notes in Computer Science, 2012, , 385-398.	1.0	5
48	Automatic Hierarchical Color Image Classification. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.0	4
49	Tree-metrics graph cuts for brain MRI segmentation with tree cutting. , 2010, , .		4
50	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
51	Multiprocessor scheduling implementation of the simultaneous multiple volume (SMV) navigator method. Magnetic Resonance in Medicine, 2004, 52, 362-367.	1.9	3
52	Automatic algorithm for correcting motion artifacts in time-resolved two-dimensional magnetic resonance angiography using convex projections. Magnetic Resonance in Medicine, 2006, 55, 649-658.	1.9	3
53	Automatic selection of radiological protocols using machine learning. , 2011, , .		2
54	Improved Signal-to-Noise Ratio in Parallel Coronary Artery Magnetic Resonance Angiography using Graph Cuts based Bayesian Reconstruction. , 2006, 2006, 703-6.		1

#	ARTICLE	IF	CITATIONS
55	A performance comparison of the window systems of two LISP machines (abstract)., 1986, , .		0
56	Statistical Aspects of Parallel Imaging Reconstruction. , 2006, 2006, 377-80.		0
57	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
58	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
59	Plenary talk solving linear inverse systems with graphcuts. , 2010, , .		0
60	Research opportunities in creating medical images. , 2015, , .		0
61	Note Special Issue on Discrete Graphical Models in Biomedical Image Analysis. Medical Image Analysis, 2016, 27, 1-2.	7.0	0
62	A Discriminative View of MRF Pre-processing Algorithms. , 2017, , .		0
63	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