

# Ramin Zabih

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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 | Channel Selection Using Gumbel Softmax. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 241-257   | 0.9  | 3         |
| 56 | Learning to Autofocus <b>2020</b> ,  |      | 6         |
| 55 | Object-Centered Image Stitching. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 846-861  | 0.9  | 12        |
| 54 | Robust Image Stitching with Multiple Registrations. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 53-69   | 0.9  | 19        |
| 53 | Automating Perforator Flap MRA and CTA Reporting. <i>Journal of Digital Imaging</i> , <b>2017</b> , 30, 350-357  | 5.3  | 7         |
| 52 | Conversion-to-open in laparoscopic appendectomy: A cohort analysis of risk factors and outcomes. <i>International Journal of Surgery</i> , <b>2017</b> , 40, 169-175   | 7.5  | 15        |
| 51 | Relaxation-Based Preprocessing Techniques for Markov Random Field Inference <b>2016</b> ,  |      | 3         |
| 50 | Incidence and Factors Associated With Hospital Readmission After Pulmonary Lobectomy. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 434-42; discussion 442-3  | 2.7  | 22        |
| 49 | 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> , <b>2016</b> , 49, e65-71 | 3    | 22        |
| 48 | Incidence and implications of postoperative supraventricular tachycardia after pulmonary lobectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 982-8                         | 1.5  | 13        |
| 47 | A Hypergraph-Based Reduction for Higher-Order Binary Markov Random Fields. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2015</b> , 37, 1387-95                                 | 13.3 | 8         |
| 46 | A Primal-Dual Algorithm for Higher-Order Multilabel Markov Random Fields <b>2014</b> ,   |      | 12        |
| 45 | Farewell state of the journal. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 1-2   | 13.3 | 6         |
| 44 | Structured Learning of Sum-of-Submodular Higher Order Energy Functions <b>2013</b> ,   |      | 5         |
| 43 | . <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2012</b> , 34, 1-2  | 13.3 | 3         |
| 42 | Segmentation of Liver Tumor Using Efficient Global Optimal Tree Metrics Graph Cuts. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 51-59   | 0.9  | 5         |
| 41 | Approximate MRF Inference Using Bounded Treewidth Subgraphs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 385-398  | 0.9  | 4         |

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|----|--|------|-----|
| 40 | Dynamic programming and graph algorithms in computer vision. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2011</b> , 33, 721-40  | 13.3 | 107 |
| 39 | State of the Journal. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2011</b> , 33, 1-2  | 13.3 | 17  |
| 38 | A fast Edge-preserving Bayesian reconstruction method for Parallel Imaging applications in cardiac MRI. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 65, 184-9  | 4.4  | 3   |
| 37 | Automatic selection of radiological protocols using machine learning <b>2011</b> ,   |      | 1   |
| 36 | Automated framework for digital radiation dose index reporting from CT dose reports. <i>American Journal of Roentgenology</i> , <b>2011</b> , 197, 1170-4  | 5.4  | 13  |
| 35 | <b>2011</b> ,  |      | 46  |
| 34 | <b>2010</b> ,  |      | 5   |
| 33 | The 30th Anniversary of the IEEE Transactions on Pattern Analysis and Machine Intelligence. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2010</b> , 32, 1-1  | 13.3 | 49  |
| 32 | <b>2010</b> ,  |      | 3   |
| 31 | Guest Editors Introduction to the Special Section on CVPR Papers. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2008</b> , 30, 1681-1682  | 13.3 |     |
| 30 | 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> , <b>2008</b> , 30, 1068-80  | 13.3 | 605 |
| 29 | 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> , <b>2008</b> ,   | 1.6  | 7   |
| 28 | Bayesian parallel imaging with edge-preserving priors. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 57, 8-21  | 4.4  | 45  |
| 27 | A maximum likelihood approach to parallel imaging with coil sensitivity noise. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 1046-57   | 11.7 | 6   |
| 26 | Graph Cuts Segmentation with Statistical Shape Priors for Medical Images <b>2007</b> ,   |      | 8   |
| 25 | Automatic algorithm for correcting motion artifacts in time-resolved two-dimensional magnetic resonance angiography using convex projections. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 649-58   | 4.4  | 3   |
| 24 | 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> , <b>2006</b> , 2006, 703-6 |      | 0   |
| 23 | Statistical aspects of parallel imaging reconstruction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , 2006, 377-80  |      |     |

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|----|---|------|------|
| 22 | A Comparative Study of Energy Minimization Methods for Markov Random Fields. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 16-29   | 0.9  | 115  |
| 21 | Multiprocessor scheduling implementation of the simultaneous multiple volume (SMV) navigator method. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 362-7                | 4.4  | 0    |
| 20 | What energy functions can be minimized via graph cuts?. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2004</b> , 26, 147-59                            | 13.3 | 1918 |
| 19 | Automatic Hierarchical Color Image Classification. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2003</b> , 2003, 1  | 1.9  | 3    |
| 18 | Generalized Multi-camera Scene Reconstruction Using Graph Cuts. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 501-516  | 0.9  | 16   |
| 17 | Simultaneous multiple volume (SMV) acquisition algorithm for real-time navigator gating. <i>Magnetic Resonance Imaging</i> , <b>2003</b> , 21, 969-75                               | 3.3  | 6    |
| 16 | Automatic selection of mask and arterial phase images for temporally resolved MR digital subtraction angiography. <i>Magnetic Resonance in Medicine</i> , <b>2002</b> , 48, 1004-10 | 4.4  | 4    |
| 15 | Multi-camera Scene Reconstruction via Graph Cuts. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 82-96  | 0.9  | 183  |
| 14 | What Energy Functions Can Be Minimized via Graph Cuts?. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 65-81  | 0.9  | 78   |
| 13 | Postprocessing techniques for time-resolved contrast-enhanced MR angiography. <i>Radiology</i> , <b>2002</b> , 222, 564-8   | 20.5 | 6    |
| 12 | Factorial Markov Random Fields. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 321-334  | 0.9  | 15   |
| 11 | An Experimental Comparison of Stereo Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 1-19  | 0.9  | 27   |
| 10 | Spatial Color Indexing and Applications. <i>International Journal of Computer Vision</i> , <b>1999</b> , 35, 245-268  | 10.6 | 165  |
| 9  | A feature-based algorithm for detecting and classifying production effects. <i>Multimedia Systems</i> , <b>1999</b> , 7, 119-128  | 2.2  | 148  |
| 8  | Comparing images using joint histograms. <i>Multimedia Systems</i> , <b>1999</b> , 7, 234-240   | 2.2  | 127  |
| 7  | A New Algorithm for Energy Minimization with Discontinuities. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 205-220  | 0.9  | 10   |
| 6  | An automatic hierarchical image classification scheme <b>1998</b> ,   |      | 43   |
| 5  | Comparing images using color coherence vectors <b>1996</b> ,  |      | 325  |

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|---|---|-----|-----|
| 4 | Non-parametric local transforms for computing visual correspondence. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 151-158 | 0.9 | 770 |
| 3 | A dynamic programming solution to the n-queens problem. <i>Information Processing Letters</i> , <b>1992</b> , 41, 253-256             | 0.2 | 13  |
| 2 | Boolean classes. <i>ACM SIGPLAN Notices</i> , <b>1986</b> , 21, 417-423   | 0.2 | 6   |
| 1 | Boolean classes <b>1986</b> ,   |     | 8   |