

Polina Golland

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.

32
papers

5,665
citations

21
h-index

33
g-index

33
ext. papers

6,743
ext. citations

7.4
avg, IF

4.98
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 32 | CellProfiler: image analysis software for identifying and quantifying cell phenotypes. <i>Genome Biology</i> , 2006 , 7, R100 | 18.3 | 3203 |
| 31 | CellProfiler Analyst: data exploration and analysis software for complex image-based screens. <i>BMC Bioinformatics</i> , 2008 , 9, 482 | 3.6 | 375 |
| 30 | A generative model for image segmentation based on label fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1714-29 | 11.7 | 353 |
| 29 | Scoring diverse cellular morphologies in image-based screens with iterative feedback and machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1826-31 | 11.5 | 290 |
| 28 | Spherical demons: fast diffeomorphic landmark-free surface registration. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 650-68 | 11.7 | 252 |
| 27 | Data-driven clustering reveals a fundamental subdivision of the human cortex into two global systems. <i>Neuropsychologia</i> , 2008 , 46, 540-53 | 3.2 | 142 |
| 26 | A distributed spatio-temporal EEG/MEG inverse solver. <i>NeuroImage</i> , 2009 , 44, 932-46 | 7.9 | 134 |
| 25 | An image analysis toolbox for high-throughput C. elegans assays. <i>Nature Methods</i> , 2012 , 9, 714-6 | 21.6 | 112 |
| 24 | Whole brain resting state functional connectivity abnormalities in schizophrenia. <i>Schizophrenia Research</i> , 2012 , 139, 7-12 | 3.6 | 99 |
| 23 | BrainPrint: a discriminative characterization of brain morphology. <i>NeuroImage</i> , 2015 , 109, 232-48 | 7.9 | 86 |
| 22 | Detection and analysis of statistical differences in anatomical shape. <i>Medical Image Analysis</i> , 2005 , 9, 69-86 | 15.4 | 78 |
| 21 | DT-REFinD: diffusion tensor registration with exact finite-strain differential. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1914-28 | 11.7 | 73 |
| 20 | Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008 , 12, 603-15 | 15.4 | 72 |
| 19 | Image-driven population analysis through mixture modeling. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1473-87 | 11.7 | 56 |
| 18 | Shape differences in the corpus callosum in first-episode schizophrenia and first-episode psychotic affective disorder. <i>American Journal of Psychiatry</i> , 2002 , 159, 866-8 | 11.9 | 52 |
| 17 | Multimodal functional imaging using fMRI-informed regional EEG/MEG source estimation. <i>NeuroImage</i> , 2010 , 52, 97-108 | 7.9 | 45 |
| 16 | Contour-Driven Atlas-Based Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2492-505 | 11.7 | 29 |

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|----|---|------|----|
| 15 | Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 313-320 | 0.9 | 28 |
| 14 | Decoupling function and anatomy in atlases of functional connectivity patterns: language mapping in tumor patients. <i>NeuroImage</i> , 2014 , 103, 462-475 | 7.9 | 27 |
| 13 | RESOLVING CLUSTERED WORMS VIA PROBABILISTIC SHAPE MODELS 2010 , 2010, 552-555 | 1.5 | 25 |
| 12 | Asymmetric image-template registration. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 565-73 | 0.9 | 22 |
| 11 | Search for patterns of functional specificity in the brain: a nonparametric hierarchical Bayesian model for group fMRI data. <i>NeuroImage</i> , 2012 , 59, 1348-68 | 7.9 | 19 |
| 10 | EXPLORING FUNCTIONAL CONNECTIVITY IN FMRI VIA CLUSTERING. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2009 , 2009, 441-444 | 1.6 | 19 |
| 9 | Robust Feature Selection in Resting-State fMRI Connectivity Based on Population Studies. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , 2010 , 63-70 | 1.3 | 14 |
| 8 | Segmentation of cerebrovascular pathologies in stroke patients with spatial and shape priors. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 773-80 | 0.9 | 12 |
| 7 | Atlas-based under-segmentation. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 315-22 | 0.9 | 9 |
| 6 | Spectral label fusion. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 410-7 | 0.9 | 9 |
| 5 | Towards Efficient Label Fusion by Pre-Alignment of Training Data 2011 , 14, 38-46 | | 6 |
| 4 | Supervised nonparametric image parcellation. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 1075-83 | 0.9 | 6 |
| 3 | Nonparametric Mixture Models for Supervised Image Parcellation 2009 , 12, 301-313 | | 3 |
| 2 | Keypoint Transfer for Fast Whole-Body Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 273-282 | 11.7 | 3 |
| 1 | A Latent Source Model for Patch-Based Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 140-148 | 0.9 | 1 |