

Polina Golland

List of Publications by Year in Descending Order

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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	Keypoint Transfer for Fast Whole-Body Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 273-282	11.7	3
31	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
30	Contour-Driven Atlas-Based Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2492-505	11.7	29
29	BrainPrint: a discriminative characterization of brain morphology. <i>NeuroImage</i> , 2015 , 109, 232-48	7.9	86
28	A Latent Source Model for Patch-Based Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 140-148	0.9	1
27	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
26	Atlas-based under-segmentation. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 315-22	0.9	9
25	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
24	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
23	Whole brain resting state functional connectivity abnormalities in schizophrenia. <i>Schizophrenia Research</i> , 2012 , 139, 7-12	3.6	99
22	An image analysis toolbox for high-throughput C. elegans assays. <i>Nature Methods</i> , 2012 , 9, 714-6	21.6	112
21	Spectral label fusion. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 410-7	0.9	9
20	Towards Efficient Label Fusion by Pre-Alignment of Training Data 2011 , 14, 38-46		6
19	RESOLVING CLUSTERED WORMS VIA PROBABILISTIC SHAPE MODELS 2010 , 2010, 552-555	1.5	25
18	Multimodal functional imaging using fMRI-informed regional EEG/MEG source estimation. <i>NeuroImage</i> , 2010 , 52, 97-108	7.9	45
17	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
16	Spherical demons: fast diffeomorphic landmark-free surface registration. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 650-68	11.7	252

15	A generative model for image segmentation based on label fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1714-29	11.7	353
14	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
13	Image-driven population analysis through mixture modeling. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1473-87	11.7	56
12	DT-REFinD: diffusion tensor registration with exact finite-strain differential. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1914-28	11.7	73
11	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
10	A distributed spatio-temporal EEG/MEG inverse solver. <i>NeuroImage</i> , 2009 , 44, 932-46	7.9	134
9	Nonparametric Mixture Models for Supervised Image Parcellation 2009 , 12, 301-313		3
8	Asymmetric image-template registration. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 565-73	0.9	22
7	Supervised nonparametric image parcellation. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 1075-83	0.9	6
6	CellProfiler Analyst: data exploration and analysis software for complex image-based screens. <i>BMC Bioinformatics</i> , 2008 , 9, 482	3.6	375
5	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
4	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008 , 12, 603-15	15.4	72
3	CellProfiler: image analysis software for identifying and quantifying cell phenotypes. <i>Genome Biology</i> , 2006 , 7, R100	18.3	3203
2	Detection and analysis of statistical differences in anatomical shape. <i>Medical Image Analysis</i> , 2005 , 9, 69-86	15.4	78
1	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