Polina Golland

List of Publications by Year
in descending order

33 papers	7,379 citations	361045 20 h-index	500791 28 g-index
33 all docs	33 docs citations	33 times ranked	14747 citing authors

#	ARTICLE	IF	CITATIONS
1	Keypoint Transfer for Fast Whole-Body Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 273-282.	5.4	10
2	Statistical shape analysis: From landmarks to diffeomorphisms. Medical Image Analysis, 2016, 33, 155-158.	7.0	12
3	BrainPrint: A discriminative characterization of brain morphology. NeuroImage, 2015, 109, 232-248.	2.1	128
4	Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. Lecture Notes in Computer Science, 2015, 9350, 313-320.	1.0	66
5	Contour-Driven Atlas-Based Segmentation. IEEE Transactions on Medical Imaging, 2015, 34, 2492-2505.	5.4	34
6	A Latent Source Model for Patch-Based Image Segmentation. Lecture Notes in Computer Science, 2015, 9351, 140-148.	1.0	3
7	Decoupling function and anatomy in atlases of functional connectivity patterns: Language mapping in tumor patients. NeuroImage, 2014, 103, 462-475.	2.1	36
8	Atlas-Based Under-Segmentation. Lecture Notes in Computer Science, 2014, 17, 315-322.	1.0	14
9	Segmentation of Cerebrovascular Pathologies in Stroke Patients with Spatial and Shape Priors. Lecture Notes in Computer Science, 2014, 17, 773-780.	1.0	14
10	Search for patterns of functional specificity in the brain: A nonparametric hierarchical Bayesian model for group fMRI data. NeuroImage, 2012, 59, 1348-1368.	2.1	22
11	Whole brain resting state functional connectivity abnormalities in schizophrenia. Schizophrenia Research, 2012, 139, 7-12.	1.1	127
12	An image analysis toolbox for high-throughput C. elegans assays. Nature Methods, 2012, 9, 714-716.	9.0	154
13	Spectral Label Fusion. Lecture Notes in Computer Science, 2012, 15, 410-417.	1.0	9
14	Towards Effcient Label Fusion by Pre-Alignment of Training Data. , 2011, 14, 38-46.		6
15	Spherical Demons: Fast Diffeomorphic Landmark-Free Surface Registration. IEEE Transactions on Medical Imaging, 2010, 29, 650-668.	5.4	301
16	A Generative Model for Image Segmentation Based on Label Fusion. IEEE Transactions on Medical Imaging, 2010, 29, 1714-1729.	5.4	423
17	Resolving clustered worms via probabilistic shape models. , 2010, 2010, 552-555.		28
18	Multimodal functional imaging using fMRI-informed regional EEG/MEG source estimation. NeuroImage, 2010, 52, 97-108.	2.1	53

#	Article	IF	Citations
19	Robust feature selection in resting-state fMRI connectivity based on population studies. , 2010, , 63-70.		21
20	Scoring diverse cellular morphologies in image-based screens with iterative feedback and machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1826-1831.	3.3	345
21	Image-Driven Population Analysis Through Mixture Modeling. IEEE Transactions on Medical Imaging, 2009, 28, 1473-1487.	5.4	68
22	DT-REFinD: Diffusion Tensor Registration With Exact Finite-Strain Differential. IEEE Transactions on Medical Imaging, 2009, 28, 1914-1928.	5.4	84
23	Exploring functional connectivity in fMRI via clustering. , 2009, 2009, 441-444.		28
24	A distributed spatio-temporal EEG/MEG inverse solver. NeuroImage, 2009, 44, 932-946.	2.1	171
25	Asymmetric Image-Template Registration. Lecture Notes in Computer Science, 2009, 12, 565-573.	1.0	26
26	Supervised Nonparametric Image Parcellation. Lecture Notes in Computer Science, 2009, 12, 1075-1083.	1.0	6
27	Nonparametric Mixture Models for Supervised Image Parcellation. , 2009, 12, 301-313.		3
28	Effects of registration regularization and atlas sharpness on segmentation accuracy. Medical Image Analysis, 2008, 12, 603-615.	7.0	82
29	CellProfiler Analyst: data exploration and analysis software for complex image-based screens. BMC Bioinformatics, 2008, 9, 482.	1.2	496
30	Data-driven clustering reveals a fundamental subdivision of the human cortex into two global systems. Neuropsychologia, 2008, 46, 540-553.	0.7	169
31	CellProfiler: image analysis software for identifying and quantifying cell phenotypes. Genome Biology, 2006, 7, R100.	13.9	4,287
32	Detection and analysis of statistical differences in anatomical shape. Medical Image Analysis, 2005, 9, 69-86.	7.0	95
33	Shape Differences in the Corpus Callosum in First-Episode Schizophrenia and First-Episode Psychotic Affective Disorder. American Journal of Psychiatry, 2002, 159, 866-868.	4.0	58