

Polina Golland

List of Publications by Year in descending order

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Version: 2024-02-01

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	CellProfiler: image analysis software for identifying and quantifying cell phenotypes. <i>Genome Biology</i> , 2006, 7, R100.	13.9	4,287
2	CellProfiler Analyst: data exploration and analysis software for complex image-based screens. <i>BMC Bioinformatics</i> , 2008, 9, 482.	1.2	496
3	A Generative Model for Image Segmentation Based on Label Fusion. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1714-1729.	5.4	423
4	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, 1826-1831.	3.3	345
5	Spherical Demons: Fast Diffeomorphic Landmark-Free Surface Registration. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 650-668.	5.4	301
6	A distributed spatio-temporal EEG/MEG inverse solver. <i>NeuroImage</i> , 2009, 44, 932-946.	2.1	171
7	Data-driven clustering reveals a fundamental subdivision of the human cortex into two global systems. <i>Neuropsychologia</i> , 2008, 46, 540-553.	0.7	169
8	An image analysis toolbox for high-throughput <i>C. elegans</i> assays. <i>Nature Methods</i> , 2012, 9, 714-716.	9.0	154
9	BrainPrint: A discriminative characterization of brain morphology. <i>NeuroImage</i> , 2015, 109, 232-248.	2.1	128
10	Whole brain resting state functional connectivity abnormalities in schizophrenia. <i>Schizophrenia Research</i> , 2012, 139, 7-12.	1.1	127
11	Detection and analysis of statistical differences in anatomical shape. <i>Medical Image Analysis</i> , 2005, 9, 69-86.	7.0	95
12	DT-REFinD: Diffusion Tensor Registration With Exact Finite-Strain Differential. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1914-1928.	5.4	84
13	Effects of registration regularization and atlas sharpness on segmentation accuracy. <i>Medical Image Analysis</i> , 2008, 12, 603-615.	7.0	82
14	Image-Driven Population Analysis Through Mixture Modeling. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1473-1487.	5.4	68
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.	1.0	66
16	Shape Differences in the Corpus Callosum in First-Episode Schizophrenia and First-Episode Psychotic Affective Disorder. <i>American Journal of Psychiatry</i> , 2002, 159, 866-868.	4.0	58
17	Multimodal functional imaging using fMRI-informed regional EEG/MEG source estimation. <i>NeuroImage</i> , 2010, 52, 97-108.	2.1	53
18	Decoupling function and anatomy in atlases of functional connectivity patterns: Language mapping in tumor patients. <i>NeuroImage</i> , 2014, 103, 462-475.	2.1	36

#	ARTICLE	IF	CITATIONS
19	Contour-Driven Atlas-Based Segmentation. IEEE Transactions on Medical Imaging, 2015, 34, 2492-2505.	5.4	34
20	Exploring functional connectivity in fMRI via clustering. , 2009, 2009, 441-444.		28
21	Resolving clustered worms via probabilistic shape models. , 2010, 2010, 552-555.		28
22	Asymmetric Image-Template Registration. Lecture Notes in Computer Science, 2009, 12, 565-573.	1.0	26
23	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
24	Robust feature selection in resting-state fMRI connectivity based on population studies. , 2010, , 63-70.		21
25	Atlas-Based Under-Segmentation. Lecture Notes in Computer Science, 2014, 17, 315-322.	1.0	14
26	Segmentation of Cerebrovascular Pathologies in Stroke Patients with Spatial and Shape Priors. Lecture Notes in Computer Science, 2014, 17, 773-780.	1.0	14
27	Statistical shape analysis: From landmarks to diffeomorphisms. Medical Image Analysis, 2016, 33, 155-158.	7.0	12
28	Keypoint Transfer for Fast Whole-Body Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 273-282.	5.4	10
29	Spectral Label Fusion. Lecture Notes in Computer Science, 2012, 15, 410-417.	1.0	9
30	Supervised Nonparametric Image Parcellation. Lecture Notes in Computer Science, 2009, 12, 1075-1083.	1.0	6
31	Towards Efficient Label Fusion by Pre-Alignment of Training Data. , 2011, 14, 38-46.		6
32	A Latent Source Model for Patch-Based Image Segmentation. Lecture Notes in Computer Science, 2015, 9351, 140-148.	1.0	3
33	Nonparametric Mixture Models for Supervised Image Parcellation. , 2009, 12, 301-313.		3