Silvain Beriault

List of Publications by Year
in descending order

14 papers	510 citations	933447 10 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	677 citing authors

#	Article	IF	Citations
1	IBIS: an OR ready open-source platform for image-guided neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 363-378.	2.8	74
2	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson×³s disease cohort. Data in Brief, 2017, 12, 370-379.	1.0	94
3	Patch-based label fusion segmentation of brainstem structures with dual-contrast MRI for Parkinsonâ€™s disease. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1029-1041.	2.8	17
4	Automatic SWI Venography Segmentation Using Conditional Random Fields. IEEE Transactions on Medical Imaging, 2015, 34, 2478-2491.	8.9	14
5	Multi-contrast unbiased MRI atlas of a Parkinsonâ€™s disease population. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 329-341.	2.8	68
6	Neuronavigation using susceptibility-weighted venography: application to deep brain stimulation and comparison with gadolinium contrast. Journal of Neurosurgery, 2014, 121, 131-141.	1.6	64
7	Automatic Optimization of Depth Electrode Trajectory Planning. Lecture Notes in Computer Science, 2014, , 99-107.	1.3	3
8	Automatic Markov Random Field Segmentation of Susceptibility-Weighted MR Venography. Lecture Notes in Computer Science, 2014, , 39-47.	1.3	1
9	A Prospective Evaluation of Computer-Assisted Deep Brain Stimulation Trajectory Planning. Lecture Notes in Computer Science, 2013, , 42-49.	1.3	5
10	A multi-modal approach to computer-assisted deep brain stimulation trajectory planning. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 687-704.	2.8	71
11	Multicontrast multiecho FLASH MRI for targeting the subthalamic nucleus. Magnetic Resonance Imaging, 2012, 30, 627-640.	1.8	44
12	Atlas-Based Segmentation of the Subthalamic Nucleus, Red Nucleus, and Substantia Nigra for Deep Brain Stimulation by Incorporating Multiple MRI Contrasts. Lecture Notes in Computer Science, 2012, , 135-145.	1.3	14
13	Towards Computer-Assisted Deep Brain Stimulation Targeting with Multiple Active Contacts. Lecture Notes in Computer Science, 2012, 15, 487-494.	1.3	8
14	Automatic Trajectory Planning of DBS Neurosurgery from Multi-modal MRI Datasets. Lecture Notes in Computer Science, 2011, 14, 259-266.	1.3	27