Andriy Myronenko

List of Publications by Year
in descending order

29 papers	**3,842** citations	686830 **13** h-index	839053 **18** g-index
31 all docs	**31** docs citations	**31** times ranked	**4738** citing authors

#	ARTICLE	IF	CITATIONS
1	Point Set Registration: Coherent Point Drift. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 2262-2275.	9.7	2,018
2	3D MRI Brain Tumor Segmentation Using Autoencoder Regularization. Lecture Notes in Computer Science, 2019, , 311-320.	1.0	444
3	Artificial intelligence for the detection of COVID-19 pneumonia on chest CT using multinational datasets. Nature Communications, 2020, 11, 4080.	5.8	405
4	Intensity-Based Image Registration by Minimizing Residual Complexity. IEEE Transactions on Medical Imaging, 2010, 29, 1882-1891.	5.4	265
5	Generalizing Deep Learning for Medical Image Segmentation to Unseen Domains via Deep Stacked Transformation. IEEE Transactions on Medical Imaging, 2020, 39, 2531-2540.	5.4	220
6	Federated semi-supervised learning for COVID region segmentation in chest CT using multi-national data from China, Italy, Japan. Medical Image Analysis, 2021, 70, 101992.	7.0	140
7	Feasibility of real–time motion management with helical tomotherapy. Medical Physics, 2018, 45, 1329-1337.	1.6	46
8	Defining Left Ventricular Apex-to-Base Twist Mechanics Computed From High-Resolution 3D Echocardiography. JACC: Cardiovascular Imaging, 2010, 3, 227-234.	2.3	40
9	Maximum Likelihood Motion Estimation in 3D Echocardiography through Non-rigid Registration in Spherical Coordinates. Lecture Notes in Computer Science, 2009, , 427-436.	1.0	31
10	Robust Semantic Segmentation of Brain Tumor Regions from 3D MRIs. Lecture Notes in Computer Science, 2020, , 82-89.	1.0	31
11	Image registration by minimization of residual complexity. , 2009, , .		30
12	LV Motion Tracking from 3D Echocardiography Using Textural and Structural Information. , 2007, 10, 428-435.		27
13	End-to-End Boundary Aware Networks for Medical Image Segmentation. Lecture Notes in Computer Science, 2019, , 187-194.	1.0	22
14	NeurReg: Neural Registration and Its Application to Image Segmentation. , 2020, , .		21
15	Federated Whole Prostate Segmentation in MRI with Personalized Neural Architectures. Lecture Notes in Computer Science, 2021, , 357-366.	1.0	17
16	Accounting for Dependencies in Deep Learning Based Multiple Instance Learning for Whole Slide Imaging. Lecture Notes in Computer Science, 2021, , 329-338.	1.0	16
17	Speckle Tracking in 3D Echocardiography with Motion Coherence. , 2007, , .		10
18	Global active contour-based image segmentation via probability alignment. , 2009, , .		10

#	Article	IF	Citations
19	Fast and robust adaptation of organs-at-risk delineations from planning scans to match daily anatomy in pre-treatment scans for online-adaptive radiotherapy of abdominal tumors. Radiotherapy and Oncology, 2018, 127, 332-338.	0.3	9
20	4D CNN for Semantic Segmentation of Cardiac Volumetric Sequences. Lecture Notes in Computer Science, 2020, , 72-80.	1.0	7
21	Registration of Microscopic Iris Image Sequences Using Probabilistic Mesh. Lecture Notes in Computer Science, 2006, 9, 553-560.	1.0	6
22	Free-Form Nonrigid Image Registration Using Generalized Elastic Nets. , 2007, , .		4
23	Interpreting ultrasound elastography: Image registration of breast cancer ultrasound elastography to histopathology images. , 2010, , .		3
24	The Power of Proxy Data and Proxy Networks for Hyper-parameter Optimization in Medical Image Segmentation. Lecture Notes in Computer Science, 2021, , 456-465.	1.0	3
25	Image registration by minimization of Mapping Complexity. , 2009, , .		1
26	Global active contour-based image segmentation via probability alignment. , 2009, , .		1
27	Image registration by minimization of residual complexity. , 2009, , .		1
28	Redundancy Reduction inÂSemantic Segmentation ofÂ3D Brain Tumor MRIs. Lecture Notes in Computer Science, 2022, , 163-172.	1.0	1
29	Image registration by minimization of Mapping Complexity. , 2009, , .		0