S Kevin Zhou

List of Publications by Year
in descending order

		567144	610775
30 papers	1,427 citations	15 h-index	24 g-index
31 all docs	31 docs citations	31 times ranked	1141 citing authors

#	Article	IF	Citations
1	A Review of Deep Learning in Medical Imaging: Imaging Traits, Technology Trends, Case Studies With Progress Highlights, and Future Promises. Proceedings of the IEEE, 2021, 109, 820-838.	16.4	339
2	Combo loss: Handling input and output imbalance in multi-organ segmentation. Computerized Medical Imaging and Graphics, 2019, 75, 24-33.	3.5	212
3	Spine detection in CT and MR using iterated marginal space learning. Medical Image Analysis, 2013, 17, 1283-1292.	7.0	100
4	Hierarchical, learning-based automatic liver segmentation. , 2008, , .		99
5	Hierarchical parsing and semantic navigation of full body CT data. Proceedings of SPIE, 2009, , .	0.8	95
6	Label-Free Segmentation of COVID-19 Lesions in Lung CT. IEEE Transactions on Medical Imaging, 2021, 40, 2808-2819.	5.4	84
7	Automatic Detection and Segmentation of Lymph Nodes From CT Data. IEEE Transactions on Medical Imaging, 2012, 31, 240-250.	5.4	74
8	Lymph node detection and segmentation in chest CT data using discriminative learning and a spatial prior. Medical Image Analysis, 2013, 17, 254-270.	7.0	58
9	Marginal loss and exclusion loss for partially supervised multi-organ segmentation. Medical Image Analysis, 2021, 70, 101979.	7.0	54
10	Deep learning to segment pelvic bones: large-scale CT datasets and baseline models. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 749-756.	1.7	36
11	Detection of 3D Spinal Geometry Using Iterated Marginal Space Learning. Lecture Notes in Computer Science, 2011, , 96-105.	1.0	28
12	High-Resolution Chest X-Ray Bone Suppression Using Unpaired CT Structural Priors. IEEE Transactions on Medical Imaging, 2020, 39, 3053-3063.	5.4	28
13	Automatic Detection and Measurement of Structures in Fetal Head Ultrasound Volumes Using Sequential Estimation and Integrated Detection Network (IDN). IEEE Transactions on Medical Imaging, 2014, 33, 1054-1070.	5.4	27
14	Automatic Detection and Segmentation of Axillary Lymph Nodes. Lecture Notes in Computer Science, 2010, 13, 28-36.	1.0	25
15	Constrained marginal space learning for efficient 3D anatomical structure detection in medical images. , 2009, , .		23
16	Discriminative anatomy detection: Classification vs regression. Pattern Recognition Letters, 2014, 43, 25-38.	2.6	22
17	Lymph node detection in 3-D chest CT using a spatial prior probability. , 2010, , .		20
18	Fast Automatic Segmentation of the Esophagus from 3D CT Data Using a Probabilistic Model. Lecture Notes in Computer Science, 2009, 12, 255-262.	1.0	17

#	Article	IF	Citations
19	A probabilistic, hierarchical, and discriminant framework for rapid and accurate detection of deformable anatomic structure. , 2007, , .		13
20	One-Shot Medical Landmark Detection. Lecture Notes in Computer Science, 2021, , 177-188.	1.0	12
21	Encoding CT Anatomy Knowledge for Unpaired Chest X-ray Image Decomposition. Lecture Notes in Computer Science, 2019, , 275-283.	1.0	12
22	Miss the Point: Targeted Adversarial Attack on Multiple Landmark Detection. Lecture Notes in Computer Science, 2020, , 692-702.	1.0	12
23	Bounding Maps for Universal Lesion Detection. Lecture Notes in Computer Science, 2020, , 417-428.	1.0	10
24	GAN-based disentanglement learning for chest X-ray rib suppression. Medical Image Analysis, 2022, 77, 102369.	7.0	10
25	Vascular landmark detection in 3D CT data. Proceedings of SPIE, 2011, , .	0.8	3
26	A Hierarchical Feature Constraint toÂCamouflage Medical Adversarial Attacks. Lecture Notes in Computer Science, 2021, , 36-47.	1.0	3
27	A Probabilistic Framework for Multiple Organ Segmentation Using Learning Methods and Level Sets. , 2016, , 157-178.		2
28	Landmark detection and multiorgan segmentation: Representations and supervised approaches. , 2020, , 205-229.		2
29	Segmentation Based Features for Lymph Node Detection from 3-D Chest CT. Lecture Notes in Computer Science, 2011, , 91-99.	1.0	2
30	Anatomical landmark detection using multiple instance boosting with spatial regularization. , 2013, , .		1