S Kevin Zhou

List of Publications by Year
in descending order

30 papers	1,483 citations	516710 16 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	960 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.	21.3	339
2	Automatic Liver Segmentation Using an Adversarial Image-to-Image Network. Lecture Notes in Computer Science, 2017, , 507-515.	1.3	114
3	ADN: Artifact Disentanglement Network for Unsupervised Metal Artifact Reduction. IEEE Transactions on Medical Imaging, 2020, 39, 634-643.	8.9	112
4	Deep reinforcement learning in medical imaging: A literature review. Medical Image Analysis, 2021, 73, 102193.	11.6	88
5	Rubik's Cube+: A self-supervised feature learning framework for 3D medical image analysis. Medical Image Analysis, 2020, 64, 101746.	11.6	85
6	Label-Free Segmentation of COVID-19 Lesions in Lung CT. IEEE Transactions on Medical Imaging, 2021, 40, 2808-2819.	8.9	84
7	3D Anisotropic Hybrid Network: Transferring Convolutional Features from 2D Images to 3D Anisotropic Volumes. Lecture Notes in Computer Science, 2018, , 851-858.	1.3	77
8	Shallow Attention Network for Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 699-708.	1.3	71
9	DuDoRNet: Learning a Dual-Domain Recurrent Network for Fast MRI Reconstruction With Deep T1 Prior. , 2020, , .		65
10	Marginal loss and exclusion loss for partially supervised multi-organ segmentation. Medical Image Analysis, 2021, 70, 101979.	11.6	54
11	Dual-GAN: Joint BVP and Noise Modeling for Remote Physiological Measurement. , 2021, , .		44
12	DuDoDR-Net: Dual-domain data consistent recurrent network for simultaneous sparse view and metal artifact reduction in computed tomography. Medical Image Analysis, 2022, 75, 102289.	11.6	37
13	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.	2.8	36
14	Anatomy-guided multimodal registration by learning segmentation without ground truth: Application to intraprocedural CBCT/MR liver segmentation and registration. Medical Image Analysis, 2021, 71, 102041.	11.6	36
15	Limited View Tomographic Reconstruction Using a Cascaded Residual Dense Spatial-Channel Attention Network With Projection Data Fidelity Layer. IEEE Transactions on Medical Imaging, 2021, 40, 1792-1804.	8.9	35
16	Knowledge matters: Chest radiology report generation with general and specific knowledge. Medical Image Analysis, 2022, 80, 102510.	11.6	32
17	High-Resolution Chest X-Ray Bone Suppression Using Unpaired CT Structural Priors. IEEE Transactions on Medical Imaging, 2020, 39, 3053-3063.	8.9	28
18	Semi-Supervised Natural Face De-Occlusion. IEEE Transactions on Information Forensics and Security, 2021, 16, 1044-1057.	6.9	23

#	Article	IF	Citations
19	DuDoUFNet: Dual-Domain Under-to-Fully-Complete Progressive Restoration Network for Simultaneous Metal Artifact Reduction and Low-Dose CT Reconstruction. IEEE Transactions on Medical Imaging, 2022, 41, 3587-3599.	8.9	15
20	You only Learn Once: Universal Anatomical Landmark Detection. Lecture Notes in Computer Science, 2021, , 85-95.	1.3	14
21	One-Shot Medical Landmark Detection. Lecture Notes in Computer Science, 2021, , 177-188.	1.3	12
22	Encoding CT Anatomy Knowledge for Unpaired Chest X-ray Image Decomposition. Lecture Notes in Computer Science, 2019, , 275-283.	1.3	12
23	Miss the Point: Targeted Adversarial Attack on Multiple Landmark Detection. Lecture Notes in Computer Science, 2020, , 692-702.	1.3	12
24	Deep Collocative Learning for Immunofixation Electrophoresis Image Analysis. IEEE Transactions on Medical Imaging, 2021, 40, 1898-1910.	8.9	11
25	Bounding Maps for Universal Lesion Detection. Lecture Notes in Computer Science, 2020, , 417-428.	1.3	10
26	GAN-based disentanglement learning for chest X-ray rib suppression. Medical Image Analysis, 2022, 77, 102369.	11.6	10
27	DA-VSR: Domain Adaptable Volumetric Super-Resolution for Medical Images. Lecture Notes in Computer Science, 2021, , 75-85.	1.3	9
28	Improving Generalizability in Limited-Angle CT Reconstruction with Sinogram Extrapolation. Lecture Notes in Computer Science, 2021, , 86-96.	1.3	9
29	A Hierarchical Feature Constraint toÂCamouflage Medical Adversarial Attacks. Lecture Notes in Computer Science, 2021, , 36-47.	1.3	3
30	A^{3}DSegNet: Anatomy-Aware Artifact Disentanglement and Segmentation Network for Unpaired Segmentation, Artifact Reduction, and Modality Translation. Lecture Notes in Computer Science, 2021, , 360-372.	1.3	2