# Lequan Yu

## List of Publications by Year in Descending Order



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| 67 papers | 4,200 citations | 28 h-index | 64 g-index |
| 69 ext. papers | 5,745 ext. citations | 6 avg, IF | 6.21 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 67 | Robust Medical Image Classification from Noisy Labeled Data with Global and Local Representation Guided Co-training.. *IEEE Transactions on Medical Imaging*, **2022**, PP, | 11.7 | 1 |
| 66 | Novel-view X-ray projection synthesis through geometry-integrated deep learning.. *Medical Image Analysis*, **2022**, 77, 102372 | 15.4 | 0 |
| 65 | STPD: Defending against 0-norm attacks with space transformation. *Future Generation Computer Systems*, **2022**, 126, 225-236 | 7.5 | 1 |
| 64 | All-Around Real Label Supervision: Cyclic Prototype Consistency Learning for Semi-supervised Medical Image Segmentation.. *IEEE Journal of Biomedical and Health Informatics*, **2022**, PP, | 7.2 | 2 |
| 63 | Single pixel imaging via unsupervised deep compressive sensing with collaborative sparsity in discretized feature space.. *Journal of Biophotonics*, **2022**, e202200045 | 3.1 | |
| 62 | Towards reliable cardiac image segmentation: Assessing image-level and pixel-level segmentation quality via self-reflective references.. *Medical Image Analysis*, **2022**, 78, 102426 | 15.4 | 2 |
| 61 | Modularized data-driven reconstruction framework for nonideal focal spot effect elimination in computed tomography. *Medical Physics*, **2021**, 48, 2245-2257 | 4.4 | 3 |
| 60 | MR to ultrasound image registration with segmentation-based learning for HDR prostate brachytherapy. *Medical Physics*, **2021**, 48, 3074-3083 | 4.4 | 2 |
| 59 | NIA-Network: Towards improving lung CT infection detection for COVID-19 diagnosis. *Artificial Intelligence in Medicine*, **2021**, 117, 102082 | 7.4 | 4 |
| 58 | Transformation-Consistent Self-Ensembling Model for Semisupervised Medical Image Segmentation. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 523-534 | 10.3 | 70 |
| 57 | Deep Sinogram Completion With Image Prior for Metal Artifact Reduction in CT Images. *IEEE Transactions on Medical Imaging*, **2021**, 40, 228-238 | 11.7 | 16 |
| 56 | Deep Neural Network With Consistency Regularization of Multi-Output Channels for Improved Tumor Detection and Delineation. *IEEE Transactions on Medical Imaging*, **2021**, 40, 3369-3378 | 11.7 | 6 |
| 55 | Selective Learning from External Data for CT Image Segmentation. *Lecture Notes in Computer Science*, **2021**, 420-430 | 0.9 | |
| 54 | Metal artifact reduction in 2D CT images with self-supervised cross-domain learning. *Physics in Medicine and Biology*, **2021**, 66, | 3.8 | 1 |
| 53 | Rotation-Oriented Collaborative Self-Supervised Learning for Retinal Disease Diagnosis. *IEEE Transactions on Medical Imaging*, **2021**, 40, 2284-2294 | 11.7 | 6 |
| 52 | Dual-Teacher++: Exploiting Intra-Domain and Inter-Domain Knowledge With Reliable Transfer for Cardiac Segmentation. *IEEE Transactions on Medical Imaging*, **2021**, 40, 2771-2782 | 11.7 | 9 |
| 51 | TransCT: Dual-Path Transformer for Low Dose Computed Tomography. *Lecture Notes in Computer Science*, **2021**, 55-64 | 0.9 | 11 |

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|---|---|---|---|
| 50 | Revisiting metric learning for few-shot image classification. *Neurocomputing*, **2020**, 406, 49-58 | 5.4 | 16 |
| 49 | Semi-Supervised Medical Image Classification With Relation-Driven Self-Ensembling Model. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3429-3440 | 11.7 | 53 |
| 48 | Towards Cross-Modality Medical Image Segmentation with Online Mutual Knowledge Distillation. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2020**, 34, 775-783 | 5 | 20 |
| 47 | Deep Mining External Imperfect Data for Chest X-Ray Disease Screening. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3583-3594 | 11.7 | 19 |
| 46 | Uncertainty-aware multi-view co-training for semi-supervised medical image segmentation and domain adaptation. *Medical Image Analysis*, **2020**, 65, 101766 | 15.4 | 47 |
| 45 | MS-Net: Multi-Site Network for Improving Prostate Segmentation With Heterogeneous MRI Data. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2713-2724 | 11.7 | 69 |
| 44 | 3D Semi-Supervised Learning with Uncertainty-Aware Multi-View Co-Training **2020**, | | 32 |
| 43 | Unsupervised Detection of Distinctive Regions on 3D Shapes. *ACM Transactions on Graphics*, **2020**, 39, 1-14 | 7.6 | 4 |
| 42 | Learning from Extrinsic and Intrinsic Supervisions for Domain Generalization. *Lecture Notes in Computer Science*, **2020**, 159-176 | 0.9 | 18 |
| 41 | Difficulty-Aware Meta-learning for Rare Disease Diagnosis. *Lecture Notes in Computer Science*, **2020**, 357-366 | 0.9 | 16 |
| 40 | Dual-Teacher: Integrating Intra-domain and Inter-domain Teachers for Annotation-Efficient Cardiac Segmentation. *Lecture Notes in Computer Science*, **2020**, 418-427 | 0.9 | 14 |
| 39 | Local and Global Structure-Aware Entropy Regularized Mean Teacher Model for 3D Left Atrium Segmentation. *Lecture Notes in Computer Science*, **2020**, 562-571 | 0.9 | 11 |
| 38 | Robust Medical Image Segmentation from Non-expert Annotations with Tri-network. *Lecture Notes in Computer Science*, **2020**, 249-258 | 0.9 | 6 |
| 37 | CANet: Cross-Disease Attention Network for Joint Diabetic Retinopathy and Diabetic Macular Edema Grading. *IEEE Transactions on Medical Imaging*, **2020**, 39, 1483-1493 | 11.7 | 76 |
| 36 | Automatic intraprostatic lesion segmentation in multiparametric magnetic resonance images with proposed multiple branch UNet. *Medical Physics*, **2020**, 47, 6421-6429 | 4.4 | 8 |
| 35 | Self-Supervised Feature Learning via Exploiting Multi-Modal Data for Retinal Disease Diagnosis. *IEEE Transactions on Medical Imaging*, **2020**, 39, 4023-4033 | 11.7 | 18 |
| 34 | DoFE: Domain-Oriented Feature Embedding for Generalizable Fundus Image Segmentation on Unseen Datasets. *IEEE Transactions on Medical Imaging*, **2020**, 39, 4237-4248 | 11.7 | 16 |
| 33 | RMDL: Recalibrated multi-instance deep learning for whole slide gastric image classification. *Medical Image Analysis*, **2019**, 58, 101549 | 15.4 | 55 |

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| 32 | Towards Automated Semantic Segmentation in Prenatal Volumetric Ultrasound. *IEEE Transactions on Medical Imaging*, **2019**, 38, 180-193 | 11.7 | 45 |
| 31 | Agent with Warm Start and Active Termination for Plane Localization in 3D Ultrasound. *Lecture Notes in Computer Science*, **2019**, 290-298 | 0.9 | 10 |
| 30 | Predicting Fluid Intelligence from MRI Images with Encoder-Decoder Regularization. *Lecture Notes in Computer Science*, **2019**, 108-113 | 0.9 | 0 |
| 29 | Boundary and Entropy-Driven Adversarial Learning for Fundus Image Segmentation. *Lecture Notes in Computer Science*, **2019**, 102-110 | 0.9 | 28 |
| 28 | Uncertainty-Aware Self-ensembling Model for Semi-supervised 3D Left Atrium Segmentation. *Lecture Notes in Computer Science*, **2019**, 605-613 | 0.9 | 112 |
| 27 | Unsupervised Retina Image Synthesis via Disentangled Representation Learning. *Lecture Notes in Computer Science*, **2019**, 32-41 | 0.9 | 4 |
| 26 | Patch-Based Output Space Adversarial Learning for Joint Optic Disc and Cup Segmentation. *IEEE Transactions on Medical Imaging*, **2019**, 38, 2485-2495 | 11.7 | 93 |
| 25 | Class-Balanced Deep Neural Network for Automatic Ventricular Structure Segmentation. *Lecture Notes in Computer Science*, **2018**, 152-160 | 0.9 | 11 |
| 24 | SV-RCNet: Workflow Recognition From Surgical Videos Using Recurrent Convolutional Network. *IEEE Transactions on Medical Imaging*, **2018**, 37, 1114-1126 | 11.7 | 105 |
| 23 | VoxResNet: Deep voxelwise residual networks for brain segmentation from 3D MR images. *NeuroImage*, **2018**, 170, 446-455 | 7.9 | 364 |
| 22 | Deeply Supervised Rotation Equivariant Network for Lesion Segmentation in Dermoscopy Images. *Lecture Notes in Computer Science*, **2018**, 235-243 | 0.9 | 11 |
| 21 | EC-Net: An Edge-Aware Point Set Consolidation Network. *Lecture Notes in Computer Science*, **2018**, 398-414 | 0.9 | 50 |
| 20 | 3D Convolutional Networks for Fully Automatic Fine-Grained Whole Heart Partition. *Lecture Notes in Computer Science*, **2018**, 181-189 | 0.9 | 4 |
| 19 | Hybrid Loss Guided Convolutional Networks for Whole Heart Parsing. *Lecture Notes in Computer Science*, **2018**, 215-223 | 0.9 | 10 |
| 18 | PU-Net: Point Cloud Upsampling Network **2018**, | | 141 |
| 17 | 3D FractalNet: Dense Volumetric Segmentation for Cardiovascular MRI Volumes. *Lecture Notes in Computer Science*, **2017**, 103-110 | 0.9 | 20 |
| 16 | Comparative Validation of Polyp Detection Methods in Video Colonoscopy: Results From the MICCAI 2015 Endoscopic Vision Challenge. *IEEE Transactions on Medical Imaging*, **2017**, 36, 1231-1249 | 11.7 | 203 |
| 15 | 3D deeply supervised network for automated segmentation of volumetric medical images. *Medical Image Analysis*, **2017**, 41, 40-54 | 15.4 | 313 |

# List of Publications

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|---|---|---|---|
| 14 | Automated Melanoma Recognition in Dermoscopy Images via Very Deep Residual Networks. *IEEE Transactions on Medical Imaging*, **2017**, 36, 994-1004 | 11.7 | 470 |
| 13 | Integrating Online and Offline Three-Dimensional Deep Learning for Automated Polyp Detection in Colonoscopy Videos. *IEEE Journal of Biomedical and Health Informatics*, **2017**, 21, 65-75 | 7.2 | 129 |
| 12 | 3D U-net with Multi-level Deep Supervision: Fully Automatic Segmentation of Proximal Femur in 3D MR Images. *Lecture Notes in Computer Science*, **2017**, 274-282 | 0.9 | 43 |
| 11 | Automatic 3D Cardiovascular MR Segmentation with Densely-Connected Volumetric ConvNets. *Lecture Notes in Computer Science*, **2017**, 287-295 | 0.9 | 63 |
| 10 | DCAN: Deep contour-aware networks for object instance segmentation from histology images. *Medical Image Analysis*, **2017**, 36, 135-146 | 15.4 | 234 |
| 9 | Multilevel Contextual 3-D CNNs for False Positive Reduction in Pulmonary Nodule Detection. *IEEE Transactions on Biomedical Engineering*, **2017**, 64, 1558-1567 | 5 | 295 |
| 8 | Deep Cascaded Networks for Sparsely Distributed Object Detection from Medical Images **2017**, 133-154 | | 2 |
| 7 | Towards Automatic Semantic Segmentation in Volumetric Ultrasound. *Lecture Notes in Computer Science*, **2017**, 711-719 | 0.9 | 30 |
| 6 | AGNet: Attention-Guided Network for Surgical Tool Presence Detection. *Lecture Notes in Computer Science*, **2017**, 186-194 | 0.9 | 8 |
| 5 | 3D Deeply Supervised Network for Automatic Liver Segmentation from CT Volumes. *Lecture Notes in Computer Science*, **2016**, 149-157 | 0.9 | 139 |
| 4 | Automatic Detection of Cerebral Microbleeds From MR Images via 3D Convolutional Neural Networks. *IEEE Transactions on Medical Imaging*, **2016**, 35, 1182-1195 | 11.7 | 379 |
| 3 | DCAN: Deep Contour-Aware Networks for Accurate Gland Segmentation **2016**, | | 220 |
| 2 | Automatic detection of cerebral microbleeds via deep learning based 3D feature representation **2015**, | | 29 |
| 1 | Automatic cerebral microbleeds detection from MR images via Independent Subspace Analysis based hierarchical features. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 7933-6 | 0.9 | 3 |