# Sibo Tian

List of Publications by Year
in descending order

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|---|---|---|---|
| 91 papers | 1,459 citations | 361413<br>20 h-index | 345221<br>36 g-index |
| 92 all docs | 92 docs citations | 92 times ranked | 2068 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic <scp>MRI</scp> prostate segmentation. Medical Physics, 2019, 46, 1707-1718. | 3.0 | 151 |
| 2 | Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. Radiotherapy and Oncology, 2019, 141, 192-199. | 0.6 | 97 |
| 3 | Ultrasound prostate segmentation based on multidirectional deeply supervised Vâ€Net. Medical Physics, 2019, 46, 3194-3206. | 3.0 | 96 |
| 4 | Serum Biomarkers for the Detection of Cardiac Toxicity after Chemotherapy and Radiation Therapy in Breast Cancer Patients. Frontiers in Oncology, 2014, 4, 277. | 2.8 | 79 |
| 5 | Clinical Management of Multiple Melanoma Brain Metastases. JAMA Oncology, 2015, 1, 668. | 7.1 | 70 |
| 6 | CT prostate segmentation based on synthetic MRIâ€aided deep attention fully convolution network. Medical Physics, 2020, 47, 530-540. | 3.0 | 66 |
| 7 | Male pelvic multi-organ segmentation aided by CBCT-based synthetic MRI. Physics in Medicine and Biology, 2020, 65, 035013. | 3.0 | 58 |
| 8 | MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. British Journal of Radiology, 2019, 92, 20190067. | 2.2 | 52 |
| 9 | Concomitant Chemotherapy and Radiotherapy with SBRT Boost for Unresectable Stage III Nonâ€"Small Cell Lung Cancer: A Phase I Study. Journal of Thoracic Oncology, 2017, 12, 1687-1695. | 1.1 | 47 |
| 10 | Evaluation of a deep learning-based pelvic synthetic CT generation technique for MRI-based prostate proton treatment planning. Physics in Medicine and Biology, 2019, 64, 205022. | 3.0 | 45 |
| 11 | Lung Stereotactic Body Radiation Therapy and Concurrent Immunotherapy: A Multicenter Safety and Toxicity Analysis. International Journal of Radiation Oncology Biology Physics, 2020, 108, 304-313. | 0.8 | 42 |
| 12 | Survival outcomes by highâ€risk human papillomavirus status in nonoropharyngeal head and neck squamous cell carcinomas: A propensityâ€scored analysis of the National Cancer Data Base. Cancer, 2019, 125, 2782-2793. | 4.1 | 40 |
| 13 | Phylogeny Disambiguates the Evolution of Heat-Shock cis-Regulatory Elements in Drosophila. PLoS ONE, 2010, 5, e10669. | 2.5 | 39 |
| 14 | Learningâ€based automatic segmentation of arteriovenous malformations on contrast CT images in brain stereotactic radiosurgery. Medical Physics, 2019, 46, 3133-3141. | 3.0 | 39 |
| 15 | Pelvic multiâ€organ segmentation on coneâ€beam CT for prostate adaptive radiotherapy. Medical Physics, 2020, 47, 3415-3422. | 3.0 | 37 |
| 16 | Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. Frontiers in Oncology, 2018, 8, 440. | 2.8 | 34 |
| 17 | MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. Journal of Medical Imaging, 2018, 5, 1. | 1.5 | 33 |
| 18 | MRI-based synthetic CT generation using semantic random forest with iterative refinement. Physics in Medicine and Biology, 2019, 64, 085001. | 3.0 | 31 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. Medical Dosimetry, 2019, 44, e64-e70. | 0.9 | 30 |
| 20 | Health care disparities among octogenarians and nonagenarians with stage III lung cancer. Cancer, 2018, 124, 775-784. | 4.1 | 24 |
| 21 | Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. Medical Dosimetry, 2019, 44, e71-e79. | 0.9 | 20 |
| 22 | Automatic delineation of cardiac substructures using a region‐based fully convolutional network. Medical Physics, 2021, 48, 2867-2876. | 3.0 | 20 |
| 23 | Optimal timing of chemoradiotherapy after surgical resection of glioblastoma: Stratification by validated prognostic classification. Cancer, 2020, 126, 3255-3264. | 4.1 | 19 |
| 24 | Survival Outcomes With Thoracic Radiotherapy in Extensive-Stage Small-Cell Lung Cancer: AÂPropensity Score-Matched Analysis of the National Cancer Database. Clinical Lung Cancer, 2019, 20, 484-493.e6. | 2.6 | 16 |
| 25 | Automated delineation of organs-at-risk in head and neck CT images using multi-output support vector regression. , 2018, , . | | 16 |
| 26 | A planning study of focal dose escalations to multiparametric MRI-defined dominant intraprostatic lesions in prostate proton radiation therapy. British Journal of Radiology, 2020, 93, 20190845. | 2.2 | 15 |
| 27 | Magnetic resonance imaging-based pseudo computed tomography using anatomic signature and joint dictionary learning. Journal of Medical Imaging, 2018, 5, 1. | 1.5 | 15 |
| 28 | Prognostic value of radiographically defined extranodal extension in human papillomavirus‐associated locally advanced oropharyngeal carcinoma. Head and Neck, 2019, 41, 3056-3063. | 2.0 | 14 |
| 29 | Whole-lung low-dose radiation therapy (LD-RT) for non-intubated oxygen-dependent patients with COVID-19-related pneumonia receiving dexamethasone and/or remdesevir. Radiotherapy and Oncology, 2021, 165, 20-31. | 0.6 | 13 |
| 30 | Impact of intensity modulated radiation therapy on survival in anal cancer. Journal of Gastrointestinal Oncology, 2018, 9, 618-630. | 1.4 | 12 |
| 31 | Stereotactic body radiation therapy vs. surgery in early-stage non-small cell lung cancer: lessons learned, current recommendations, future directions. Journal of Thoracic Disease, 2018, 10, 1201-1204. | 1.4 | 12 |
| 32 | Automated prostate segmentation of volumetric CT images using 3D deeply supervised dilated FCN. , 2019, , . | | 12 |
| 33 | Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. Cancer, 2020, 126, 37-45. | 4.1 | 11 |
| 34 | Reproducibility in contouring the neurovascular bundle for prostate cancer radiation therapy. Practical Radiation Oncology, 2018, 8, e125-e131. | 2.1 | 10 |
| 35 | Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. Physics in Medicine and Biology, 2021, 66, 085007. | 3.0 | 9 |
| 36 | Mutual enhancing learning-based automatic segmentation of CT cardiac substructure. Physics in Medicine and Biology, 2022, 67, 105008. | 3.0 | 9 |

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|---|---------|-----|-----------|
| 37 | Survival advantage of chemoradiotherapy in anaplastic thyroid carcinoma: Propensity score matched analysis with multiple subgroups. Head and Neck, 2020, 42, 678-687. | 2.0 | 8 |
| 38 | MRI-based synthetic CT generation using deep convolutional neural network. , 2019, , . | | 8 |
| 39 | Regorafenib-induced transverse myelopathy after stereotactic body radiation therapy. Journal of Gastrointestinal Oncology, 2014, 5, E128-31. | 1.4 | 8 |
| 40 | Automatic MRI prostate segmentation using 3D deeply supervised FCN with concatenated atrous convolution. , 2019, , . | | 7 |
| 41 | Strain elastography as an early predictor of long-term prognosis in patients with locally advanced cervical cancers treated with concurrent chemoradiotherapy. European Radiology, 2020, 30, 471-481. | 4.5 | 6 |
| 42 | Genomic copy number variation correlates with survival outcomes in WHO grade IV glioma. Scientific Reports, 2020, 10, 7355. | 3.3 | 6 |
| 43 | Multidisciplinary Management of Brain Metastases from Non-Small Cell Lung Cancer in the Era of Immunotherapy. Current Treatment Options in Oncology, 2021, 22, 77. | 3.0 | 6 |
| 44 | The omission of intentional primary site radiation following transoral robotic surgery in 59 patients: No local–regional failures. Head and Neck, 2021, 44, 382. | 2.0 | 6 |
| 45 | Musculoskeletal outcomes and the effect of radiation to the vertebral bodies on growth trajectories for long-term survivors of high-risk neuroblastoma. Journal of Radiation Oncology, 2018, 7, 187-193. | 0.7 | 5 |
| 46 | Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. Translational Lung Cancer Research, 2018, 8, 15-23. | 2.8 | 5 |
| 47 | Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDB. Annals of Surgical Oncology, 2022, 29, 649-659. | 1.5 | 5 |
| 48 | Ultrasound prostate segmentation based on 3D V-Net with deep supervision. , 2019, , . | | 5 |
| 49 | Dosimetric Uncertainties in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. Advances in Radiation Oncology, 2022, 7, 100826. | 1.2 | 5 |
| 50 | Bone Marrow Suppression during Postoperative Radiation for Bladder Cancer and Comparative Benefit of Proton Therapy—Phase 2 Trial Secondary Analysis. International Journal of Particle Therapy, 2022, 8, 1-10. | 1.8 | 4 |
| 51 | Implementation of a Knowledge-Based Treatment Planning Model for Cardiac-Sparing Lung Radiation Therapy. Advances in Radiation Oncology, 2021, 6, 100745. | 1.2 | 4 |
| 52 | Adherence to Children's Oncology Group (COG) long-term follow-up guidelines for echocardiogram screening in young adult survivors of childhood cancer.. Journal of Clinical Oncology, 2018, 36, e22513-e22513. | 1.6 | 4 |
| 53 | Prospective International Pilot Study Evaluating the Efficacy of a Self-Guided Contouring Teaching Module With Integrated Feedback for Transitioning From 2D to 3D Treatment Planning. Journal of Global Oncology, 2019, 5, 1-16. | 0.5 | 3 |
| 54 | Reduced–volume tumor–bed boost is not associated with inferior local control and survival outcomes in high–risk medulloblastoma. Pediatric Blood and Cancer, 2020, 67, e28027. | 1.5 | 3 |

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|---|---------|----|-----------|
| 55 | Thyroid gland delineation in noncontrast-enhanced CTs using deep convolutional neural networks. Physics in Medicine and Biology, 2021, 66, 055007. | 3.0 | 3 |
| 56 | More effective systemic therapies are needed for chondrosarcoma: A National Cancer Data Base (NCDB) analysis.. Journal of Clinical Oncology, 2018, 36, e23508-e23508. | 1.6 | 3 |
| 57 | Daily cone-beam CT multi-organ segmentation for prostate adaptive radiotherapy. , 2021, , . | | 2 |
| 58 | Survival outcomes by HPV status in non-oropharyngeal head and neck cancers: A propensity score matched analysis of population level data.. Journal of Clinical Oncology, 2018, 36, 6005-6005. | 1.6 | 2 |
| 59 | Automatic multi-organ segmentation in thorax CT images using U-Net-GAN. , 2019, , . | | 2 |
| 60 | The timing of chemoradiotherapy after surgical resection and its impact on overall survival in glioblastoma.. Journal of Clinical Oncology, 2019, 37, 2051-2051. | 1.6 | 2 |
| 61 | Multi-organ segmentation in pelvic CT images with CT-based synthetic MRI. , 2020, , . | | 2 |
| 62 | A Prospective International Pilot Study Evaluating the Efficacy of a Self-Guided Contouring Teaching Module with Integrated Feedback for Transitioning from 2D to 3D Treatment Planning. International Journal of Radiation Oncology Biology Physics, 2019, 103, E6. | 0.8 | 1 |
| 63 | Radiomic Analysis of Radiation Induced Fibrosis Following Stereotactic Body Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 105, E505-E506. | 0.8 | 1 |
| 64 | Statistical and Texture Descriptors of Symptomatic Plantar Fasciitis Using Ultrasound Shear Wave Elastography. IEEE Access, 2020, 8, 120146-120159. | 4.2 | 1 |
| 65 | Increased 18F-FDG Metabolic Activity during Lung SBRT Predicts Risk of Disease Progression: Results from a Prospective Study of Serial Inter-Fraction PET/CTs. International Journal of Radiation Oncology Biology Physics, 2020, 108, S59-S60. | 0.8 | 1 |
| 66 | Moderately Hypofractionated Radiation for Benign Meningiomas and Schwannomas: A Report of 70 Patients Treated Between 2008 and 2018. Advances in Radiation Oncology, 2020, 5, 1147-1151. | 1.2 | 1 |
| 67 | MRI classification using semantic random forest with auto-context model. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4753-4766. | 2.0 | 1 |
| 68 | Multi-organ segmentation of male pelvic CT using dual attention networks. , 2021, , . | | 1 |
| 69 | Lung tumor segmentation of PET/CT using dual pyramid mask R-CNN. , 2021, , . | | 1 |
| 70 | Rapid Comparative Planning to Predict Oropharyngeal Toxicity Reduction for Proton Therapy vs. VMAT. International Journal of Radiation Oncology Biology Physics, 2021, 111, e396-e397. | 0.8 | 1 |
| 71 | Reduced Intubation Rates Following Whole-Lung Low-Dose Radiation Therapy (LD-RT) in Patients With COVID-19-Related Pneumonia. International Journal of Radiation Oncology Biology Physics, 2021, 111, e41-e42. | 0.8 | 1 |
| 72 | Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. Journal of Clinical Oncology, 2017, 35, e18075-e18075. | 1.6 | 1 |

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| 73 | Angiotensin-Converting Enzyme Inhibitors or Angiotensin Receptor Blocker use During Stereotactic Body Radiation Therapy Associated with Decreased Pneumonitis: A Multi-center Analysis. International Journal of Radiation Oncology Biology Physics, 2018, 102, e680-e681. | 0.8 | 0 |
| 74 | Medulla Dose is Positively Associated with Sensation of Thirst & Midbrain Dose is Inversely Associated with Pain: Prospectively-Collected Patient-Reported Toxicities and Brainstem Dose in Head and Neck Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, e198. | 0.8 | 0 |
| 75 | HIV-Positive Anal Cancer Patients Treated with Definitive Chemoradiation: Factors Impacting Clinical Outcomes. International Journal of Radiation Oncology Biology Physics, 2018, 102, e16. | 0.8 | 0 |
| 76 | P2.03-07 Radiomic Signatures Linked to Genetic Alterations as Detected by Next-Generation Sequencing: A Radiogenomics Analysis of Early-Stage NSCLC. Journal of Thoracic Oncology, 2018, 13, S718-S719. | 1.1 | 0 |
| 77 | Pre- vs Post-Operative Radiation Therapy, and Time to Surgery: An Exploratory Analysis of Predictors of Survival in Soft Tissue Sarcoma Stratified by Histological Subtype. International Journal of Radiation Oncology Biology Physics, 2018, 102, e206. | 0.8 | 0 |
| 78 | PO-0776 Neutrophil-to-lymphocyte ratio dynamics predict for survival in lung cancer treated with SBRT. Radiotherapy and Oncology, 2019, 133, S400-S401. | 0.6 | 0 |
| 79 | Online Prediction of Dosimetric Changes in Dominant Intraprostatic Lesion Simultaneous Boost Using Intensity Modulated Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 108, S170-S171. | 0.8 | 0 |
| 80 | Examining the use of pre‐operative radiation therapy in addition to perioperative chemotherapy: National Cancer Data Base vs. Surveillance, Epidemiology, and End Results. Cancer, 2020, 126, 2037-2038. | 4.1 | 0 |
| 81 | ASO Visual Abstract: Impact of Metastasectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDB. Annals of Surgical Oncology, 2021, 28, 579-580. | 1.5 | 0 |
| 82 | Dosimetric Comparison of Single-Isocenter and Multiple-Isocenter Techniques for Two-Lesion Lung SBRT Using the RefleXion High-Speed Ring-Gantry System. International Journal of Radiation Oncology Biology Physics, 2021, 111, e139-e140. | 0.8 | 0 |
| 83 | Survival outcomes in gastric and gastroesophageal junction adenocarcinoma treated with peri-operative chemotherapy with or without pre-operative radiotherapy.. Journal of Clinical Oncology, 2018, 36, 4026-4026. | 1.6 | 0 |
| 84 | Correlation of genomic copy number variation with survival outcomes in high-grade glioma patients.. Journal of Clinical Oncology, 2018, 36, e14091-e14091. | 1.6 | 0 |
| 85 | MRI-based pseudo CT generation using classification and regression random forest. , 2019, , . | | 0 |
| 86 | Brain MRI classification based on machine learning framework with auto-context model. , 2019, , . | | 0 |
| 87 | CT-based pancreatic multi-organ segmentation by a 3D deep attention U-net network. , 2020, , . | | 0 |
| 88 | Synthetic MRI-aided pelvic multi-organ segmentation in cone-beam computed tomography. , 2020, , . | | 0 |
| 89 | Association of Operability With Post-Treatment Mortality in Early-Stage Non-Small Cell Lung Cancer. Clinical Lung Cancer, 2022, , . | 2.6 | 0 |
| 90 | Artificial intelligence in imaging of coronary artery disease: current applications and future perspective. Chinese Journal of Academic Radiology, 2022, 5, 10-19. | 0.6 | 0 |

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|---|---------|----|-----------|
| 91 | Neurovascular bundles segmentation on MRI via hierarchical object activation network. , 2022, , . | | 0 |