# Bulat Ibragimov

List of Publications by Year
in descending order

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|---|---|---|---|
| 37<br>papers | 2,166<br>citations | 279798<br>23<br>h-index | 395702<br>33<br>g-index |
| 37<br>all docs | 37<br>docs citations | 37<br>times ranked | 2628<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Segmentation of organs–at–risks in head and neck <scp>CT</scp> images using convolutional neural networks. Medical Physics, 2017, 44, 547-557. | 3.0 | 398 |
| 2 | A benchmark for comparison of dental radiography analysis algorithms. Medical Image Analysis, 2016, 31, 63-76. | 11.6 | 229 |
| 3 | Fully automated quantitative cephalometry using convolutional neural networks. Journal of Medical Imaging, 2017, 4, 014501. | 1.5 | 168 |
| 4 | Evaluation and Comparison of Anatomical Landmark Detection Methods for Cephalometric X-Ray Images: A Grand Challenge. IEEE Transactions on Medical Imaging, 2015, 34, 1890-1900. | 8.9 | 135 |
| 5 | A multi-center milestone study of clinical vertebral CT segmentation. Computerized Medical Imaging and Graphics, 2016, 49, 16-28. | 5.8 | 104 |
| 6 | Development of deep neural network for individualized hepatobiliary toxicity prediction after liver <scp>SBRT</scp>. Medical Physics, 2018, 45, 4763-4774. | 3.0 | 103 |
| 7 | Prostate cancer classification with multiparametric MRI transfer learning model. Medical Physics, 2019, 46, 756-765. | 3.0 | 98 |
| 8 | A Framework for Automated Spine and Vertebrae Interpolation-Based Detection and Model-Based Segmentation. IEEE Transactions on Medical Imaging, 2015, 34, 1649-1662. | 8.9 | 97 |
| 9 | Auto–segmentation of organs at risk for head and neck radiotherapy planning: From atlas–based to deep learning methods. Medical Physics, 2020, 47, e929-e950. | 3.0 | 85 |
| 10 | Shape Representation for Efficient Landmark-Based Segmentation in 3-D. IEEE Transactions on Medical Imaging, 2014, 33, 861-874. | 8.9 | 84 |
| 11 | Combining deep learning with anatomical analysis for segmentation of the portal vein for liver SBRT planning. Physics in Medicine and Biology, 2017, 62, 8943-8958. | 3.0 | 65 |
| 12 | Developing and validating COVID-19 adverse outcome risk prediction models from a bi-national European cohort of 5594 patients. Scientific Reports, 2021, 11, 3246. | 3.3 | 62 |
| 13 | Evaluation and comparison of 3D intervertebral disc localization and segmentation methods for 3D T2 MR data: A grand challenge. Medical Image Analysis, 2017, 35, 327-344. | 11.6 | 59 |
| 14 | Learning deconvolutional deep neural network for high resolution medical image reconstruction. Information Sciences, 2018, 468, 142-154. | 6.9 | 58 |
| 15 | A Game-Theoretic Framework for Landmark-Based Image Segmentation. IEEE Transactions on Medical Imaging, 2012, 31, 1761-1776. | 8.9 | 49 |
| 16 | Segmentation of Pathological Structures by Landmark-Assisted Deformable Models. IEEE Transactions on Medical Imaging, 2017, 36, 1457-1469. | 8.9 | 40 |
| 17 | Strategies for prediction and mitigation of radiation-induced liver toxicity. Journal of Radiation Research, 2018, 59, i40-i49. | 1.6 | 33 |
| 18 | Segmentation of parotid glands from registered CT and MR images. Physica Medica, 2018, 52, 33-41. | 0.7 | 33 |

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|---|---------|-----|-----------|
| 19 | Contour-aware multi-label chest X-ray organ segmentation. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 425-436. | 2.8 | 33 |
| 20 | Segmentation of tongue muscles from super-resolution magnetic resonance images. Medical Image Analysis, 2015, 20, 198-207. | 11.6 | 32 |
| 21 | Deep Learning for Diagnosis and Segmentation of Pneumothorax: The Results on the Kaggle Competition and Validation Against Radiologists. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1660-1672. | 6.3 | 31 |
| 22 | Densely Connected Neural Network With Unbalanced Discriminant and Category Sensitive Constraints for Polyp Recognition. IEEE Transactions on Automation Science and Engineering, 2020, 17, 574-583. | 5.2 | 26 |
| 23 | Neural Networks for Deep Radiotherapy Dose Analysis and Prediction of Liver SBRT Outcomes. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1821-1833. | 6.3 | 25 |
| 24 | Deep learning for identification of critical regions associated with toxicities after liver stereotactic body radiation therapy. Medical Physics, 2020, 47, 3721-3731. | 3.0 | 22 |
| 25 | Augmenting atlas-based liver segmentation for radiotherapy treatment planning by incorporating image features proximal to the atlas contours. Physics in Medicine and Biology, 2017, 62, 272-288. | 3.0 | 20 |
| 26 | Mutual-Prototype Adaptation for Cross-Domain Polyp Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3886-3897. | 6.3 | 17 |
| 27 | Accurate landmark-based segmentation by incorporating landmark misdetections. , 2016, , . | | 16 |
| 28 | Spinopelvic measurements of sagittal balance with deep learning: systematic review and critical evaluation. European Spine Journal, 2022, 31, 2031-2045. | 2.2 | 9 |
| 29 | A deep learning framework for vertebral morphometry and Cobb angle measurement with external validation. European Spine Journal, 2022, 31, 2115-2124. | 2.2 | 7 |
| 30 | Automated hepatobiliary toxicity prediction after liver stereotactic body radiation therapy with deep learning-based portal vein segmentation. Neurocomputing, 2020, 392, 181-188. | 5.9 | 6 |
| 31 | Multi-landmark environment analysis with reinforcement learning for pelvic abnormality detection and quantification. Medical Image Analysis, 2022, 78, 102417. | 11.6 | 6 |
| 32 | Artificial Intelligence for the Analysis of Workload-Related Changes in Radiologists' Gaze Patterns. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4541-4550. | 6.3 | 6 |
| 33 | Adversarial Reconstruction Loss for Domain Generalization. IEEE Access, 2021, 9, 42424-42437. | 4.2 | 5 |
| 34 | Low dose 4D-CT super-resolution reconstruction via inter-plane motion estimation based on optical flow. Biomedical Signal Processing and Control, 2020, 62, 102085. | 5.7 | 3 |
| 35 | Extracting clinical information from chest x-ray reports: A case study for Russian language. , 2020, , . | | 1 |
| 36 | AI-based analysis of radiologist's eye movements for fatigue estimation: a pilot study on chest X-rays. , 2022, , . | | 1 |

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| 37 | Segmentation of Organs-At-Risk from Ct and Mr Images of the Head and Neck: Baseline Results. , 2022, , . | | 0 |