

Bulat Ibragimov

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,166
citations

279701

23
h-index

395590

33
g-index

37
all docs

37
docs citations

37
times ranked

2628
citing authors

#	ARTICLE	IF	CITATIONS
1	Segmentation of organs at risk in head and neck CT images using convolutional neural networks. Medical Physics, 2017, 44, 547-557.	1.6	398
2	A benchmark for comparison of dental radiography analysis algorithms. Medical Image Analysis, 2016, 31, 63-76.	7.0	229
3	Fully automated quantitative cephalometry using convolutional neural networks. Journal of Medical Imaging, 2017, 4, 014501.	0.8	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.	5.4	135
5	A multi-center milestone study of clinical vertebral CT segmentation. Computerized Medical Imaging and Graphics, 2016, 49, 16-28.	3.5	104
6	Development of deep neural network for individualized hepatobiliary toxicity prediction after liver SBRT. Medical Physics, 2018, 45, 4763-4774.	1.6	103
7	Prostate cancer classification with multiparametric MRI transfer learning model. Medical Physics, 2019, 46, 756-765.	1.6	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.	5.4	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.	1.6	85
10	Shape Representation for Efficient Landmark-Based Segmentation in 3-D. IEEE Transactions on Medical Imaging, 2014, 33, 861-874.	5.4	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.	1.6	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.	1.6	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.	7.0	59
14	Learning deconvolutional deep neural network for high resolution medical image reconstruction. Information Sciences, 2018, 468, 142-154.	4.0	58
15	A Game-Theoretic Framework for Landmark-Based Image Segmentation. IEEE Transactions on Medical Imaging, 2012, 31, 1761-1776.	5.4	49
16	Segmentation of Pathological Structures by Landmark-Assisted Deformable Models. IEEE Transactions on Medical Imaging, 2017, 36, 1457-1469.	5.4	40
17	Strategies for prediction and mitigation of radiation-induced liver toxicity. Journal of Radiation Research, 2018, 59, i40-i49.	0.8	33
18	Segmentation of parotid glands from registered CT and MR images. Physica Medica, 2018, 52, 33-41.	0.4	33

#	ARTICLE	IF	CITATIONS
19	Contour-aware multi-label chest X-ray organ segmentation. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 425-436.	1.7	33
20	Segmentation of tongue muscles from super-resolution magnetic resonance images. Medical Image Analysis, 2015, 20, 198-207.	7.0	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.	3.9	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.	3.4	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.	3.9	25
24	Deep learning for identification of critical regions associated with toxicities after liver stereotactic body radiation therapy. Medical Physics, 2020, 47, 3721-3731.	1.6	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.	1.6	20
26	Mutual-Prototype Adaptation for Cross-Domain Polyp Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3886-3897.	3.9	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.	1.0	9
29	A deep learning framework for vertebral morphometry and Cobb angle measurement with external validation. European Spine Journal, 2022, 31, 2115-2124.	1.0	7
30	Automated hepatobiliary toxicity prediction after liver stereotactic body radiation therapy with deep learning-based portal vein segmentation. Neurocomputing, 2020, 392, 181-188.	3.5	6
31	Multi-landmark environment analysis with reinforcement learning for pelvic abnormality detection and quantification. Medical Image Analysis, 2022, 78, 102417.	7.0	6
32	Artificial Intelligence for the Analysis of Workload-Related Changes in Radiologists's Gaze Patterns. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4541-4550.	3.9	6
33	Adversarial Reconstruction Loss for Domain Generalization. IEEE Access, 2021, 9, 42424-42437.	2.6	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.	3.5	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

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