Wanyi Fu

List of Publications by Year
in descending order

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24	224	1039880 9	1058333 14
papers	citations	h-index	g-index

24	24	24	341
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification of Multiple Diseases on Body CT Scans Using Weakly Supervised Deep Learning. Radiology: Artificial Intelligence, 2022, 4, e210026.	3.0	6
2	Corrections to â€œiPhantom: A Framework for Automated Creation of Individualized Computational Phantoms and its Application to CT Organ Dosimetryâ€•[Aug 21 3061-3072]. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 478-478.	3.9	0
3	Quality or quantity: toward a unified approach for multi-organ segmentation in body CT. , 2022, , .		0
4	Comparison of 12 surrogates to characterize CT radiation risk across a clinical population. European Radiology, 2021, 31, 7022-7030.	2.3	16
5	Patient-Informed Organ Dose Estimation in Clinical CT: Implementation and Effective Dose Assessment in 1048 Clinical Patients. American Journal of Roentgenology, 2021, 216, 824-834.	1.0	15
6	iPhantom: A Framework for Automated Creation of Individualized Computational Phantoms and Its Application to CT Organ Dosimetry. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3061-3072.	3.9	15
7	Development and validation of an automated methodology to assess perceptual in vivo noise texture in liver CT. Journal of Medical Imaging, 2021, 8, 052113.	0.8	4
8	A comparison of COVID-19 and imaging radiation risk in clinical patient populations. Journal of Radiological Protection, 2020, , .	0.6	5
9	Modeling Patient-Informed Liver Contrast Perfusion in Contrast-enhanced Computed Tomography. Journal of Computer Assisted Tomography, 2020, 44, 882-886.	0.5	1
10	A real-time Monte Carlo tool for individualized dose estimations in clinical CT. Physics in Medicine and Biology, 2019, 64, 215020.	1.6	18
11	Organ doses from CT localizer radiographs: Development, validation, and application of a Monte Carlo estimation technique. Medical Physics, 2019, 46, 5262-5272.	1.6	11
12	Multi-organ segmentation in clinical-computed tomography for patient-specific image quality and dose metrology. , 2019, , .		7
13	Deep learning of 3D CT images for organ segmentation using 2D multi-channel SegNet model. , 2019, , .		3
14	Patient-informed and physiology-based modelling of contrast dynamics in cross-sectional imaging. , 2019, , .		1
15	From patient-informed to patient-specific organ dose estimation in clinical computed tomography. , 2018, , .		6
16	A rapid GPU-based Monte-Carlo simulation tool for individualized dose estimations in CT. , 2018, , .		6
17	<scp>CT</scp> breast dose reduction with the use of breast positioning and organâ€based tube current modulation. Medical Physics, 2017, 44, 665-678.	1.6	17
18	Optimizing window settings for improved presentation of virtual monoenergetic images in dualâ€energy computed tomography. Medical Physics, 2017, 44, 5686-5696.	1.6	10

#	Article	IF	Citations
19	Estimation of breast dose reduction potential for organ-based tube current modulated CT with wide dose reduction arc. Proceedings of SPIE, 2017, , .	0.8	0
20	Use of a Noise Optimized Monoenergetic Algorithm for Patient-Size Independent Selection of an Optimal Energy Level During Dual-Energy CT of the Pancreas. Journal of Computer Assisted Tomography, 2017, 41, 39-47.	0.5	28
21	Breast dose reduction with organ-based, wide-angle tube current modulated CT. Journal of Medical Imaging, 2017, 4, 031208.	0.8	7
22	Organ dose conversion coefficients for tube current modulated CT protocols for an adult population. Proceedings of SPIE, 2016, , .	0.8	1
23	Estimation of breast dose saving potential using a breast positioning technique for organ-based tube current modulated CT. Proceedings of SPIE, 2016, , .	0.8	2
24	Effect of a Noise-Optimized Second-Generation Monoenergetic Algorithm on Image Noise and Conspicuity of Hypervascular Liver Tumors: An In Vitro and In Vivo Study. American Journal of Roentgenology, 2016, 206, 1222-1232.	1.0	45