

Vasant Kearney

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

611
citations

758635

12
h-index

940134

16
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17
all docs

17
docs citations

17
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	DoseNet: a volumetric dose prediction algorithm using 3D fully-convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2018, 63, 235022.	1.6	129
2	A Deep Look Into the Future of Quantitative Imaging in Oncology: A Statement of Working Principles and Proposal for Change. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1074-1082.	0.4	86
3	A convolutional neural network algorithm for automatic segmentation of head and neck organs at risk using deep lifelong learning. <i>Medical Physics</i> , 2019, 46, 2204-2213.	1.6	51
4	The application of artificial intelligence in the IMRT planning process for head and neck cancer. <i>Oral Oncology</i> , 2018, 87, 111-116.	0.8	50
5	DoseGAN: a generative adversarial network for synthetic dose prediction using attention-gated discrimination and generation. <i>Scientific Reports</i> , 2020, 10, 11073.	1.6	50
6	An unsupervised convolutional neural network-based algorithm for deformable image registration. <i>Physics in Medicine and Biology</i> , 2018, 63, 185017.	1.6	48
7	Attention-enabled 3D boosted convolutional neural networks for semantic CT segmentation using deep supervision. <i>Physics in Medicine and Biology</i> , 2019, 64, 135001.	1.6	37
8	Attention-Aware Discrimination for MR-to-CT Image Translation Using Cycle-Consistent Generative Adversarial Networks. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190027.	3.0	35
9	Hollow Gold Nanoparticles as Biocompatible Radiosensitizer: An <i>In Vitro</i> Proof of Concept Study. <i>Journal of Nano Research</i> , 0, 32, 106-112.	0.8	26
10	Automated landmark-guided deformable image registration. <i>Physics in Medicine and Biology</i> , 2015, 60, 101-116.	1.6	18
11	CyberArc: a non-coplanar-arc optimization algorithm for CyberKnife. <i>Physics in Medicine and Biology</i> , 2017, 62, 5777-5789.	1.6	16
12	Improved contrast and noise of megavoltage computed tomography (MVCT) through cycle-consistent generative machine learning. <i>Medical Physics</i> , 2021, 48, 676-690.	1.6	14
13	Design of a portable imager for near-infrared visualization of cutaneous wounds. <i>Journal of Biomedical Optics</i> , 2017, 22, 016010.	1.4	12
14	Correcting TG 119 confidence limits. <i>Medical Physics</i> , 2018, 45, 1001-1008.	1.6	12
15	A continuous arc delivery optimization algorithm for CyberKnife m6. <i>Medical Physics</i> , 2018, 45, 3861-3870.	1.6	12
16	Canny edge-based deformable image registration. <i>Physics in Medicine and Biology</i> , 2017, 62, 966-985.	1.6	9
17	Optimizing beam models for dosimetric accuracy over a wide range of treatments. <i>Physica Medica</i> , 2019, 58, 47-53.	0.4	6