

Peter C Park

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

939
citations

840119

11
h-index

940134

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all docs

16
docs citations

16
times ranked

1109
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive analysis of proton range uncertainties related to patient stopping-power-ratio estimation using the stoichiometric calibration. <i>Physics in Medicine and Biology</i> , 2012, 57, 4095-4115.	1.6	273
2	A Beam-Specific Planning Target Volume (PTV) Design for Proton Therapy to Account for Setup and Range Uncertainties. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e329-e336.	0.4	145
3	Effectiveness of robust optimization in intensity-modulated proton therapy planning for head and neck cancers. <i>Medical Physics</i> , 2013, 40, 051711.	1.6	135
4	A Visually Apparent and Quantifiable CT Imaging Feature Identifies Biophysical Subtypes of Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 5883-5894.	3.2	76
5	Impact of respiratory motion on worst-case scenario optimized intensity modulated proton therapy for lung cancers. <i>Practical Radiation Oncology</i> , 2015, 5, e77-e86.	1.1	75
6	Motion-robust intensity-modulated proton therapy for distal esophageal cancer. <i>Medical Physics</i> , 2016, 43, 1111-1118.	1.6	63
7	Statistical Assessment of Proton Treatment Plans Under Setup and Range Uncertainties. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 1007-1013.	0.4	53
8	Effects of Respiratory Motion on Passively Scattered Proton Therapy Versus Intensity Modulated Photon Therapy for Stage III Lung Cancer: Are Proton Plans More Sensitive to Breathing Motion?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 576-582.	0.4	35
9	Perturbation of water-equivalent thickness as a surrogate for respiratory motion in proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 368-378.	0.8	19
10	Fast range-corrected proton dose approximation method using prior dose distribution. <i>Physics in Medicine and Biology</i> , 2012, 57, 3555-3569.	1.6	14
11	Enhancement pattern mapping technique for improving contrast-to-noise ratios and detectability of hepatobiliary tumors on multiphase computed tomography. <i>Medical Physics</i> , 2020, 47, 64-74.	1.6	12
12	Effect of setup and inter-fraction anatomical changes on the accumulated dose in CT-guided breath-hold intensity modulated proton therapy of liver malignancies. <i>Radiotherapy and Oncology</i> , 2019, 134, 101-109.	0.3	11
13	MRI-Based Computed Tomography Metal Artifact Correction Method for Improving Proton Range Calculation Accuracy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 849-856.	0.4	10
14	Vasculature-Driven Biomechanical Deformable Image Registration of Longitudinal Liver Cholangiocarcinoma Computed Tomographic Scans. <i>Advances in Radiation Oncology</i> , 2020, 5, 269-278.	0.6	8
15	The role of imaging in the clinical practice of radiation oncology for pancreatic cancer. <i>Abdominal Radiology</i> , 2018, 43, 393-403.	1.0	6
16	Proton Therapy for Juvenile Pilocytic Astrocytoma: Quantifying Treatment Responses by Magnetic Resonance Diffusion Tensor Imaging. <i>International Journal of Particle Therapy</i> , 2016, 3, 414-420.	0.9	4