Peter C Park

List of Publications by Year
in descending order

16 papers	939 citations	840776 11 h-index	940533 16 g-index
16 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. Physics in Medicine and Biology, 2012, 57, 4095-4115.	3.0	273
2	A Beam-Specific Planning Target Volume (PTV) Design for Proton Therapy to Account for Setup and Range Uncertainties. International Journal of Radiation Oncology Biology Physics, 2012, 82, e329-e336.	0.8	145
3	Effectiveness of robust optimization in intensityâ€modulated proton therapy planning for head and neck cancers. Medical Physics, 2013, 40, 051711.	3.0	135
4	A Visually Apparent and Quantifiable CT Imaging Feature Identifies Biophysical Subtypes of Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2018, 24, 5883-5894.	7.0	76
5	Impact of respiratory motion on worst-case scenario optimized intensity modulated proton therapy for lung cancers. Practical Radiation Oncology, 2015, 5, e77-e86.	2.1	75
6	Motionâ€robust intensityâ€modulated proton therapy for distal esophageal cancer. Medical Physics, 2016, 43, 1111-1118.	3.0	63
7	Statistical Assessment of Proton Treatment Plans Under Setup and Range Uncertainties. International Journal of Radiation Oncology Biology Physics, 2013, 86, 1007-1013.	0.8	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?. International Journal of Radiation Oncology Biology Physics, 2013, 87, 576-582.	0.8	35
9	Perturbation of waterâ€equivalent thickness as a surrogate for respiratory motion in proton therapy. Journal of Applied Clinical Medical Physics, 2016, 17, 368-378.	1.9	19
10	Fast range-corrected proton dose approximation method using prior dose distribution. Physics in Medicine and Biology, 2012, 57, 3555-3569.	3.0	14
11	Enhancement pattern mapping technique for improving contrastâ€toâ€noise ratios and detectability of hepatobiliary tumors on multiphase computed tomography. Medical Physics, 2020, 47, 64-74.	3.0	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. Radiotherapy and Oncology, 2019, 134, 101-109.	0.6	11
13	MRI-Based Computed Tomography Metal Artifact Correction Method for Improving Proton Range Calculation Accuracy. International Journal of Radiation Oncology Biology Physics, 2015, 91, 849-856.	0.8	10
14	Vasculature-Driven Biomechanical Deformable Image Registration of Longitudinal Liver Cholangiocarcinoma Computed Tomographic Scans. Advances in Radiation Oncology, 2020, 5, 269-278.	1.2	8
15	The role of imaging in the clinical practice of radiation oncology for pancreatic cancer. Abdominal Radiology, 2018, 43, 393-403.	2.1	6
16	Proton Therapy for Juvenile Pilocytic Astrocytoma: Quantifying Treatment Responses by Magnetic Resonance Diffusion Tensor Imaging. International Journal of Particle Therapy, 2016, 3, 414-420.	1.8	4