Ming Yang

List of Publications by Year
in descending order

25 papers	766 citations	687363 13 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1055 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	Generating synthesized computed tomography (CT) from cone-beam computed tomography (CBCT) using CycleGAN for adaptive radiation therapy. Physics in Medicine and Biology, 2019, 64, 125002.	3.0	170
3	Role of miRâ€223â€3p in pulmonary arterial hypertension *via* targeting *ITGB3* in the ECM pathway. Cell Proliferation, 2019, 52, e12550.	5.3	46
4	Stereotactic Ablative Radiotherapy Uncertainties: Delineation, Setup and Motion. Seminars in Radiation Oncology, 2018, 28, 207-217.	2.2	35
5	Technical Note: A feasibility study on deep learningâ€based radiotherapy dose calculation. Medical Physics, 2020, 47, 753-758.	3.0	33
6	Three-dimensional printer-aided casting of soft, custom silicone boluses (SCSBs) for head and neck radiation therapy. Practical Radiation Oncology, 2018, 8, e167-e174.	2.1	25
7	Automated high-dose rate brachytherapy treatment planning for a single-channel vaginal cylinder applicator. Physics in Medicine and Biology, 2017, 62, 4361-4374.	3.0	20
8	Improving accuracy of electron density measurement in the presence of metallic implants using orthovoltage computed tomography. Medical Physics, 2008, 35, 1932-1941.	3.0	19
9	Trans-vaccenic acid inhibits proliferation and induces apoptosis of human nasopharyngeal carcinoma cells via a mitochondrial-mediated apoptosis pathway. Lipids in Health and Disease, 2019, 18, 46.	3.0	18
10	Multienergy Cone-Beam Computed Tomography Reconstruction with a Spatial Spectral Nonlocal Means Algorithm. SIAM Journal on Imaging Sciences, 2018, 11, 1205-1229.	2.2	16
11	Design and validation of a synchrotron proton beam line for FLASH radiotherapy preclinical research experiments. Medical Physics, 2022, 49, 497-509.	3.0	16
12	Material elemental decomposition in dual and multiâ€energy CT via a sparsityâ€dictionary approach for proton stopping power ratio calculation. Medical Physics, 2018, 45, 1491-1503.	3.0	15
13	Systematic analysis of the impact of imaging noise on dualâ€energy CT â€based proton stopping power ratio estimation. Medical Physics, 2019, 46, 2251-2263.	3.0	14
14	YBX3 Mediates the Metastasis of Nasopharyngeal Carcinoma via PI3K/AKT Signaling. Frontiers in Oncology, 2021, 11, 617621.	2.8	12
15	Analysis of geometric variation of neck node levels during image-guided radiotherapy for nasopharyngeal carcinoma: recommended planning margins. Quantitative Imaging in Medicine and Surgery, 2018, 8, 637-647.	2.0	11
16	Multienergy elementâ€resolved cone beam CT (MEERâ€CBCT) realized on a conventional CBCT platform. Medical Physics, 2018, 45, 4461-4470.	3.0	10
17	Optimal energy selection for proton stopping-power-ratio estimation using dual-energy CT-based monoenergetic imaging. Physics in Medicine and Biology, 2019, 64, 195015.	3.0	9
18	Risk factors for hospitalization of children with congenital adrenal hyperplasia. Clinical Endocrinology, 2017, 86, 669-673.	2.4	7

#	Article	IF	Citations
19	A method to reconstruct intra-fractional liver motion in rotational radiotherapy using linear fiducial markers. Physics in Medicine and Biology, 2019, 64, 225013.	3.0	5
20	Radiation Therapy for Pediatric Brain Tumors using Robotic Radiation Delivery System and Intensity Modulated Proton Therapy. Practical Radiation Oncology, 2020, 10, e173-e182.	2.1	5
21	Optimized multiparametric flow cytometric analysis of circulating endothelial cells and their subpopulations in peripheral blood of patients with solid tumors: a technical analysis. Cancer Management and Research, 2018, Volume 10, 447-464.	1.9	3
22	Effect of recombinant human insulin-like growth factor 1 therapy in a child with 3-M syndrome-1 with CUL7 gene mutation. Journal of Pediatric Endocrinology and Metabolism, 2020, 33, 1609-1612.	0.9	2
23	Improvements in medical CT image reconstruction accuracy in the presence of metal objects by using x-rays up to 1 MeV. Proceedings of SPIE, 2009, , .	0.8	1
24	Simultaneous Image Reconstruction and Element Decomposition for Iodine Contrast Agent Visualization in Multienergy Element-Resolved Cone Beam CT. Frontiers in Oncology, 2022, 12, 827136.	2.8	1
25	MOâ€FFâ€A3â€06: Does KVâ€MV Dualâ€Energy Computed Tomography Have an Advantage in Measuring Proton Stopping Power Ratio in Patients?. Medical Physics, 2010, 37, 3365-3365.	3.0	0