

George X Ding

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,289
citations

304743

22
h-index

254184

43
g-index

46
all docs

46
docs citations

46
times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical note: Bremsstrahlung dose in the electron beam at extended distances in total skin electron therapy. <i>Medical Physics</i> , 2022, 49, 1297-1302.	3.0	0
2	Validity of equivalent square field concept in small field dosimetry. <i>Medical Physics</i> , 2022, 49, 4043-4055.	3.0	4
3	Local Control After Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 160-171.	0.8	32
4	Tumor Control Probability Modeling and Systematic Review of the Literature of Stereotactic Body Radiation Therapy for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 227-236.	0.8	23
5	Prospective observational trial of low-dose skin electron beam therapy in mycosis fungoides using a rotational technique. <i>Journal of the American Academy of Dermatology</i> , 2021, 85, 121-127.	1.2	5
6	Monte Carlo study on dose distributions from total skin electron irradiation therapy (TSET). <i>Physics in Medicine and Biology</i> , 2021, 66, 075010.	3.0	5
7	Stereotactic Radiosurgery for Vestibular Schwannomas: Tumor Control Probability Analyses and Recommended Reporting Standards. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 100-111.	0.8	12
8	Stereotactic Body Radiation Therapy for Spinal Metastases: Tumor Control Probability Analyses and Recommended Reporting Standards. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 112-123.	0.8	25
9	Report of AAPM Task Group 155: Megavoltage photon beam dosimetry in small fields and non-equilibrium conditions. <i>Medical Physics</i> , 2021, 48, e886-e921.	3.0	50
10	Stopping power ratios for electron beams used in total skin electron therapy. <i>Medical Physics</i> , 2021, 48, 5472-5478.	3.0	2
11	Technical Note: Imaging dose resulting from optimized procedures with limited-angle intrafractional verification system during stereotactic body radiation therapy lung treatment. <i>Medical Physics</i> , 2019, 46, 2709-2715.	3.0	0
12	Diffuse Primary Cutaneous Anaplastic Large Cell Lymphoma Treated by Rotational Total Skin Electron Beam Radiotherapy with Custom Shielding: Case Report. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2019, 50, 454-459.	0.3	1
13	Image guidance doses delivered during radiotherapy: Quantification, management, and reduction: Report of the AAPM Therapy Physics Committee Task Group 180. <i>Medical Physics</i> , 2018, 45, e84-e99.	3.0	104
14	A simple technique to improve calculated skin dose accuracy in a commercial treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 191-197.	1.9	30
15	Dosimetric effects of incorrect jaw settings in cranial radiosurgery. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 027004.	1.2	2
16	Estimating the uncertainty of calculated out-of-field organ dose from a commercial treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 319-324.	1.9	7
17	Characteristics of 2.5-MV beam and imaging dose to patients. <i>Radiotherapy and Oncology</i> , 2017, 125, 541-547.	0.6	10
18	Loss of Nrf2 promotes alveolar type 2 cell loss in irradiated, fibrotic lung. <i>Free Radical Biology and Medicine</i> , 2017, 112, 578-586.	2.9	24

#	ARTICLE	IF	CITATIONS
19	Scalp-sparing total skin electron therapy in mycosis fungoides: Case report featuring a technique without lead. <i>Practical Radiation Oncology</i> , 2017, 7, 400-402.	2.1	5
20	Margin of error for a frameless image guided radiosurgery system: Direct confirmation based on posttreatment MRI scans. <i>Practical Radiation Oncology</i> , 2017, 7, e223-e231.	2.1	15
21	Tumor control probability modeling for stereotactic body radiation therapy of early-stage lung cancer using multiple bio-physical models. <i>Radiotherapy and Oncology</i> , 2017, 122, 286-294.	0.6	44
22	Skin dose differences between intensity-modulated radiation therapy and volumetric-modulated arc therapy and between boost and integrated treatment regimens for treating head and neck and other cancer sites in patients. <i>Medical Dosimetry</i> , 2016, 41, 80-86.	0.9	12
23	An alternative approach to account for patient organ doses from imaging guidance procedures. <i>Radiotherapy and Oncology</i> , 2014, 112, 112-118.	0.6	19
24	A single-gradient junction technique to replace multiple-junction shifts for craniospinal irradiation treatment. <i>Medical Dosimetry</i> , 2014, 39, 314-319.	0.9	15
25	Radiation exposure to patients from image guidance procedures and techniques to reduce the imaging dose. <i>Radiotherapy and Oncology</i> , 2013, 108, 91-98.	0.6	77
26	An empirical formula to obtain tissue-phantom ratios from percentage depth dose curves for small fields. <i>Physics in Medicine and Biology</i> , 2013, 58, 4781-4789.	3.0	10
27	An optically stimulated luminescence dosimeter for measuring patient exposure from imaging guidance procedures. <i>Physics in Medicine and Biology</i> , 2013, 58, 5885-5897.	3.0	31
28	Beam characteristics and stopping-power ratios of small radiosurgery photon beams. <i>Physics in Medicine and Biology</i> , 2012, 57, 5509-5521.	3.0	16
29	Dosimetric evaluation of the OneDose [®] MOSFET for measuring kilovoltage imaging dose from image-guided radiotherapy procedures. <i>Medical Physics</i> , 2010, 37, 4880-4885.	3.0	12
30	Beam characteristics and radiation output of a kilovoltage cone-beam CT. <i>Physics in Medicine and Biology</i> , 2010, 55, 5231-5248.	3.0	32
31	Reducing radiation exposure to patients from kV-CBCT imaging. <i>Radiotherapy and Oncology</i> , 2010, 97, 585-592.	0.6	74
32	Radiation Dose From Kilovoltage Cone Beam Computed Tomography in an Image-Guided Radiotherapy Procedure. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 610-617.	0.8	148
33	Small fields: Nonequilibrium radiation dosimetry. <i>Medical Physics</i> , 2008, 35, 206-215.	3.0	532
34	Accurate patient dosimetry of kilovoltage cone-beam CT in radiation therapy. <i>Medical Physics</i> , 2008, 35, 1135-1144.	3.0	150
35	A theoretical approach for non-equilibrium radiation dosimetry. <i>Physics in Medicine and Biology</i> , 2008, 53, 3493-3499.	3.0	15
36	Characteristics of kilovoltage x-ray beams used for cone-beam computed tomography in radiation therapy. <i>Physics in Medicine and Biology</i> , 2007, 52, 1595-1615.	3.0	114

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37	Impact of inhomogeneity corrections on dose coverage in the treatment of lung cancer using stereotactic body radiation therapy. <i>Medical Physics</i> , 2007, 34, 2985-2994.	3.0	78
38	A study on adaptive IMRT treatment planning using kV cone-beam CT. <i>Radiotherapy and Oncology</i> , 2007, 85, 116-125.	0.6	167
39	First macro Monte Carlo based commercial dose calculation module for electron beam treatment planning—new issues for clinical consideration. <i>Physics in Medicine and Biology</i> , 2006, 51, 2781-2799.	3.0	57
40	A comparison of electron beam dose calculation accuracy between treatment planning systems using either a pencil beam or a Monte Carlo algorithm. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 622-633.	0.8	59
41	An investigation of accelerator head scatter and output factor in air. <i>Medical Physics</i> , 2004, 31, 2527-2533.	3.0	23
42	Using Monte Carlo simulations to commission photon beam output factors—a feasibility study. <i>Physics in Medicine and Biology</i> , 2003, 48, 3865-3874.	3.0	37
43	Are neutrons responsible for the dose discrepancies between Monte Carlo calculations and measurements in the build-up region for a high-energy photon beam?. <i>Physics in Medicine and Biology</i> , 2002, 47, 3251-3261.	3.0	12
44	Dose discrepancies between Monte Carlo calculations and measurements in the buildup region for a high-energy photon beam. <i>Medical Physics</i> , 2002, 29, 2459-2463.	3.0	62
45	Energy spectra, angular spread, fluence profiles and dose distributions of 6 and 18 MV photon beams: results of Monte Carlo simulations for a Varian 2100EX accelerator. <i>Physics in Medicine and Biology</i> , 2002, 47, 1025-1046.	3.0	136