

Xiao-Wu Deng

List of Publications by Year in descending order

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79
papers

2,695
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236925

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docs citations

87
times ranked

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#	ARTICLE	IF	CITATIONS
1	Long-term Survivals, Toxicities and the Role of Chemotherapy in Early-Stage Nasopharyngeal Carcinoma Patients Treated with Intensity-Modulated Radiation Therapy: A Retrospective Study with 15-Year Follow-up. <i>Cancer Research and Treatment</i> , 2022, 54, 118-129.	3.0	10
2	Comparison of Absolute Dose Achievable Between Helical Tomotherapy and RapidArc in Total Dura Mater Irradiation for Child Cancer. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382110726.	1.9	1
3	Radioprotective effect of X-ray abdominal FLASH irradiation: Adaptation to oxidative damage and inflammatory response may be benefiting factors. <i>Medical Physics</i> , 2022, 49, 4812-4822.	3.0	18
4	Impact on xerostomia for nasopharyngeal carcinoma patients treated with superficial parotid lobe-sparing intensity-modulated radiation therapy (SPLS-IMRT): A prospective phase II randomized controlled study. <i>Radiotherapy and Oncology</i> , 2022, 175, 1-9.	0.6	7
5	Adjuvant capecitabine in locoregionally advanced nasopharyngeal carcinoma: A multicenter randomized controlled phase III trial.. <i>Journal of Clinical Oncology</i> , 2021, 39, 6005-6005.	1.6	16
6	Brain-Specific Relative Biological Effectiveness of Protons Based on Long-term Outcome of Patients With Nasopharyngeal Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 984-992.	0.8	12
7	Computed Tomography-Based Evaluation of Volume and Position Changes of the Target Region and Organs at Risk During Radiotherapy for Esophageal Cancer: A Pilot Study. <i>Frontiers in Oncology</i> , 2021, 11, 702400.	2.8	0
8	Multivariate NTCP Model of Hypothyroidism After Intensity-Modulated Radiotherapy for Nasopharyngeal Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 714536.	2.8	4
9	Development of a DNA damage model that accommodates different cellular oxygen concentrations and radiation qualities. <i>Medical Physics</i> , 2021, 48, 5511-5521.	3.0	5
10	Modeling of cellular response after FLASH irradiation: a quantitative analysis based on the radiolytic oxygen depletion hypothesis. <i>Physics in Medicine and Biology</i> , 2021, 66, 185009.	3.0	13
11	Low-Cost iPhone-Assisted Processing to Obtain Radiotherapy Bolus Using Optical Surface Reconstruction and 3D-Printing. <i>Scientific Reports</i> , 2020, 10, 8016.	3.3	6
12	Comparison of Different Combinations of Irradiation Mode and Jaw Width in Helical Tomotherapy for Nasopharyngeal Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 598.	2.8	3
13	Quantifying the Interfractional motion of Esophagus Using Daily Cone Beam Computed Tomography with Oral Contrast During Radiation Therapy for Locally Advanced Non-Small Cell Lung Cancer. <i>Practical Radiation Oncology</i> , 2020, 10, e339-e347.	2.1	2
14	Magnetic resonance-based synthetic computed tomography images generated using generative adversarial networks for nasopharyngeal carcinoma radiotherapy treatment planning. <i>Radiotherapy and Oncology</i> , 2020, 150, 217-224.	0.6	49
15	Multi-sequence MR image-based synthetic CT generation using a generative adversarial network for head and neck MRI-only radiotherapy. <i>Medical Physics</i> , 2020, 47, 1880-1894.	3.0	71
16	A Prospective 10-Year Observational Study of Reduction of Radiation Therapy Clinical Target Volume and Dose in Early-Stage Nasopharyngeal Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 672-682.	0.8	22
17	Development of a Comorbidity-Based Nomogram to Predict Survival After Salvage Reirradiation of Locally Recurrent Nasopharyngeal Carcinoma in the Intensity-Modulated Radiotherapy Era. <i>Frontiers in Oncology</i> , 2020, 10, 625184.	2.8	2
18	Locoregional Control and Mild Late Toxicity After Reducing Target Volumes and Radiation Doses in Patients With Locoregionally Advanced Nasopharyngeal Carcinoma Treated With Induction Chemotherapy (IC) Followed by Concurrent Chemoradiotherapy: 10-Year Results of a Phase 2 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 836-844.	0.8	33

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19	Long-term outcome and pattern of failure for patients with nasopharyngeal carcinoma treated with intensity-modulated radiotherapy. <i>Head and Neck</i> , 2019, 41, 1246-1252.	2.0	43
20	Long-term survival and late toxicities of elderly nasopharyngeal carcinoma (NPC) patients treated by high-total- and fractionated-dose simultaneous modulated accelerated radiotherapy with or without chemotherapy. <i>Oral Oncology</i> , 2019, 89, 40-47.	1.5	7
21	Retrospective dosimetry study of intensity-modulated radiation therapy for nasopharyngeal carcinoma: measurement-guided dose reconstruction and analysis. <i>Radiation Oncology</i> , 2018, 13, 42.	2.7	7
22	Efficacy and safety of primary surgery with postoperative radiotherapy in head and neck mucosal melanoma: a single-arm Phase II study. <i>Cancer Management and Research</i> , 2018, Volume 10, 6985-6996.	1.9	8
23	AFOMP policy number 6: code of ethics for medical physicists in AFOMP Countries. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 809-810.	1.3	0
24	Comparison of treatment plan quality of VMAT for esophageal carcinoma with: flattening filter beam versus flattening filter free beam. <i>Journal of Cancer</i> , 2018, 9, 3263-3268.	2.5	7
25	Prospective matched study on comparison of volumetric-modulated arc therapy and intensity-modulated radiotherapy for nasopharyngeal carcinoma: dosimetry, delivery efficiency and outcomes. <i>Journal of Cancer</i> , 2018, 9, 978-986.	2.5	11
26	Interobserver variations in the delineation of target volumes and organs at risk and their impact on dose distribution in intensity-modulated radiation therapy for nasopharyngeal carcinoma. <i>Oral Oncology</i> , 2018, 82, 1-7.	1.5	31
27	Comparison of 3D and 2D gamma passing rate criteria for detection sensitivity to <sc>IMRT</sc> delivery errors. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 230-238.	1.9	12
28	Clinical evaluation for the difference of absorbed doses calculated to medium and calculated to water by Monte Carlo method. <i>Radiation Oncology</i> , 2018, 13, 137.	2.7	10
29	Dosimetric Effects of Head and Neck Immobilization Devices on Multi-field Intensity Modulated Radiation Therapy for Nasopharyngeal Carcinoma. <i>Journal of Cancer</i> , 2018, 9, 2443-2450.	2.5	6
30	An esophagus-sparing technique to limit radiation esophagitis in locally advanced non-small cell lung cancer treated by simultaneous integrated boost intensity-modulated radiotherapy and concurrent chemotherapy. <i>Radiation Oncology</i> , 2018, 13, 130.	2.7	21
31	Temporal lobe injury patterns following intensity modulated radiotherapy in a large cohort of nasopharyngeal carcinoma patients. <i>Oral Oncology</i> , 2018, 85, 8-14.	1.5	19
32	Early Prediction of Acute Xerostomia During Radiation Therapy for Head and Neck Cancer Based on Texture Analysis of Daily CT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1308-1318.	0.8	26
33	The development and implementation of MOSAIQ Integration Platform (MIP) based on the radiotherapy workflow. , 2017, , .		0
34	The value of the Prognostic Nutritional Index (PNI) in predicting outcomes and guiding the treatment strategy of nasopharyngeal carcinoma (NPC) patients receiving intensity-modulated radiotherapy (IMRT) with or without chemotherapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1263-1273.	2.5	62
35	Neutron dose distribution in the treatment room for an accelerator in the flattening filter-free mode. <i>Precision Radiation Oncology</i> , 2017, 1, 13-19.	1.1	0
36	Advantage of PET/CT in Target Delineation of MRI-negative Cervical Lymph Nodes In Intensity-Modulated Radiation Therapy Planning for Nasopharyngeal Carcinoma. <i>Journal of Cancer</i> , 2017, 8, 4117-4123.	2.5	10

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37	Assessment of female breast dose for thoracic cone-beam CT using MOSFET dosimeters. <i>Oncotarget</i> , 2017, 8, 20179-20186.	1.8	9
38	Sensorineural Hearing Loss after Combined Intensity Modulated Radiation Therapy and Cisplatin-Based Chemotherapy for Nasopharyngeal Carcinoma. <i>Translational Oncology</i> , 2015, 8, 456-462.	3.7	27
39	Distant metastasis risk and patterns of nasopharyngeal carcinoma in the era of IMRT: long-term results and benefits of chemotherapy. <i>Oncotarget</i> , 2015, 6, 24511-24521.	1.8	72
40	Phase II trial of recombinant human endostatin in combination with concurrent chemoradiotherapy in patients with stage III non-small-cell lung cancer. <i>Radiotherapy and Oncology</i> , 2015, 114, 161-166.	0.6	30
41	Normal Tissue Complication Probability Model for Radiation-induced Temporal Lobe Injury after Intensity-modulated Radiation Therapy for Nasopharyngeal Carcinoma. <i>Radiology</i> , 2015, 276, 243-249.	7.3	44
42	Positron emission tomography-computed tomography before treatment is highly prognostic of distant metastasis in nasopharyngeal carcinoma patients after intensity-modulated radiotherapy treatment: A prospective study with long-term follow-up. <i>Oral Oncology</i> , 2015, 51, 363-369.	1.5	24
43	Analysis of late toxicity in nasopharyngeal carcinoma patients treated with intensity modulated radiation therapy. <i>Radiation Oncology</i> , 2015, 10, 17.	2.7	75
44	Fast 3D dosimetric verifications based on an electronic portal imaging device using a GPU calculation engine. <i>Radiation Oncology</i> , 2015, 10, 85.	2.7	15
45	Risk factors and prediction-score model for distant metastasis in nasopharyngeal carcinoma treated with intensity-modulated radiotherapy. <i>Tumor Biology</i> , 2015, 36, 8349-8357.	1.8	25
46	Prognostic Nomogram for Patients with Nasopharyngeal Carcinoma after Intensity-Modulated Radiotherapy. <i>PLoS ONE</i> , 2015, 10, e0134491.	2.5	19
47	Prognostic score models for survival of nasopharyngeal carcinoma patients treated with intensity-modulated radiotherapy and chemotherapy. <i>Oncotarget</i> , 2015, 6, 39373-39383.	1.8	19
48	Retrospective Analysis of 234 Nasopharyngeal Carcinoma Patients with Distant Metastasis at Initial Diagnosis: Therapeutic Approaches and Prognostic Factors. <i>PLoS ONE</i> , 2014, 9, e108070.	2.5	60
49	Effect of total dose and fraction size on survival of patients with locally recurrent nasopharyngeal carcinoma treated with intensity-modulated radiotherapy: A phase 2, single-center, randomized controlled trial. <i>Cancer</i> , 2014, 120, 3502-3509.	4.1	50
50	Evaluating the Therapeutic Dose Distribution of Intensity-Modulated Radiation Therapy for Head and Neck with Cone-Beam Computed Tomography Image: A Methodological Study. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	7
51	Investigation of a pulsed current annealing method in reusing MOSFET dosimeters for <i>in vivo</i> IMRT dosimetry. <i>Medical Physics</i> , 2014, 41, 051710.	3.0	11
52	Gantry angle-dependent correction of dose detection error due to panel position displacement in IMRT dose verification using EPIDs. <i>Physica Medica</i> , 2014, 30, 209-214.	0.7	10
53	Intensity-modulated radiotherapy for stage IVA/IVB nasopharyngeal carcinoma. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 993-1000.	2.0	20
54	Long-term outcomes of intensity-modulated radiotherapy for 868 patients with nasopharyngeal carcinoma: An analysis of survival and treatment toxicities. <i>Radiotherapy and Oncology</i> , 2014, 110, 398-403.	0.6	451

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55	Comparative study on prophylactic irradiation to the whole neck and to the upper neck for patients with neck lymph node-negative nasopharyngeal carcinoma. <i>Head and Neck</i> , 2014, 36, 687-693.	2.0	19
56	Comparison of 3D anatomical dose verification and 2D phantom dose verification of IMRT/VMAT treatments for nasopharyngeal carcinoma. <i>Radiation Oncology</i> , 2014, 9, 71.	2.7	11
57	Results of a Phase 2 Study Examining the Effects of Omitting Elective Neck Irradiation to Nodal Levels IV and Vb in Patients With NO-1 Nasopharyngeal Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 929-934.	0.8	44
58	A comparative dosimetric study for treating left-sided breast cancer for small breast size using five different radiotherapy techniques: conventional tangential field, filed-in-filed, Tangential-IMRT, Multi-beam IMRT and VMAT. <i>Radiation Oncology</i> , 2013, 8, 89.	2.7	109
59	Assessment of Respiration-Induced Motion and Its Impact on Treatment Outcome for Lung Cancer. <i>BioMed Research International</i> , 2013, 2013, 1-10.	1.9	16
60	Effectiveness of Stereotactic Body Radiotherapy for Hepatocellular Carcinoma with Portal Vein and/or Inferior Vena Cava Tumor Thrombosis. <i>PLoS ONE</i> , 2013, 8, e63864.	2.5	125
61	A real-time <i>in vivo</i> dosimetric verification method for high-dose rate intracavitary brachytherapy of nasopharyngeal carcinoma. <i>Medical Physics</i> , 2012, 39, 6757-6763.	3.0	29
62	Four-dimensional CT-based evaluation of volumetric modulated arc therapy for abdominal lymph node metastasis from hepatocellular carcinoma. <i>Journal of Radiation Research</i> , 2012, 53, 769-776.	1.6	4
63	Long-term Outcomes and Prognostic Factors of Re-irradiation for Locally Recurrent Nasopharyngeal Carcinoma using Intensity-modulated Radiotherapy. <i>Clinical Oncology</i> , 2012, 24, 569-576.	1.4	126
64	Investigation on the impact to beam characteristics of a linear accelerator related to duty cycle of respiratory gating. <i>Radiation Measurements</i> , 2011, 46, 1996-1999.	1.4	1
65	Local control, survival, and late toxicities of locally advanced nasopharyngeal carcinoma treated by simultaneous modulated accelerated radiotherapy combined with cisplatin concurrent chemotherapy. <i>Cancer</i> , 2011, 117, 1874-1883.	4.1	240
66	Real-Time In Vivo Dosimetry With MOSFET Detectors in Serial Tomotherapy for Head and Neck Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1581-1588.	0.8	25
67	Dosimetric Analysis of Respiratory-Gated Radiotherapy for Hepatocellular Carcinoma. <i>Medical Dosimetry</i> , 2011, 36, 213-218.	0.9	8
68	Independent verification of monitor unit calculation for radiation treatment planning system. <i>Chinese Journal of Cancer</i> , 2010, 29, 217-222.	4.9	5
69	The angular dependence of a 2-dimensional diode array and the feasibility of its application in verifying the composite dose distribution of intensity-modulated radiation therapy. <i>Chinese Journal of Cancer</i> , 2010, 29, 617-620.	4.9	19
70	<i>In vivo</i> verification of superficial dose for head and neck treatments using intensity-modulated techniques. <i>Medical Physics</i> , 2009, 36, 59-70.	3.0	50
71	Automatic Contour Generation of 4D CT by Deformable Registration. , 2008, , .		1
72	Quality assurance of helical tomotherapy intensity modulated radiation therapy. , 2008, , 447-450.		0

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73	Defining internal target volume (ITV) for hepatocellular carcinoma using four-dimensional CT. <i>Radiotherapy and Oncology</i> , 2007, 84, 272-278.	0.6	68
74	Verification of the plan dosimetry for high dose rate brachytherapy using metalâ€œoxideâ€œsemiconductor field effect transistor detectors. <i>Medical Physics</i> , 2007, 34, 2007-2013.	3.0	59
75	Analysis of Routine QA Testing for Conventional Simulators. , 2007, , 2037-2039.		0
76	Neoadjuvant Chemotherapy Followed by Late-Course Accelerated Hyperfractionated Radiation Therapy for Locally Advanced Nonâ€œSmall-Cell Lung Cancer: Long-Term Results of a Phase I/II Clinical Trial. <i>Clinical Lung Cancer</i> , 2005, 6, 304-309.	2.6	5
77	Dosimetric Evaluation of Three Dimensional Conformal and Conventional Treatment Plans of Early Untreated Carcinoma of Nasopharynx. <i>Chinese-German Journal of Clinical Oncology</i> , 2005, 4, 271-275.	0.1	3
78	Initial experience using intensity-modulated radiotherapy for recurrent nasopharyngeal carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 682-687.	0.8	134
79	Radiation Therapy Concurrent With Weekly Paclitaxel for Locoregionally Advanced Nasopharyngeal Carcinoma. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2004, 27, 481-484.	1.3	5