Xiao-Wu Deng

List of Publications by Year
in descending order

79 papers	2,695 citations	236925 25 h-index	197818 49 g-index
87 all docs	87 docs citations	87 times ranked	2762 citing authors

#	Article	IF	Citations
1	Long-term outcomes of intensity-modulated radiotherapy for 868 patients with nasopharyngeal carcinoma: An analysis of survival and treatment toxicities. Radiotherapy and Oncology, 2014, 110, 398-403.	0.6	451
2	Local control, survival, and late toxicities of locally advanced nasopharyngeal carcinoma treated by simultaneous modulated accelerated radiotherapy combined with cisplatin concurrent chemotherapy. Cancer, 2011, 117, 1874-1883.	4.1	240
3	Initial experience using intensity-modulated radiotherapy for recurrent nasopharyngeal carcinoma. International Journal of Radiation Oncology Biology Physics, 2004, 58, 682-687.	0.8	134
4	Long-term Outcomes and Prognostic Factors of Re-irradiation for Locally Recurrent Nasopharyngeal Carcinoma using Intensity-modulated Radiotherapy. Clinical Oncology, 2012, 24, 569-576.	1.4	126
5	Effectiveness of Stereotactic Body Radiotherapy for Hepatocellular Carcinoma with Portal Vein and/or Inferior Vena Cava Tumor Thrombosis. PLoS ONE, 2013, 8, e63864.	2.5	125
6	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. Radiation Oncology, 2013, 8, 89.	2.7	109
7	Analysis of late toxicity in nasopharyngeal carcinoma patients treated with intensity modulated radiation therapy. Radiation Oncology, 2015, 10, 17.	2.7	75
8	Distant metastasis risk and patterns of nasopharyngeal carcinoma in the era of IMRT: long-term results and benefits of chemotherapy. Oncotarget, 2015, 6, 24511-24521.	1.8	72
9	Multiâ€sequence MR imageâ€based synthetic CT generation using a generative adversarial network for head and neck MRIâ€only radiotherapy. Medical Physics, 2020, 47, 1880-1894.	3.0	71
10	Defining internal target volume (ITV) for hepatocellular carcinoma using four-dimensional CT. Radiotherapy and Oncology, 2007, 84, 272-278.	0.6	68
11	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. Journal of Cancer Research and Clinical Oncology, 2017, 143, 1263-1273.	2.5	62
12	Retrospective Analysis of 234 Nasopharyngeal Carcinoma Patients with Distant Metastasis at Initial Diagnosis: Therapeutic Approaches and Prognostic Factors. PLoS ONE, 2014, 9, e108070.	2.5	60
13	Verification of the plan dosimetry for high dose rate brachytherapy using metalâ€“oxideâ€“semiconductor field effect transistor detectors. Medical Physics, 2007, 34, 2007-2013.	3.0	59
14	In vivo verification of superficial dose for head and neck treatments using intensityâ€modulated techniques. Medical Physics, 2009, 36, 59-70.	3.0	50
15	Effect of total dose and fraction size on survival of patients with locally recurrent nasopharyngeal carcinoma treated with intensityâ€modulated radiotherapy: A phase 2, singleâ€center, randomized controlled trial. Cancer, 2014, 120, 3502-3509.	4.1	50
16	Magnetic resonance-based synthetic computed tomography images generated using generative adversarial networks for nasopharyngeal carcinoma radiotherapy treatment planning. Radiotherapy and Oncology, 2020, 150, 217-224.	0.6	49
17	Results of a Phase 2 Study Examining the Effects of Omitting Elective Neck Irradiation to Nodal Levels IV and Vb in Patients With N0-1 Nasopharyngeal Carcinoma. International Journal of Radiation Oncology Biology Physics, 2013, 85, 929-934.	0.8	44
18	Normal Tissue Complication Probability Model for Radiation-induced Temporal Lobe Injury after Intensity-modulated Radiation Therapy for Nasopharyngeal Carcinoma. Radiology, 2015, 276, 243-249.	7.3	44

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19	Longâ€term outcome and pattern of failure for patients with nasopharyngeal carcinoma treated with intensityâ€modulated radiotherapy. Head and Neck, 2019, 41, 1246-1252.	2.0	43
20	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. International Journal of Radiation Oncology Biology Physics, 2019, 104, 836-844.	0.8	33
21	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. Oral Oncology, 2018, 82, 1-7.	1.5	31
22	Phase II trial of recombinant human endostatin in combination with concurrent chemoradiotherapy in patients with stage III non-small-cell lung cancer. Radiotherapy and Oncology, 2015, 114, 161-166.	0.6	30
23	A realâ€time in vivo dosimetric verification method for highâ€dose rate intracavitary brachytherapy of nasopharyngeal carcinoma. Medical Physics, 2012, 39, 6757-6763.	3.0	29
24	Sensorineural Hearing Loss after Combined Intensity Modulated Radiation Therapy and Cisplatin-Based Chemotherapy for Nasopharyngeal Carcinoma. Translational Oncology, 2015, 8, 456-462.	3.7	27
25	Early Prediction of Acute Xerostomia During Radiation Therapy for Head and Neck Cancer Based on Texture Analysis of Daily CT. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1308-1318.	0.8	26
26	Real-Time In Vivo Dosimetry With MOSFET Detectors in Serial Tomotherapy for Head and Neck Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1581-1588.	0.8	25
27	Risk factors and prediction-score model for distant metastasis in nasopharyngeal carcinoma treated with intensity-modulated radiotherapy. Tumor Biology, 2015, 36, 8349-8357.	1.8	25
28	Positron emission tomographyâ€“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. Oral Oncology, 2015, 51, 363-369.	1.5	24
29	A Prospective 10-Year Observational Study of Reduction of Radiation Therapy Clinical Target Volume and Dose in Early-Stage Nasopharyngeal Carcinoma. International Journal of Radiation Oncology Biology Physics, 2020, 107, 672-682.	0.8	22
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. Radiation Oncology, 2018, 13, 130.	2.7	21
31	Intensity-modulated radiotherapy for stage IVA/IVB nasopharyngeal carcinoma. Strahlentherapie Und Onkologie, 2014, 190, 993-1000.	2.0	20
32	Comparative study on prophylactic irradiation to the whole neck and to the upper neck for patients with neck lymph node-negative nasopharyngeal carcinoma. Head and Neck, 2014, 36, 687-693.	2.0	19
33	Temporal lobe injury patterns following intensity modulated radiotherapy in a large cohort of nasopharyngeal carcinoma patients. Oral Oncology, 2018, 85, 8-14.	1.5	19
34	Prognostic Nomogram for Patients with Nasopharyngeal Carcinoma after Intensity-Modulated Radiotherapy. PLoS ONE, 2015, 10, e0134491.	2.5	19
35	Prognostic score models for survival of nasopharyngeal carcinoma patients treated with intensity-modulated radiotherapy and chemotherapy. Oncotarget, 2015, 6, 39373-39383.	1.8	19
36	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. Chinese Journal of Cancer, 2010, 29, 617-620.	4.9	19

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37	Radioprotective effect of Xâ€ray abdominal FLASH irradiation: Adaptation to oxidative damage and inflammatory response may be benefiting factors. Medical Physics, 2022, 49, 4812-4822.	3.0	18
38	Assessment of Respiration-Induced Motion and Its Impact on Treatment Outcome for Lung Cancer. BioMed Research International, 2013, 2013, 1-10.	1.9	16
39	Adjuvant capecitabine in locoregionally advanced nasopharyngeal carcinoma: A multicenter randomized controlled phase III trial.. Journal of Clinical Oncology, 2021, 39, 6005-6005.	1.6	16
40	Fast 3D dosimetric verifications based on an electronic portal imaging device using a GPU calculation engine. Radiation Oncology, 2015, 10, 85.	2.7	15
41	Modeling of cellular response after FLASH irradiation: a quantitative analysis based on the radiolytic oxygen depletion hypothesis. Physics in Medicine and Biology, 2021, 66, 185009.	3.0	13
42	Comparison of 3D and 2D gamma passing rate criteria for detection sensitivity to <scp>IMRT</scp> delivery errors. Journal of Applied Clinical Medical Physics, 2018, 19, 230-238.	1.9	12
43	Brain-Specific Relative Biological Effectiveness of Protons Based on Long-term Outcome of Patients With Nasopharyngeal Carcinoma. International Journal of Radiation Oncology Biology Physics, 2021, 110, 984-992.	0.8	12
44	Investigation of a pulsed current annealing method in reusing MOSFET dosimeters for in vivo IMRT dosimetry. Medical Physics, 2014, 41, 051710.	3.0	11
45	Comparison of 3D anatomical dose verification and 2D phantom dose verification of IMRT/VMAT treatments for nasopharyngeal carcinoma. Radiation Oncology, 2014, 9, 71.	2.7	11
46	Prospective matched study on comparison of volumetric-modulated arc therapy and intensity-modulated radiotherapy for nasopharyngeal carcinoma: dosimetry, delivery efficiency and outcomes. Journal of Cancer, 2018, 9, 978-986.	2.5	11
47	Gantry angle-dependent correction of dose detection error due to panel position displacement in IMRT dose verification using EPIDs. Physica Medica, 2014, 30, 209-214.	0.7	10
48	Advantage of PET/CT in Target Delineation of MRI-negative Cervical Lymph Nodes In Intensity-Modulated Radiation Therapy Planning for Nasopharyngeal Carcinoma. Journal of Cancer, 2017, 8, 4117-4123.	2.5	10
49	Clinical evaluation for the difference of absorbed doses calculated to medium and calculated to water by Monte Carlo method. Radiation Oncology, 2018, 13, 137.	2.7	10
50	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. Cancer Research and Treatment, 2022, 54, 118-129.	3.0	10
51	Assessment of female breast dose for thoracic cone-beam CT using MOSFET dosimeters. Oncotarget, 2017, 8, 20179-20186.	1.8	9
52	Dosimetric Analysis of Respiratory-Gated Radiotherapy for Hepatocellular Carcinoma. Medical Dosimetry, 2011, 36, 213-218.	0.9	8
53	Efficacy and safety of primary surgery with postoperative radiotherapy in head and neck mucosal melanoma: a single-arm Phase II study. Cancer Management and Research, 2018, Volume 10, 6985-6996.	1.9	8
54	Evaluating the Therapeutic Dose Distribution of Intensity-Modulated Radiation Therapy for Head and Neck with Cone-Beam Computed Tomography Image: A Methodological Study. BioMed Research International, 2014, 2014, 1-8.	1.9	7

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55	Retrospective dosimetry study of intensity-modulated radiation therapy for nasopharyngeal carcinoma: measurement-guided dose reconstruction and analysis. Radiation Oncology, 2018, 13, 42.	2.7	7
56	Comparison of treatment plan quality of VMAT for esophageal carcinoma with: flattening filter beam versus flattening filter free beam. Journal of Cancer, 2018, 9, 3263-3268.	2.5	7
57	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. Oral Oncology, 2019, 89, 40-47.	1.5	7
58	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. Radiotherapy and Oncology, 2022, 175, 1-9.	0.6	7
59	Dosimetric Effects of Head and Neck Immobilization Devices on Multi-field Intensity Modulated Radiation Therapy for Nasopharyngeal Carcinoma. Journal of Cancer, 2018, 9, 2443-2450.	2.5	6
60	Low-Cost iPhone-Assisted Processing to Obtain Radiotherapy Bolus Using Optical Surface Reconstruction and 3D-Printing. Scientific Reports, 2020, 10, 8016.	3.3	6
61	Radiation Therapy Concurrent With Weekly Paclitaxel for Locoregionally Advanced Nasopharyngeal Carcinoma. American Journal of Clinical Oncology: Cancer Clinical Trials, 2004, 27, 481-484.	1.3	5
62	Neoadjuvant Chemotherapy Followed by Late-Course Accelerated Hyperfractionated Radiation Therapy for Locally Advanced Nonâ€“Small-Cell Lung Cancer: Long-Term Results of a Phase I/II Clinical Trial. Clinical Lung Cancer, 2005, 6, 304-309.	2.6	5
63	Development of a DNA damage model that accommodates different cellular oxygen concentrations and radiation qualities. Medical Physics, 2021, 48, 5511-5521.	3.0	5
64	Independent verification of monitor unit calculation for radiation treatment planning system. Chinese Journal of Cancer, 2010, 29, 217-222.	4.9	5
65	Four-dimensional CT-based evaluation of volumetric modulated arc therapy for abdominal lymph node metastasis from hepatocellular carcinoma. Journal of Radiation Research, 2012, 53, 769-776.	1.6	4
66	Multivariate NTCP Model of Hypothyroidism After Intensity-Modulated Radiotherapy for Nasopharyngeal Carcinoma. Frontiers in Oncology, 2021, 11, 714536.	2.8	4
67	Dosimetric Evaluation of Three Dimensional Conformal and Conventional Treatment Plans of Early Untreated Carcinoma of Nasopharynx. Chinese-German Journal of Clinical Oncology, 2005, 4, 271-275.	0.1	3
68	Comparison of Different Combinations of Irradiation Mode and Jaw Width in Helical Tomotherapy for Nasopharyngeal Carcinoma. Frontiers in Oncology, 2020, 10, 598.	2.8	3
69	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. Practical Radiation Oncology, 2020, 10, e339-e347.	2.1	2
70	Development of a Comorbidity-Based Nomogram to Predict Survival After Salvage Reirradiation of Locally Recurrent Nasopharyngeal Carcinoma in the Intensity-Modulated Radiotherapy Era. Frontiers in Oncology, 2020, 10, 625184.	2.8	2
71	Automatic Contour Generation of 4D CT by Deformable Registration. , 2008, , .		1
72	Investigation on the impact to beam characteristics of a linear accelerator related to duty cycle of respiratory gating. Radiation Measurements, 2011, 46, 1996-1999.	1.4	1

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73	Comparison of Absolute Dose Achievable Between Helical Tomotherapy and RapidArc in Total Dura Mater Irradiation for Child Cancer. Technology in Cancer Research and Treatment, 2022, 21, 153303382110726.	1.9	1
74	The development and implementation of MOSAIQ Integration Platform (MIP) based on the radiotherapy workflow. , 2017, , .		0
75	Neutron dose distribution in the treatment room for an accelerator in the flattening filterâ€free mode. Precision Radiation Oncology, 2017, 1, 13-19.	1.1	0
76	AFOMP policy number 6: code of ethics for medical physicists in AFOMP Countries. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 809-810.	1.3	0
77	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. Frontiers in Oncology, 2021, 11, 702400.	2.8	0
78	Analysis of Routine QA Testing for Conventional Simulators. , 2007, , 2037-2039.		0
79	Quality assurance of helical tomotherapy intensity modulated radiation therapy. , 2008, , 447-450.		0