

Yevgeniy Vinogradskiy

List of Publications by Year in descending order

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papers

921
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citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac metabolic changes on ¹⁸ F-positron emission tomography after thoracic radiotherapy predict for overall survival in esophageal cancer patients. <i>Journal of Applied Clinical Medical Physics</i> , 2023, 24, e13552.	1.9	3
2	Results of a Multi-Institutional Phase 2 Clinical Trial for 4DCT-Ventilation Functional Avoidance Thoracic Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 986-995.	0.8	19
3	Clinical Evaluation of an Auto-Segmentation Tool for Spine SBRT Treatment. <i>Frontiers in Oncology</i> , 2022, 12, 842579.	2.8	2
4	Quality and Safety Considerations in Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy: An ASTRO Safety White Paper Update. <i>Practical Radiation Oncology</i> , 2022, 12, e253-e268.	2.1	12
5	Head and Neck Tumor Control Probability: Radiation Dose-Volume Effects in Stereotactic Body Radiation Therapy for Locally Recurrent Previously-Irradiated Head and Neck Cancer: Report of the AAPM Working Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 137-146.	0.8	37
6	Radiation Dose-Volume Effects for Liver SBRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 196-205.	0.8	67
7	Quantifying pulmonary perfusion from noncontrast computed tomography. <i>Medical Physics</i> , 2021, 48, 1804-1814.	3.0	10
8	Initial Data Pooling for Radiation Dose-Volume Tolerance for Carotid Artery Blowout and Other Bleeding Events in Hypofractionated Head and Neck Retreatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 147-159.	0.8	12
9	Functional avoidance-based intensity modulated proton therapy with 4DCT derived ventilation imaging for lung cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 276-285.	1.9	1
10	Characterizing spatial differences between SPECT-ventilation and SPECT-perfusion in patients with lung cancer undergoing radiotherapy. <i>Radiotherapy and Oncology</i> , 2021, 160, 120-124.	0.6	5
11	Advances in Image-Guided Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 625-628.	0.8	3
12	Technical Note: On the spatial correlation between robust CT-ventilation methods and SPECT ventilation. <i>Medical Physics</i> , 2020, 47, 5731-5738.	3.0	5
13	Evaluating Positron Emission Tomography-Based Functional Imaging Changes in the Heart After Chemo-Radiation for Patients With Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 1063-1070.	0.8	12
14	Technical Note: Deep Learning approach for automatic detection and identification of patient positioning devices for radiation therapy. <i>Medical Physics</i> , 2020, 47, 5061-5069.	3.0	0
15	Robust HU-based CT ventilation from an integrated mass conservation formulation. <i>Medical Physics</i> , 2019, 46, 5036-5046.	3.0	9
16	Imaging of regional ventilation: Is CT ventilation imaging the answer? A systematic review of the validation data. <i>Radiotherapy and Oncology</i> , 2019, 137, 175-185.	0.6	20
17	CT-based ventilation imaging in radiation oncology. <i>BJR Open</i> , 2019, 1, 20180035.	0.6	15
18	Objective assessment of the effects of tumor motion in radiation therapy. <i>Medical Physics</i> , 2019, 46, 3311-3323.	3.0	3

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19	Quantifying Allowable Motion to Achieve Safe Dose Escalation in Pancreatic SBRT. Practical Radiation Oncology, 2019, 9, e432-e442.	2.1	6
20	Robust CT ventilation from the integral formulation of the Jacobian. Medical Physics, 2019, 46, 2115-2125.	3.0	22
21	Technical Note: Deriving ventilation imaging from 4DCT by deep convolutional neural network. Medical Physics, 2019, 46, 2323-2329.	3.0	23
22	The Clinical and Dosimetric Impact of Real-Time Target Tracking in Pancreatic SBRT. International Journal of Radiation Oncology Biology Physics, 2019, 103, 268-275.	0.8	24
23	Characterizing Spatial Lung Function for Esophageal Cancer Patients Undergoing Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 103, 738-746.	0.8	9
24	Functional-guided radiotherapy using knowledge-based planning. Radiotherapy and Oncology, 2018, 129, 494-498.	0.6	24
25	Implementation and operation of incident learning across a newly created health system. Journal of Applied Clinical Medical Physics, 2018, 19, 298-305.	1.9	5
26	Interim Analysis of a Two-Institution, Prospective Clinical Trial of 4DCT-Ventilation-based Functional Avoidance Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1357-1365.	0.8	30
27	Using 4DCT-ventilation to characterize lung function changes for pediatric patients getting thoracic radiotherapy. Journal of Applied Clinical Medical Physics, 2018, 19, 407-412.	1.9	3
28	Assessing the use of 4DCT-ventilation in preoperative surgical lung cancer evaluation. Medical Physics, 2017, 44, 200-208.	3.0	12
29	Hypofractionated re-irradiation to the brainstem in children with recurrent brain tumors. Pediatric Blood and Cancer, 2017, 64, e26341.	1.5	6
30	Evaluating Which Dose-Function Metrics Are Most Critical for Functional-Guided Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 99, 202-209.	0.8	45
31	Evaluating the Toxicity Reduction With Computed Tomographic Ventilation Functional Avoidance Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 99, 325-333.	0.8	52
32	A complete 4DCT-ventilation functional avoidance virtual trial: Developing strategies for prospective clinical trials. Journal of Applied Clinical Medical Physics, 2017, 18, 144-152.	1.9	27
33	The numerical stability of transformation-based CT ventilation. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 569-580.	2.8	29
34	Regional Lung Function Profiles of Stage I and III Lung Cancer Patients: An Evaluation for Functional Avoidance Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1273-1280.	0.8	39
35	Should we customize PTV expansions for BMI? Daily cone beam computerized tomography to assess organ motion in postoperative endometrial and cervical cancer patients. Reports of Practical Oncology and Radiotherapy, 2016, 21, 195-200.	0.6	3
36	Lung deformations and radiation-induced regional lung collapse in patients treated with stereotactic body radiation therapy. Medical Physics, 2015, 42, 6477-6487.	3.0	4

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37	Clinical Validation of 4-Dimensional Computed Tomography Ventilation With Pulmonary Function Test Data. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 423-429.	0.8	59
38	Comparison of 4-Dimensional Computed Tomography Ventilation With Nuclear Medicine Ventilation-Perfusion Imaging: A Clinical Validation Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 199-205.	0.8	50
39	Incorporating Single-nucleotide Polymorphisms Into the Lyman Model to Improve Prediction of Radiation Pneumonitis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 251-257.	0.8	59
40	Use of 4-Dimensional Computed Tomography-Based Ventilation Imaging to Correlate Lung Dose and Function With Clinical Outcomes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 366-371.	0.8	102
41	Balancing Radiation Pneumonitis Versus Locoregional Tumor Control in Non-Small-Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2013, 8, e47-e48.	1.1	1
42	Prescribing Radiation Dose to Lung Cancer Patients Based on Personalized Toxicity Estimates. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1676-1682.	1.1	24
43	Investigation of the Relationship Between Gross Tumor Volume Location and Pneumonitis Rates Using a Large Clinical Database of Non-Small-Cell Lung Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1650-1658.	0.8	17
44	A Novel Method to Incorporate the Spatial Location of the Lung Dose Distribution into Predictive Radiation Pneumonitis Modeling. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1549-1555.	0.8	11