

# Yevgeniy Vinogradskiy

## List of Publications by Year in descending order

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471509  
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docs citations

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times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of 4-Dimensional Computed Tomography-Based Ventilation Imaging to Correlate Lung Dose and Function With Clinical Outcomes. International Journal of Radiation Oncology Biology Physics, 2013, 86, 366-371.	0.8	102
2	Radiation Doseâ€Volume Effects for Liver SBRT. International Journal of Radiation Oncology Biology Physics, 2021, 110, 196-205.	0.8	67
3	Incorporating Single-nucleotide Polymorphisms Into the Lyman Model to Improve Prediction of Radiation Pneumonitis. International Journal of Radiation Oncology Biology Physics, 2013, 85, 251-257.	0.8	59
4	Clinical Validation of 4-Dimensional Computed Tomography Ventilation With Pulmonary Function Test Data. International Journal of Radiation Oncology Biology Physics, 2015, 92, 423-429.	0.8	59
5	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
6	Comparison of 4-Dimensional Computed Tomography Ventilation With Nuclear Medicine Ventilation-Perfusion Imaging: A Clinical Validation Study. International Journal of Radiation Oncology Biology Physics, 2014, 89, 199-205.	0.8	50
7	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
8	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
9	Head and Neck Tumor Control Probability: Radiation Doseâ€Volume Effects in Stereotactic Body Radiation Therapy for Locally Recurrent Previously-Irradiated Head and Neck Cancer: Report of the AAPM Working Group. International Journal of Radiation Oncology Biology Physics, 2021, 110, 137-146.	0.8	37
10	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
11	The numerical stability of transformation-based CT ventilation. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 569-580.	2.8	29
12	A complete 4<sc>DCT</sc>-ventilation functional avoidance virtual trial: Developing strategies for prospective clinical trials. Journal of Applied Clinical Medical Physics, 2017, 18, 144-152.	1.9	27
13	Prescribing Radiation Dose to Lung Cancer Patients Based on Personalized Toxicity Estimates. Journal of Thoracic Oncology, 2012, 7, 1676-1682.	1.1	24
14	Functional-guided radiotherapy using knowledge-based planning. Radiotherapy and Oncology, 2018, 129, 494-498.	0.6	24
15	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
16	Technical Note: Deriving ventilation imaging from 4DCT by deep convolutional neural network. Medical Physics, 2019, 46, 2323-2329.	3.0	23
17	Robust CT ventilation from the integral formulation of the Jacobian. Medical Physics, 2019, 46, 2115-2125.	3.0	22
18	Imaging of regional ventilation: Is CT ventilation imaging the answer? A systematic review of the validation data. Radiotherapy and Oncology, 2019, 137, 175-185.	0.6	20

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19	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
20	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
21	CT-based ventilation imaging in radiation oncology. <i>BJR   Open</i> , 2019, 1, 20180035.	0.6	15
22	Assessing the use of 4DCT-ventilation in preoperative surgical lung cancer evaluation. <i>Medical Physics</i> , 2017, 44, 200-208.	3.0	12
23	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
24	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
25	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
26	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
27	Quantifying pulmonary perfusion from noncontrast computed tomography. <i>Medical Physics</i> , 2021, 48, 1804-1814.	3.0	10
28	Robust HU-based CT ventilation from an integrated mass conservation formulation. <i>Medical Physics</i> , 2019, 46, 5036-5046.	3.0	9
29	Characterizing Spatial Lung Function for Esophageal Cancer Patients Undergoing Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 738-746.	0.8	9
30	Hypofractionated re-irradiation to the brainstem in children with recurrent brain tumors. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26341.	1.5	6
31	Quantifying Allowable Motion to Achieve Safe Dose Escalation in Pancreatic SBRT. <i>Practical Radiation Oncology</i> , 2019, 9, e432-e442.	2.1	6
32	Implementation and operation of incident learning across a newly created health system. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 298-305.	1.9	5
33	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
34	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
35	Lung deformations and radiation-induced regional lung collapse in patients treated with stereotactic body radiation therapy. <i>Medical Physics</i> , 2015, 42, 6477-6487.	3.0	4
36	Should we customize PTV expansions for BMI? Daily cone beam computerized tomography to assess organ motion in postoperative endometrial and cervical cancer patients. <i>Reports of Practical Oncology and Radiotherapy</i> , 2016, 21, 195-200.	0.6	3

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37	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
38	Objective assessment of the effects of tumor motion in radiation therapy. Medical Physics, 2019, 46, 3311-3323.	3.0	3
39	Advances in Image-Guided Adaptive Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 625-628.	0.8	3
40	Cardiac metabolic changes on <sup>18</sup> F-positron emission tomography after thoracic radiotherapy predict for overall survival in esophageal cancer patients. Journal of Applied Clinical Medical Physics, 2023, 24, e13552.	1.9	3
41	Clinical Evaluation of an Auto-Segmentation Tool for Spine SBRT Treatment. Frontiers in Oncology, 2022, 12, 842579.	2.8	2
42	Balancing Radiation Pneumonitis Versus Locoregional Tumor Control in Non-Small-Cell Lung Cancer. Journal of Thoracic Oncology, 2013, 8, e47-e48.	1.1	1
43	Functional avoidance-based intensity modulated proton therapy with 4DCT derived ventilation imaging for lung cancer. Journal of Applied Clinical Medical Physics, 2021, 22, 276-285.	1.9	1
44	Technical Note: Deep Learning approach for automatic detection and identification of patient positioning devices for radiation therapy. Medical Physics, 2020, 47, 5061-5069.	3.0	0