

# Olivier Morin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6817060/publications.pdf>

Version: 2024-02-01

35  
papers

3,327  
citations

430874

18  
h-index

454955

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

4152  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	7.3	1,869
2	Machine and deep learning methods for radiomics. <i>Medical Physics</i> , 2020, 47, e185-e202.	3.0	232
3	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. <i>Medical Physics</i> , 2018, 45, 3449-3459.	3.0	214
4	Megavoltage cone-beam CT: System description and clinical applications. <i>Medical Dosimetry</i> , 2006, 31, 51-61.	0.9	181
5	A Deep Look Into the Future of Quantitative Imaging in Oncology: A Statement of Working Principles and Proposal for Change. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1074-1082.	0.8	86
6	Deep nets vs expert designed features in medical physics: An IMRT QA case study. <i>Medical Physics</i> , 2018, 45, 2672-2680.	3.0	85
7	Patient dose considerations for routine megavoltage cone-beam CT imaging. <i>Medical Physics</i> , 2007, 34, 1819-1827.	3.0	80
8	Dose calculation using megavoltage cone-beam CT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 1201-1210.	0.8	72
9	Integrated models incorporating radiologic and radiomic features predict meningioma grade, local failure, and overall survival. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz011.	0.7	64
10	Histopathological features predictive of local control of atypical meningioma after surgery and adjuvant radiotherapy. <i>Journal of Neurosurgery</i> , 2018, 130, 1-8.	1.6	54
11	DoseGAN: a generative adversarial network for synthetic dose prediction using attention-gated discrimination and generation. <i>Scientific Reports</i> , 2020, 10, 11073.	3.3	50
12	Automated detection and segmentation of non-small cell lung cancer computed tomography images. <i>Nature Communications</i> , 2022, 13, .	12.8	44
13	An artificial intelligence framework integrating longitudinal electronic health records with real-world data enables continuous pan-cancer prognostication. <i>Nature Cancer</i> , 2021, 2, 709-722.	13.2	41
14	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 438-449.	4.6	38
15	Attention-Aware Discrimination for MR-to-CT Image Translation Using Cycle-Consistent Generative Adversarial Networks. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190027.	5.8	35
16	Preoperative and postoperative prediction of long-term meningioma outcomes. <i>PLoS ONE</i> , 2018, 13, e0204161.	2.5	31
17	Assessment of image quality and dose calculation accuracy on kV CBCT, MV CBCT, and MV CT images for urgent palliative radiotherapy treatments. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 279-290.	1.9	25
18	Physical performance and image optimization of megavoltage cone-beam CT. <i>Medical Physics</i> , 2009, 36, 1421-1432.	3.0	23

#	ARTICLE	IF	CITATIONS
19	The Future of Artificial Intelligence in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2018, 102, 247-248.	0.8	13
20	Association of mental health diagnosis with race and all-cause mortality after a cancer diagnosis: Large-scale analysis of electronic health record data. Cancer, 2022, 128, 344-352.	4.1	11
21	Identifying Voxels at Risk for Progression in Glioblastoma Based on Dosimetry, Physiologic and Metabolic MRI. Radiation Research, 2017, 188, 303.	1.5	10
22	Clinical Applications of Quantitative 3-Dimensional MRI Analysis for Pediatric Embryonal Brain Tumors. International Journal of Radiation Oncology Biology Physics, 2018, 102, 744-756.	0.8	10
23	Prospective Clinical Validation of Virtual Patient-Specific Quality Assurance of Volumetric Modulated Arc Therapy Radiation Therapy Plans. International Journal of Radiation Oncology Biology Physics, 2022, 113, 1091-1102.	0.8	10
24	Feasibility of MV CBCT-based treatment planning for urgent radiation therapy: dosimetric accuracy of MV CBCT-based dose calculations. Journal of Applied Clinical Medical Physics, 2015, 16, 458-471.	1.9	9
25	An Open-Source Tool for Anisotropic Radiation Therapy Planning in Neuro-oncology Using DW-MRI Tractography. Frontiers in Oncology, 2019, 9, 810.	2.8	7
26	Characterization of the effect of a new commercial transmission detector on radiation therapy beams. Practical Radiation Oncology, 2017, 7, e559-e567.	2.1	6
27	Optimizing beam models for dosimetric accuracy over a wide range of treatments. Physica Medica, 2019, 58, 47-53.	0.7	6
28	Commissioning and Evaluation of an Electronic Portal Imaging Device-Based In-Vivo Dosimetry Software. Cureus, 2018, 10, e2139.	0.5	5
29	Artificial Intelligence-Guided Prediction of Dental Doses Before Planning of Radiation Therapy for Oropharyngeal Cancer: Technical Development and Initial Feasibility of Implementation. Advances in Radiation Oncology, 2022, 7, 100886.	1.2	5
30	Predicting Adverse Radiation Effects in Brain Tumors After Stereotactic Radiotherapy With Deep Learning and Handcrafted Radiomics. Frontiers in Oncology, 0, 12, .	2.8	3
31	Multiple myeloma and a mischievous pacemaker: A teaching case involving irradiation of a cardiovascular implantable electronic device. Practical Radiation Oncology, 2018, 8, 90-94.	2.1	0
32	LPTO-05. FACTORS INFLUENCING RISK OF LEPTOMENINGEAL METASTASIS IN BREAST CANCER PATIENTS RECEIVING STEREOTACTIC RADIOSURGERY FOR LIMITED BRAIN METASTASES. Neuro-Oncology Advances, 2019, 1, i7-i7.	0.7	0
33	CMET-35. COMPETING RISKS ANALYSIS OF FACTORS INFLUENCING DEVELOPMENT OF LEPTOMENINGEAL METASTASIS IN BREAST CANCER PATIENTS RECEIVING STEREOTACTIC RADIOSURGERY FOR LIMITED BRAIN METASTASES. Neuro-Oncology, 2019, 21, vi59-vi59.	1.2	0
34	HOUT-07. ASSOCIATION BETWEEN BASELINE BODY MASS INDEX (BMI) AND OUTCOMES FOR PATIENTS WITH GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi113-vi113.	1.2	0
35	Feasibility and Significance of Dose Adaptation via Linear Couch Translations to Correct for Rotational Shifts During Frameless Brain Radiosurgery with the Gamma Knife Iconâ„¢. Acta Neurochirurgica Supplementum, 2021, 128, 145-150.	1.0	0