Olivier Morin

List of Publications by Year
in descending order

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	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
2	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
3	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
4	Automated detection and segmentation of non-small cell lung cancer computed tomography images. Nature Communications, 2022, 13, .	12.8	44
5	Feasibility and Significance of Dose Adaptation via Linear Couch Translations to Correct for Rotational Shifts During Frameless Brain Radiosurgery with the Gamma Knife Icon™. Acta Neurochirurgica Supplementum, 2021, 128, 145-150.	1.0	0
6	An artificial intelligence framework integrating longitudinal electronic health records with real-world data enables continuous pan-cancer prognostication. Nature Cancer, 2021, 2, 709-722.	13.2	41
7	Attention-Aware Discrimination for MR-to-CT Image Translation Using Cycle-Consistent Generative Adversarial Networks. Radiology: Artificial Intelligence, 2020, 2, e190027.	5.8	35
8	Machine and deep learning methods for radiomics. Medical Physics, 2020, 47, e185-e202.	3.0	232
9	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	7.3	1,869
10	DoseGAN: a generative adversarial network for synthetic dose prediction using attention-gated discrimination and generation. Scientific Reports, 2020, 10, 11073.	3.3	50
11	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
12	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
13	Integrated models incorporating radiologic and radiomic features predict meningioma grade, local failure, and overall survival. Neuro-Oncology Advances, 2019, 1, vdz011.	0.7	64
14	Optimizing beam models for dosimetric accuracy over a wide range of treatments. Physica Medica, 2019, 58, 47-53.	0.7	6
15	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. Seminars in Nuclear Medicine, 2019, 49, 438-449.	4.6	38
16	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
17	HOUT-07. ASSOCIATION BETWEEN BASELINE BODY MASS INDEX (BMI) AND OUTCOMES FOR PATIENTS WITH GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi113-vi113.	1.2	0
18	Deep nets vs expert designed features in medical physics: An IMRT QA case study. Medical Physics, 2018, 45, 2672-2680.	3.0	85

#	Article	IF	Citations
19	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
20	Commissioning and Evaluation of an Electronic Portal Imaging Device-Based In-Vivo Dosimetry Software. Cureus, 2018, 10, e2139.	0.5	5
21	Preoperative and postoperative prediction of long-term meningioma outcomes. PLoS ONE, 2018, 13, e0204161.	2.5	31
22	A Deep Look Into the Future of Quantitative Imaging in Oncology: A Statement of Working Principles and Proposal for Change. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1074-1082.	0.8	86
23	The Future of Artificial Intelligence in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2018, 102, 247-248.	0.8	13
24	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. Medical Physics, 2018, 45, 3449-3459.	3.0	214
25	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
26	Histopathological features predictive of local control of atypical meningioma after surgery and adjuvant radiotherapy. Journal of Neurosurgery, 2018, 130, 1-8.	1.6	54
27	Identifying Voxels at Risk for Progression in Glioblastoma Based on Dosimetry, Physiologic and Metabolic MRI. Radiation Research, 2017, 188, 303.	1.5	10
28	Characterization of the effect of a new commercial transmission detector on radiation therapy beams. Practical Radiation Oncology, 2017, 7, e559-e567.	2.1	6
29	Assessment of image quality and dose calculation accuracy on kV CBCT, MV CBCT, and MV CT images for urgent palliative radiotherapy treatments. Journal of Applied Clinical Medical Physics, 2016, 17, 279-290.	1.9	25
30	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
31	Physical performance and image optimization of megavoltage cone‐beam CT. Medical Physics, 2009, 36, 1421-1432.	3.0	23
32	Patient dose considerations for routine megavoltage cone-beam CT imaging. Medical Physics, 2007, 34, 1819-1827.	3.0	80
33	Dose calculation using megavoltage cone-beam CT. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1201-1210.	0.8	72
34	Megavoltage cone-beam CT: System description and clinical applications. Medical Dosimetry, 2006, 31, 51-61.	0.9	181
35	Predicting Adverse Radiation Effects in Brain Tumors After Stereotactic Radiotherapy With Deep Learning and Handcrafted Radiomics. Frontiers in Oncology, 0, 12, .	2.8	3