Matthew J Nyflot

List of Publications by Year
in descending order

41	1,042	448610 19	488211 31
papers	citations	h-index	g-index

41	41	41	1470
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nearest Neighbor-Based Strategy to Optimize Multi-View Triplet Network for Classification of Small-Sample Medical Imaging Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 586-600.	7.2	8
2	Regularizing the Deepsurv Network Using Projection Loss for Medical Risk Assessment. IEEE Access, 2022, 10, 8005-8020.	2.6	5
3	Fury Road: Medical Physics Education Using Film. Physics Teacher, 2021, 59, 177-180.	0.2	1
4	Prognostic Assessment in High-Grade Soft-Tissue Sarcoma Patients: A Comparison of Semantic Image Analysis and Radiomics. Cancers, 2021, 13, 1929.	1.7	25
5	Socio-economic factors do not affect overall survival in soft tissue sarcoma when patients treated at a single high-volume center. BMC Cancer, 2021, 21, 620.	1.1	3
6	Development and External Validation of Deep-Learning-Based Tumor Grading Models in Soft-Tissue Sarcoma Patients Using MR Imaging. Cancers, 2021, 13, 2866.	1.7	24
7	MRI-based delta-radiomics predicts pathologic complete response in high-grade soft-tissue sarcoma patients treated with neoadjuvant therapy. Radiotherapy and Oncology, 2021, 164, 73-82.	0.3	35
8	The Dancing Cord: Inherent Spinal Cord Motion and Its Effect on Cord Dose in Spine Stereotactic Body Radiation Therapy. Neurosurgery, 2020, 87, 1157-1166.	0.6	14
9	Tumor grading of soft tissue sarcomas using MRI-based radiomics. EBioMedicine, 2019, 48, 332-340.	2.7	73
10	Durable Improvement in Patient Safety Culture Over 5ÂYears With Use of High-volume Incident Learning System. Practical Radiation Oncology, 2019, 9, e407-e416.	1.1	7
11	MRI Radiomic Features Are Independently Associated With Overall Survival in Soft Tissue Sarcoma. Advances in Radiation Oncology, 2019, 4, 413-421.	0.6	48
12	CT-based radiomic features predict tumor grading and have prognostic value in patients with soft tissue sarcomas treated with neoadjuvant radiation therapy. Radiotherapy and Oncology, 2019, 135, 187-196.	0.3	57
13	Deep learning for patientâ€specific quality assurance: Identifying errors in radiotherapy delivery by radiomic analysis of gamma images with convolutional neural networks. Medical Physics, 2019, 46, 456-464.	1.6	96
14	Toward consensus reporting of radiation-induced liver toxicity in the treatment of primary liver malignancies: Defining clinically relevant endpoints. Practical Radiation Oncology, 2018, 8, 157-166.	1.1	22
15	Radiation oncology resident training in patient safety and quality improvement: a national survey of residency program directors. Radiation Oncology, 2018, 13, 186.	1.2	11
16	Regional Radiation Dose-Response Modeling of Functional Liver in Hepatocellular Carcinoma Patients With Longitudinal Sulfur Colloid SPECT/CT: A Proof of Concept. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1349-1356.	0.4	18
17	Functional Liver Imaging and Dosimetry to Predict Hepatotoxicity Risk in Cirrhotic Patients With Primary Liver Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1339-1348.	0.4	14
18	Utilizing simulated errors in radiotherapy plans to quantify the effectiveness of the physics plan review. Medical Physics, 2018, 45, 5359-5365.	1.6	7

#	Article	IF	Citations
19	Error Detection in Intensity-Modulated Radiation Therapy Quality Assurance Using Radiomic Analysis of Gamma Distributions. International Journal of Radiation Oncology Biology Physics, 2018, 102, 219-228.	0.4	49
20	A survey of residentsâ€™ experience with patient safety and quality improvement concepts in radiation oncology. Practical Radiation Oncology, 2017, 7, e253-e259.	1.1	11
21	Are we making an impact with incident learning systems? Analysis of quality improvement interventions using total body irradiation as a model system. Practical Radiation Oncology, 2017, 7, 418-424.	1.1	8
22	The relationship between cardiac radiation dose and mediastinal lymph node involvement in stage III non-small cell lung cancer patients. Advances in Radiation Oncology, 2017, 2, 192-196.	0.6	12
23	Evaluation of near-miss and adverse events in radiation oncology using a comprehensive causal factor taxonomy. Practical Radiation Oncology, 2017, 7, 346-353.	1.1	24
24	Assessment of functional liver reserve. Nuclear Medicine Communications, 2017, 38, 577-586.	0.5	18
25	A patient safety education program in a medical physics residency. Journal of Applied Clinical Medical Physics, 2017, 18, 268-274.	0.8	9
26	Electron beam energy QA â€" a note on measurement tolerances. Journal of Applied Clinical Medical Physics, 2016, 17, 249-257.	0.8	1
27	Targeting safety improvements through identification of incident origination and detection in a near-miss incident learning system. Medical Physics, 2016, 43, 2053-2062.	1.6	22
28	The effectiveness of pretreatment physics plan review for detecting errors in radiation therapy. Medical Physics, 2016, 43, 5181-5187.	1.6	40
29	Contribution of submandibular gland and swallowing structure sparing to post-radiation therapy PEG dependence in oropharynx cancer patients treated with split-neck IMRT technique. Radiation Oncology, 2016, 11, 151.	1.2	12
30	Measuring total liver function on sulfur colloid SPECT/CT for improved risk stratification and outcome prediction of hepatocellular carcinoma patients. EJNMMI Research, 2016, 6, 57.	1.1	25
31	Interrater reliability of a near-miss risk index for incident learning systems in radiation oncology. Practical Radiation Oncology, 2016, 6, 429-435.	1.1	6
32	Best practices for safety improvement through high-volume institutional incident learning: lessons learned from 2Âyears. Journal of Radiation Oncology, 2016, 5, 323-333.	0.7	3
33	Impact of CT attenuation correction method on quantitative respiratoryâ€correlated (4D) PET/CT imaging. Medical Physics, 2015, 42, 110-120.	1.6	17
34	Phase 1 Trial of Bevacizumab With Concurrent Chemoradiation Therapy for Squamous Cell Carcinoma of the Head and Neck With Exploratory Functional Imaging of Tumor Hypoxia, Proliferation, and Perfusion. International Journal of Radiation Oncology Biology Physics, 2015, 91, 942-951.	0.4	44
35	Can emergent treatments result in more severe errors?: An analysis of a large institutional near-miss incident reporting database. Practical Radiation Oncology, 2015, 5, 319-324.	1.1	9
36	Differential hepatic avoidance radiation therapy: Proof of concept in hepatocellular carcinoma patients. Radiotherapy and Oncology, 2015, 115, 203-210.	0.3	26

#	Article	IF	Citations
37	Quantitative radiomics: impact of stochastic effects on textural feature analysis implies the need for standards. Journal of Medical Imaging, 2015, 2, 041002.	0.8	110
38	Metrics of success: Measuring impact of a departmental near-miss incident learning system. Practical Radiation Oncology, 2015, 5, e409-e416.	1.1	40
39	Measurable improvement in patient safety culture: A departmental experience with incident learning. Practical Radiation Oncology, 2015, 5, e229-e237.	1.1	42
40	Functional imaging of radiation liver injury in a liver metastasis patient: imaging and pathologic correlation. Journal of Gastrointestinal Oncology, 2015, 6, E44-7.	0.6	9
41	Correlation of PET images of metabolism, proliferation and hypoxia to characterize tumor phenotype in patients with cancer of the oropharynx. Radiotherapy and Oncology, 2012, 105, 36-40.	0.3	37