

Abdallah S R Mohamed

List of Publications by Year in descending order

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287
papers

4,878
citations

117453

34
h-index

138251

58
g-index

319
all docs

319
docs citations

319
times ranked

6792
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Body Composition With Survival and Locoregional Control of Radiotherapy-Treated Head and Neck Squamous Cell Carcinoma. <i>JAMA Oncology</i> , 2016, 2, 782.	3.4	185
2	Intensity-modulated proton beam therapy (IMPT) versus intensity-modulated photon therapy (IMRT) for patients with oropharynx cancer – A case matched analysis. <i>Radiotherapy and Oncology</i> , 2016, 120, 48-55.	0.3	177
3	Spatial Precision in Magnetic Resonance Imaging – Guided Radiation Therapy: The Role of Geometric Distortion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1304-1316.	0.4	119
4	Deep Learning Algorithm for Auto-Delineation of High-Risk Oropharyngeal Clinical Target Volumes With Built-In Dice Similarity Coefficient Parameter Optimization Function. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 468-478.	0.4	118
5	Radiomics in head and neck cancer: from exploration to application. <i>Translational Cancer Research</i> , 2016, 5, 371-382.	0.4	106
6	Long-term outcomes after surgical or nonsurgical initial therapy for patients with T4 squamous cell carcinoma of the larynx: A decade survey. <i>Cancer</i> , 2015, 121, 1608-1619.	2.0	100
7	Prospective randomized double-blind study of atlas-based organ-at-risk autosegmentation-assisted radiation planning in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2014, 112, 321-325.	0.3	96
8	Investigation of radiomic signatures for local recurrence using primary tumor texture analysis in oropharyngeal head and neck cancer patients. <i>Scientific Reports</i> , 2018, 8, 1524.	1.6	95
9	Clinical Outcomes and Patterns of Disease Recurrence After Intensity Modulated Proton Therapy for Oropharyngeal Squamous Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 360-367.	0.4	88
10	Final Report of a Prospective Randomized Trial to Evaluate the Dose-Response Relationship for Postoperative Radiation Therapy and Pathologic Risk Groups in Patients With Head and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1002-1011.	0.4	86
11	Beyond mean pharyngeal constrictor dose for beam path toxicity in non-target swallowing muscles: Dose-volume correlates of chronic radiation-associated dysphagia (RAD) after oropharyngeal intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 118, 304-314.	0.3	85
12	Exploring Applications of Radiomics in Magnetic Resonance Imaging of Head and Neck Cancer: A Systematic Review. <i>Frontiers in Oncology</i> , 2018, 8, 131.	1.3	81
13	Toward a model-based patient selection strategy for proton therapy: External validation of photon-derived normal tissue complication probability models in a head and neck proton therapy cohort. <i>Radiotherapy and Oncology</i> , 2016, 121, 381-386.	0.3	78
14	Intensity-modulated proton therapy and osteoradionecrosis in oropharyngeal cancer. <i>Radiotherapy and Oncology</i> , 2017, 123, 401-405.	0.3	73
15	Dose-volume correlates of mandibular osteoradionecrosis in Oropharynx cancer patients receiving intensity-modulated radiotherapy: Results from a case-matched comparison. <i>Radiotherapy and Oncology</i> , 2017, 124, 232-239.	0.3	69
16	Magnetic Resonance Imaging of Glucose Uptake and Metabolism in Patients with Head and Neck Cancer. <i>Scientific Reports</i> , 2016, 6, 30618.	1.6	62
17	A PET Radiomics Model to Predict Refractory Mediastinal Hodgkin Lymphoma. <i>Scientific Reports</i> , 2019, 9, 1322.	1.6	62
18	Quality Assurance Assessment of Diagnostic and Radiation Therapy – Simulation CT Image Registration for Head and Neck Radiation Therapy: Anatomic Region of Interest – based Comparison of Rigid and Deformable Algorithms. <i>Radiology</i> , 2015, 274, 752-763.	3.6	58

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19	Matched computed tomography segmentation and demographic data for oropharyngeal cancer radiomics challenges. <i>Scientific Data</i> , 2017, 4, 170077.	2.4	57
20	Late radiation-associated dysphagia (late-RAD) with lower cranial neuropathy after oropharyngeal radiotherapy: A preliminary dosimetric comparison. <i>Oral Oncology</i> , 2014, 50, 746-752.	0.8	56
21	Radiation therapy dose is associated with improved survival for unresected anaplastic thyroid carcinoma: Outcomes from the National Cancer Data Base. <i>Cancer</i> , 2017, 123, 1653-1661.	2.0	55
22	Beam path toxicity in candidate organs-at-risk: Assessment of radiation emetogenesis for patients receiving head and neck intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2014, 111, 281-288.	0.3	54
23	Prospective Qualitative and Quantitative Analysis of Real-Time Peer Review Quality Assurance Rounds Incorporating Direct Physical Examination for Head and Neck Cancer Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 532-540.	0.4	54
24	Initial Feasibility and Clinical Implementation of Daily MR-Guided Adaptive Head and Neck Cancer Radiation Therapy on a 1.5T MR-Linac System: Prospective R-IDEAL 2a/2b Systematic Clinical Evaluation of Technical Innovation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1606-1618.	0.4	52
25	Intravoxel incoherent motion imaging kinetics during chemoradiotherapy for human papillomavirus-associated squamous cell carcinoma of the oropharynx: preliminary results from a prospective pilot study. <i>NMR in Biomedicine</i> , 2015, 28, 1645-1654.	1.6	51
26	Auto-delineation of oropharyngeal clinical target volumes using 3D convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2018, 63, 215026.	1.6	51
27	Dysphagia After Primary Transoral Robotic Surgery With Neck Dissection vs Nonsurgical Therapy in Patients With Low- to Intermediate-Risk Oropharyngeal Cancer. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2019, 145, 1053.	1.2	51
28	Imaging and clinical data archive for head and neck squamous cell carcinoma patients treated with radiotherapy. <i>Scientific Data</i> , 2018, 5, 180173.	2.4	51
29	Diffusion-Weighted Magnetic Resonance Imaging as a Predictor of Outcome in Cervical Cancer After Chemoradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 546-553.	0.4	48
30	Barriers to Combined-Modality Therapy for Limited-Stage Small Cell Lung Cancer. <i>JAMA Oncology</i> , 2018, 4, e174504.	3.4	46
31	Imaging-Genomic Study of Head and Neck Squamous Cell Carcinoma: Associations Between Radiomic Phenotypes and Genomic Mechanisms via Integration of The Cancer Genome Atlas and The Cancer Imaging Archive. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	43
32	The role of elective nodal irradiation for esthesioneuroblastoma patients with clinically negative neck. <i>Practical Radiation Oncology</i> , 2016, 6, 241-247.	1.1	41
33	Magnetic Resonance-based Response Assessment and Dose Adaptation in Human Papilloma Virus Positive Tumors of the Oropharynx treated with Radiotherapy (MR-ADAPTOR): An R-IDEAL stage 2a-2b/Bayesian phase II trial. <i>Clinical and Translational Radiation Oncology</i> , 2018, 13, 19-23.	0.9	41
34	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. <i>Frontiers in Oncology</i> , 2018, 8, 294.	1.3	37
35	Methodology for analysis and reporting patterns of failure in the Era of IMRT: head and neck cancer applications. <i>Radiation Oncology</i> , 2016, 11, 95.	1.2	34
36	Long-term outcomes after multidisciplinary management of T3 laryngeal squamous cell carcinomas: Improved functional outcomes and survival with modern therapeutic approaches. <i>Head and Neck</i> , 2016, 38, 1739-1751.	0.9	33

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37	Dynamic contrast-enhanced MRI detects acute radiotherapy-induced alterations in mandibular microvasculature: prospective assessment of imaging biomarkers of normal tissue injury. <i>Scientific Reports</i> , 2016, 6, 29864.	1.6	33
38	Patterns-of-failure guided biological target volume definition for head and neck cancer patients: FDG-PET and dosimetric analysis of dose escalation candidate subregions. <i>Radiotherapy and Oncology</i> , 2017, 124, 248-255.	0.3	32
39	Prospective observer and software-based assessment of magnetic resonance imaging quality in head and neck cancer: Should standard positioning and immobilization be required for radiation therapy applications?. <i>Practical Radiation Oncology</i> , 2015, 5, e299-e308.	1.1	31
40	Design and fabrication of a 3D-printed oral stent for head and neck radiotherapy from routine diagnostic imaging. <i>3D Printing in Medicine</i> , 2017, 3, 12.	1.7	31
41	Risk of second primary malignancies in head and neck cancer patients treated with definitive radiotherapy. <i>Npj Precision Oncology</i> , 2019, 3, 22.	2.3	31
42	Tobacco exposure as a major modifier of oncologic outcomes in human papillomavirus (HPV) associated oropharyngeal squamous cell carcinoma. <i>BMC Cancer</i> , 2020, 20, 912.	1.1	31
43	Forecasting Individual Patient Response to Radiation Therapy in Head and Neck Cancer With a Dynamic Carrying Capacity Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 693-704.	0.4	31
44	Monovalent Rotavirus Vaccine Effectiveness and Impact on Rotavirus Hospitalizations in Zanzibar, Tanzania: Data From the First 3 Years After Introduction. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw524.	1.9	30
45	Quantitative body mass characterization before and after head and neck cancer radiotherapy: A challenge of height-weight formulae using computed tomography measurement. <i>Oral Oncology</i> , 2016, 61, 62-69.	0.8	29
46	A Multi-Institutional Comparison of Dynamic Contrast-Enhanced Magnetic Resonance Imaging Parameter Calculations. <i>Scientific Reports</i> , 2017, 7, 11185.	1.6	29
47	PleThora: Pleural effusion and thoracic cavity segmentations in diseased lungs for benchmarking chest CT processing pipelines. <i>Medical Physics</i> , 2020, 47, 5941-5952.	1.6	29
48	Head and neck cancer patient images for determining auto-segmentation accuracy in T2-weighted magnetic resonance imaging through expert manual segmentations. <i>Medical Physics</i> , 2020, 47, 2317-2322.	1.6	29
49	Conditional Survival Analysis of Patients With Locally Advanced Laryngeal Cancer: Construction of a Dynamic Risk Model and Clinical Nomogram. <i>Scientific Reports</i> , 2017, 7, 43928.	1.6	28
50	Radiotherapy dose-volume parameters predict videofluoroscopy-detected dysphagia per DIGEST after IMRT for oropharyngeal cancer: Results of a prospective registry. <i>Radiotherapy and Oncology</i> , 2018, 128, 442-451.	0.3	28
51	Usefulness of surveillance imaging in patients with head and neck cancer who are treated with definitive radiotherapy. <i>Cancer</i> , 2019, 125, 1823-1829.	2.0	28
52	Outcomes of oral cavity cancer patients treated with surgery followed by postoperative intensity modulated radiation therapy. <i>Oral Oncology</i> , 2017, 72, 90-97.	0.8	28
53	Evaluation of deep learning-based multiparametric MRI oropharyngeal primary tumor auto-segmentation and investigation of input channel effects: Results from a prospective imaging registry. <i>Clinical and Translational Radiation Oncology</i> , 2022, 32, 6-14.	0.9	28
54	Prospective in silico study of the feasibility and dosimetric advantages of MRI-guided dose adaptation for human papillomavirus positive oropharyngeal cancer patients compared with standard IMRT. <i>Clinical and Translational Radiation Oncology</i> , 2018, 11, 11-18.	0.9	27

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55	Symptom burden and dysphagia associated with osteoradionecrosis in long-term oropharynx cancer survivors: A cohort analysis. <i>Oral Oncology</i> , 2017, 66, 75-80.	0.8	26
56	Precision Risk Analysis of Cancer Therapy with Interactive Nomograms and Survival Plots. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 1732-1745.	2.9	26
57	Long-term patient reported outcomes following radiation therapy for oropharyngeal cancer: cross-sectional assessment of a prospective symptom survey in patients ≥65 years old. <i>Radiation Oncology</i> , 2017, 12, 150.	1.2	25
58	Outcomes of carotid-sparing IMRT for T1 glottic cancer: Comparison with conventional radiation. <i>Laryngoscope</i> , 2020, 130, 146-153.	1.1	25
59	Chronic radiation-associated dysphagia in oropharyngeal cancer survivors: Towards age-adjusted dose constraints for deglutitive muscles. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 16-22.	0.9	24
60	Prospective quantitative quality assurance and deformation estimation of MRI-CT image registration in simulation of head and neck radiotherapy patients. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 120-127.	0.9	24
61	Clustering of Largely Right-Censored Oropharyngeal Head and Neck Cancer Patients for Discriminative Groupings to Improve Outcome Prediction. <i>Scientific Reports</i> , 2020, 10, 3811.	1.6	23
62	Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. <i>Clinical and Translational Radiation Oncology</i> , 2020, 21, 11-18.	0.9	22
63	Favorable patient reported outcomes following IMRT for early carcinomas of the tonsillar fossa: Results from a symptom assessment study. <i>Radiotherapy and Oncology</i> , 2015, 117, 132-138.	0.3	21
64	Magnetic resonance imaging of swallowing-related structures in nasopharyngeal carcinoma patients receiving IMRT: Longitudinal dose-response characterization of quantitative signal kinetics. <i>Radiotherapy and Oncology</i> , 2016, 118, 315-322.	0.3	21
65	Single-item discrimination of quality-of-life-altering dysphagia among 714 long-term oropharyngeal cancer survivors: Comparison of patient-reported outcome measures of swallowing. <i>Cancer</i> , 2019, 125, 1654-1664.	2.0	21
66	Age-adjusted comorbidity and survival in locally advanced laryngeal cancer. <i>Head and Neck</i> , 2018, 40, 2060-2069.	0.9	20
67	Differences between planned and delivered dose for head and neck cancer, and their consequences for normal tissue complication probability and treatment adaptation. <i>Radiotherapy and Oncology</i> , 2020, 142, 100-106.	0.3	20
68	Precision toxicity correlates of tumor spatial proximity to organs at risk in cancer patients receiving intensity-modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 148, 245-251.	0.3	20
69	Patient reported dry mouth: Instrument comparison and model performance for correlation with quality of life in head and neck cancer survivors. <i>Radiotherapy and Oncology</i> , 2018, 126, 75-80.	0.3	19
70	Radiographic retropharyngeal lymph node involvement in HPV-associated oropharyngeal carcinoma: Patterns of involvement and impact on patient outcomes. <i>Cancer</i> , 2019, 125, 1536-1546.	2.0	19
71	Normal Tissue Complication Probability (NTCP) Prediction Model for Osteoradionecrosis of the Mandible in Patients With Head and Neck Cancer After Radiation Therapy: Large-Scale Observational Cohort. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 549-558.	0.4	19
72	Quantitative pretreatment CT volumetry: Association with oncologic outcomes in patients with T4a squamous carcinoma of the larynx. <i>Head and Neck</i> , 2017, 39, 1609-1620.	0.9	18

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73	Outcomes of patients diagnosed with carcinoma metastatic to the neck from an unknown primary source and treated with intensityâ€modulated radiation therapy. <i>Cancer</i> , 2018, 124, 1415-1427.	2.0	18
74	Evaluating the Effect of Right-Censored End Point Transformation for Radiomic Feature Selection of Data From Patients With Oropharyngeal Cancer. <i>JCO Clinical Cancer Informatics</i> , 2018, 2, 1-19.	1.0	18
75	Lymphopenia during radiotherapy in patients with oropharyngeal cancer. <i>Radiotherapy and Oncology</i> , 2020, 145, 95-100.	0.3	18
76	CD8 infiltration is associated with disease control and tobacco exposure in intermediate-risk oropharyngeal cancer. <i>Scientific Reports</i> , 2020, 10, 243.	1.6	18
77	Comprehensive Quantitative Evaluation of Variability in Magnetic Resonance-Guided Delineation of Oropharyngeal Gross Tumor Volumes and High-Risk Clinical Target Volumes: An R-IDEAL Stage 0 Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 426-436.	0.4	18
78	Prognostic value of pretherapy platelet elevation in oropharyngeal cancer patients treated with chemoradiation. <i>International Journal of Cancer</i> , 2016, 138, 1290-1297.	2.3	17
79	Longâ€term quality of life after definitive treatment of sinonasal and nasopharyngeal malignancies. <i>Laryngoscope</i> , 2020, 130, 86-93.	1.1	17
80	Mixed Effect Modeling of Dose and Linear Energy Transfer Correlations With Brain Image Changes After Intensity Modulated Proton Therapy for Skull Base Head and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 684-692.	0.4	17
81	A prospective in silico analysis of interdisciplinary and interobserver spatial variability in post-operative target delineation of high-risk oral cavity cancers: Does physician specialty matter?. <i>Clinical and Translational Radiation Oncology</i> , 2018, 12, 40-46.	0.9	16
82	Fatigue following radiation therapy in nasopharyngeal cancer survivors: A dosimetric analysis incorporating patient report and observer rating. <i>Radiotherapy and Oncology</i> , 2019, 133, 35-42.	0.3	16
83	Advances in Imaging for HPV-Related Oropharyngeal Cancer: Applications to Radiation Oncology. <i>Seminars in Radiation Oncology</i> , 2021, 31, 371-388.	1.0	16
84	Dynamics-Adapted Radiotherapy Dose (DARD) for Head and Neck Cancer Radiotherapy Dose Personalization. <i>Journal of Personalized Medicine</i> , 2021, 11, 1124.	1.1	16
85	Intensity standardization methods in magnetic resonance imaging of head and neck cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 88-93.	1.2	16
86	Association of Medicaid Insurance With Survival Among Patients With Small Cell Lung Cancer. <i>JAMA Network Open</i> , 2020, 3, e203277.	2.8	15
87	Head and Neck Cancer Primary Tumor Auto Segmentation Using Model Ensembling of Deep Learning in PET/CT Images. <i>Lecture Notes in Computer Science</i> , 2022, 13209, 121-133.	1.0	15
88	Predicting treatment Response based on Dual assessment of magnetic resonance Imaging kinetics and Circulating Tumor cells in patients with Head and Neck cancer (PREDICT-HN): matching â€liquid biopsyâ€™ and quantitative tumor modeling. <i>BMC Cancer</i> , 2018, 18, 903.	1.1	14
89	A prospective longitudinal assessment of MRI signal intensity kinetics of non-target muscles in patients with advanced stage oropharyngeal cancer in relationship to radiotherapy dose and post-treatment radiation-associated dysphagia: Preliminary findings from a randomized trial. <i>Radiotherapy and Oncology</i> , 2019, 130, 46-55.	0.3	14
90	Radiation-Induced Hypothyroidism After Radical Intensity Modulated Radiation Therapy for Oropharyngeal Carcinoma. <i>Advances in Radiation Oncology</i> , 2020, 5, 111-119.	0.6	14

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91	Accuracy of deformable image registration techniques for alignment of longitudinal cholangiocarcinoma CT images. <i>Medical Physics</i> , 2020, 47, 1670-1679.	1.6	14
92	Estimation of daily interfractional larynx residual setup error after isocentric alignment for head and neck radiotherapy: quality assurance implications for target volume and organs at risk margination using daily CT on rails imaging. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 159-169.	0.8	13
93	Prospective analysis of in vivo landmark point-based MRI geometric distortion in head and neck cancer patients scanned in immobilized radiation treatment position: Results of a prospective quality assurance protocol. <i>Clinical and Translational Radiation Oncology</i> , 2017, 7, 13-19.	0.9	13
94	Sea level changes and vertical land motion from altimetry and tide gauges in the Southern Levantine Basin. <i>Journal of Geodynamics</i> , 2019, 128, 1-10.	0.7	13
95	Quantitative Dynamic Contrast-Enhanced MRI Identifies Radiation-Induced Vascular Damage in Patients With Advanced Osteoradionecrosis: Results of a Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1319-1328.	0.4	13
96	Progression Free Survival Prediction for Head and Neck Cancer Using Deep Learning Based on Clinical and PET/CT Imaging Data. <i>Lecture Notes in Computer Science</i> , 2022, 13209, 287-299.	1.0	13
97	Outcomes after salvage for HPV-positive recurrent oropharyngeal cancer treated with primary radiation. <i>Oral Oncology</i> , 2021, 113, 105125.	0.8	12
98	Bioelectrical impedance analysis as a quantitative measure of sarcopenia in head and neck cancer patients treated with radiotherapy. <i>Radiotherapy and Oncology</i> , 2021, 159, 21-27.	0.3	12
99	Imaging for Response Assessment in Radiation Oncology. <i>Hematology/Oncology Clinics of North America</i> , 2020, 34, 293-306.	0.9	11
100	The impact of tongue-deviating and tongue-depressing oral stents on long-term radiation-associated symptoms in oropharyngeal cancer survivors. <i>Clinical and Translational Radiation Oncology</i> , 2020, 24, 71-78.	0.9	11
101	Dose-volume correlates of the prevalence of patient-reported trismus in long-term survivorship after oropharyngeal IMRT: A cross-sectional dosimetric analysis. <i>Radiotherapy and Oncology</i> , 2020, 149, 142-149.	0.3	11
102	Outcomes after radiation therapy for T2N0 stage glottic squamous cell carcinoma. <i>Head and Neck</i> , 2020, 42, 2791-2800.	0.9	11
103	A spatial neighborhood methodology for computing and analyzing lymph node carcinoma similarity in precision medicine. <i>Journal of Biomedical Informatics: X</i> , 2020, 112, 100067.	4.2	11
104	A Prostate Fossa Contouring Instructional Module: Implementation and Evaluation. <i>Journal of the American College of Radiology</i> , 2016, 13, 835-841.e1.	0.9	10
105	Dynamic contrast-enhanced magnetic resonance imaging for head and neck cancers. <i>Scientific Data</i> , 2018, 5, 180008.	2.4	10
106	Outcomes and patterns of radiation associated brain image changes after proton therapy for head and neck skull base cancers. <i>Radiotherapy and Oncology</i> , 2020, 151, 119-125.	0.3	10
107	Detection of Glioblastoma Subclinical Recurrence Using Serial Diffusion Tensor Imaging. <i>Cancers</i> , 2020, 12, 568.	1.7	10
108	Osteoradionecrosis in patients with salivary gland malignancies. <i>Oral Oncology</i> , 2016, 57, 1-5.	0.8	9

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109	Large Interobserver Variation in the International MR-LINAC Oropharyngeal Carcinoma Delineation Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, E639-E640.	0.4	9
110	Optimal Treatment Selection in Sequential Systemic and Locoregional Therapy of Oropharyngeal Squamous Carcinomas: Deep Q-Learning With a Patient-Physician Digital Twin Dyad. <i>Journal of Medical Internet Research</i> , 2022, 24, e29455.	2.1	9
111	Patterns of locoregional failure following post-operative intensity-modulated radiotherapy to oral cavity cancer: quantitative spatial and dosimetric analysis using a deformable image registration workflow. <i>Radiation Oncology</i> , 2017, 12, 129.	1.2	8
112	Volumetric assessment of apparent diffusion coefficient predicts outcome following chemoradiation for cervical cancer. <i>Radiation Therapy and Oncology</i> , 2019, 135, 58-64.	0.3	8
113	Surveillance imaging for patients with head and neck cancer treated with definitive radiotherapy: A partially observed Markov decision process model. <i>Cancer</i> , 2020, 126, 749-756.	2.0	8
114	A predictive model of radiation-related fibrosis based on the radiomic features of magnetic resonance imaging and computed tomography. <i>Translational Cancer Research</i> , 2020, 9, 4726-4738.	0.4	8
115	Patterns of Failure After Intensity Modulated Radiation Therapy in Head and Neck Squamous Cell Carcinoma of Unknown Primary: Implication of Elective Nodal and Mucosal Dose Coverage. <i>Advances in Radiation Oncology</i> , 2020, 5, 929-935.	0.6	8
116	Computed Tomography Radiomics Kinetics as Early Imaging Correlates of Osteoradionecrosis in Oropharyngeal Cancer Patients. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 618469.	2.0	8
117	CT-based volumetric tumor growth velocity: A novel imaging prognostic indicator in oropharyngeal cancer patients receiving radiotherapy. <i>Oral Oncology</i> , 2016, 63, 16-22.	0.8	7
118	Development of a rational strategy for integration of lactate dehydrogenase A suppression into therapeutic algorithms for head and neck cancer. <i>British Journal of Cancer</i> , 2021, 124, 1670-1679.	2.9	7
119	The impact of induction and/or concurrent chemoradiotherapy on acute and late patient-reported symptoms in oropharyngeal cancer: Application of a mixed-effects model analysis of a prospective observational cohort registry. <i>Cancer</i> , 2021, 127, 2453-2464.	2.0	7
120	Oropharyngeal cancer patient stratification using random forest based-learning over high-dimensional radiomic features. <i>Scientific Reports</i> , 2021, 11, 14057.	1.6	7
121	Precision association of lymphatic disease spread with radiation-associated toxicity in oropharyngeal squamous carcinomas. <i>Radiation Therapy and Oncology</i> , 2021, 161, 152-158.	0.3	7
122	Association between tumor architecture derived from generalized Q-space MRI and survival in glioblastoma. <i>Oncotarget</i> , 2017, 8, 41815-41826.	0.8	7
123	Combining Tumor Segmentation Masks with PET/CT Images and Clinical Data in a Deep Learning Framework for Improved Prognostic Prediction in Head and Neck Squamous Cell Carcinoma. <i>Lecture Notes in Computer Science</i> , 2022, 13209, 300-307.	1.0	7
124	Radiation Therapy is Independently Associated with Worse Survival After R0-Resection for Stage II Non-small Cell Lung Cancer: An Analysis of the National Cancer Data Base. <i>Annals of Surgical Oncology</i> , 2017, 24, 1419-1427.	0.7	6
125	Three-dimensional imaging assessment of anatomic invasion and volumetric considerations for chemo/radiotherapy-based laryngeal preservation in T3 larynx cancer. <i>Oral Oncology</i> , 2018, 79, 1-8.	0.8	6
126	Data from a terminated study on iron oxide nanoparticle magnetic resonance imaging for head and neck tumors. <i>Scientific Data</i> , 2020, 7, 63.	2.4	6

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127	18F-FDG positron emission tomography mining for metabolic imaging biomarkers of radiation-induced xerostomia in patients with oropharyngeal cancer. <i>Clinical and Translational Radiation Oncology</i> , 2021, 29, 93-101.	0.9	6
128	Cognitive function and patient-reported memory problems after radiotherapy for cancers at the skull base: A cross-sectional survivorship study using the Telephone Interview for Cognitive Status and the MD Anderson Symptom Inventory-Head and Neck Module. <i>Head and Neck</i> , 2017, 39, 2048-2056.	0.9	5
129	EP-2121: Serial Parotid Gland Radiomic-based Model Predicts Post-Radiation Xerostomia in Oropharyngeal Cancer. <i>Radiotherapy and Oncology</i> , 2018, 127, S1167-S1168.	0.3	5
130	Vacuum fused deposition modelling system to improve tensile strength of 3D printed parts. <i>Journal of Fundamental and Applied Sciences</i> , 2018, 9, 839.	0.2	5
131	Radiation Associated Brain Necrosis following Proton Therapy for Head and Neck Skull Base and Intracranial Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, S5-S6.	0.4	5
132	Big Data Statistical Learning Improves Survival Prediction For Head And Neck Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, e796-e797.	0.4	5
133	Prospective observational evaluation of radiation-induced late taste impairment kinetics in oropharyngeal cancer patients: Potential for improvement over time?. <i>Clinical and Translational Radiation Oncology</i> , 2020, 22, 98-105.	0.9	5
134	Predicting late symptoms of head and neck cancer treatment using LSTM and patient reported outcomes. , 2021, 2021, 273-279.		5
135	PleThora: Pleural effusion and thoracic cavity segmentations in diseased lungs for benchmarking chest CT processing pipelines. <i>Medical Physics</i> , 2020, 47, 5941.	1.6	5
136	Improved human observer performance in digital reconstructed radiograph verification in head and neck cancer radiotherapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1667-1673.	1.7	4
137	Proliferation Saturation Index Predicts Oropharyngeal Squamous Cell Cancer Gross Tumor Volume Reduction to Prospectively Identify Patients for Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 903.	0.4	4
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