Joel Castelli

List of Publications by Year
in descending order

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85	1,816	279701	302012
papers	citations	23 h-index	39 g-index

114	114	114	2432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Head and neck tumor segmentation in PET/CT: The HECKTOR challenge. Medical Image Analysis, 2022, 77, 102336.	7.0	114
2	Cleaning radiotherapy contours for radiomics studies, is it worth it? A head and neck cancer study. Clinical and Translational Radiation Oncology, 2022, 33, 153-158.	0.9	4
3	Cardiac radioablation for ventricular tachycardia: Which approach for incorporating cardiorespiratory motions into the planning target volume?. Physica Medica, 2022, 95, 16-24.	0.4	10
4	Overview of the HECKTOR Challenge at MICCAI 2020: Automatic Head and Neck Tumor Segmentation in PET/CT. Lecture Notes in Computer Science, 2021, , 1-21.	1.0	49
5	Impact of Neck Dissection in Head and Neck Squamous Cell Carcinomas of Unknown Primary. Cancers, 2021, 13, 2416.	1.7	1
6	Recommendations for postoperative radiotherapy in head & neck squamous cell carcinoma in the presence of flaps: A GORTEC internationally-reviewed HNCIG-endorsed consensus. Radiotherapy and Oncology, 2021, 160, 140-147.	0.3	7
7	Statistical harmonization can improve the development of a multicenter CTâ€based radiomic model predictive of nonresponse to induction chemotherapy in laryngeal cancers. Medical Physics, 2021, 48, 4099-4109.	1.6	15
8	Discontinuous stereotactic body radiotherapy schedule increases overall survival in early-stage non-small cell lung cancer. Lung Cancer, 2021, 157, 100-108.	0.9	5
9	PO-1263 Exclusive radiotherapy in early stage anal cancer - outcomes, patterns and predictors of relapse. Radiotherapy and Oncology, 2021, 161, S1042-S1043.	0.3	0
10	A priori quality assurance using a benchmark case of the randomized phase 2 GORTEC 2014-14 in oligometastatic head and neck cancer patients. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2021, 25, 755-762.	0.6	4
11	Fully Automatic Head and Neck Cancer Prognosis Prediction in PET/CT. Lecture Notes in Computer Science, 2021, , 59-68.	1.0	5
12	PET and MRI guided adaptive radiotherapy: Rational, feasibility and benefit. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2020, 24, 635-644.	0.6	7
13	The importance of feature aggregation in radiomics: a head and neck cancer study. Scientific Reports, 2020, 10, 19679.	1.6	14
14	Concurrent cisplatin and dose escalation with intensity-modulated radiotherapy (IMRT) versus conventional radiotherapy for locally advanced head and neck squamous cell carcinomas (HNSCC): GORTEC 2004-01 randomized phase III trial. Radiotherapy and Oncology, 2020, 150, 18-25.	0.3	14
15	ITV versus mid-ventilation for treatment planning in lung SBRT: a comparison of target coverage and PTV adequacy by using in-treatment 4D cone beam CT. Radiation Oncology, 2020, 15, 54.	1.2	13
16	Implementation of an optimization method for parotid gland sparing during inverse planning for head and neck cancer radiotherapy. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2020, 24, 28-37.	0.6	2
17	Performance comparison of modified ComBat for harmonization of radiomic features for multicenter studies. Scientific Reports, 2020, 10, 10248.	1.6	109
18	Comparison of CBCTâ€based dose calculation methods in head and neck cancer radiotherapy: from Hounsfield unit to density calibration curve to deep learning. Medical Physics, 2020, 47, 4683-4693.	1.6	43

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19	Evaluation of the Prognostic Value of FDG PET/CT Parameters for Patients With Surgically Treated Head and Neck Cancer. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 471.	1.2	33
20	Head-and-Neck MRI-only radiotherapy treatment planning: From acquisition in treatment position to pseudo-CT generation. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2020, 24, 288-297.	0.6	11
21	PO-1551: Deep CNN on PET/CT images for NSCLC automated tumor detection and outcome prediction. Radiotherapy and Oncology, 2020, 152, S839-S840.	0.3	3
22	PH-0278: Schedule of irradiation impacts the overall survival in case of SBRT for stage I NSCLC. Radiotherapy and Oncology, 2020, 152, S139.	0.3	0
23	PET-based prognostic survival model after radiotherapy for head and neck cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 638-649.	3.3	20
24	Salvage reirradiation for local prostate cancer recurrence after radiation therapy. For who? When? How?. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2019, 23, 541-558.	0.6	23
25	PO-0853 Bladder and urethra subregions predicting urinary toxicity after prostate cancer radiotherapy. Radiotherapy and Oncology, 2019, 133, S449.	0.3	0
26	EP-1521 IMRT for prostate cancer with seminal vesicle involvement : A multicentric retrospective analysis. Radiotherapy and Oncology, 2019, 133, S822.	0.3	0
27	PO-0965 How to find the best radiomics features for prediction of overall survival in SBRT for HCC?. Radiotherapy and Oncology, 2019, 133, S525.	0.3	0
28	Comparison of Deep Learning-Based and Patch-Based Methods for Pseudo-CT Generation in MRI-Based Prostate Dose Planning. International Journal of Radiation Oncology Biology Physics, 2019, 105, 1137-1150.	0.4	58
29	Intensity-modulated radiotherapy for prostate cancer with seminal vesicle involvement (T3b): A multicentric retrospective analysis. PLoS ONE, 2019, 14, e0210514.	1.1	13
30	Deformable image registration for radiation therapy: principle, methods, applications and evaluation. Acta OncolÃ³gica, 2019, 58, 1225-1237.	0.8	74
31	Unilateral or bilateral irradiation in cervical lymph node metastases of unknown primary? A retrospective cohort study. European Journal of Cancer, 2019, 111, 69-81.	1.3	11
32	Voxel-Based Analysis for Identification of Urethrovesical Subregions Predicting Urinary Toxicity After Prostate Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 104, 343-354.	0.4	37
33	Statistical Shape Model to Generate a Planning Library for Cervical Adaptive Radiotherapy. IEEE Transactions on Medical Imaging, 2019, 38, 406-416.	5.4	31
34	FDG PET in Diffuse Spinal Carcinomatous Meningitis. Clinical Nuclear Medicine, 2019, 44, e418-e419.	0.7	4
35	AÂdensity assignment method for dose monitoring in head-and-neck radiotherapy. Strahlentherapie Und Onkologie, 2019, 195, 175-185.	1.0	5
36	Voxel-based identification of local recurrence sub-regions from pre-treatment PET/CT for locally advanced head and neck cancers. EJNMMI Research, 2019, 9, 90.	1.1	21

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37	CBCTâ€guided evolutive library for cervical adaptive IMRT. Medical Physics, 2018, 45, 1379-1390.	1.6	23
38	(18 F)-FDG PET/CT parameters to predict survival and recurrence in patients with locally advanced cervical cancer treated with chemoradiotherapy. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2018, 22, 229-235.	0.6	21
39	Adaptive radiotherapy in head and neck cancer is required to avoid tumor underdose. Acta OncolÃ³gica, 2018, 57, 1267-1270.	0.8	12
40	Uni or bilateral Irradiation in Cervical Lymph Node Metastases of Unknown Primary?. International Journal of Radiation Oncology Biology Physics, 2018, 102, e367-e368.	0.4	0
41	Adaptive radiotherapy for head and neck cancer. Acta OncolÃ³gica, 2018, 57, 1284-1292.	0.8	81
42	PV-0428: Adaptive radiotherapy in head and neck cancer to correct tumor underdose and parotid gland overdose. Radiotherapy and Oncology, 2018, 127, S225-S226.	0.3	0
43	OC-0524: Planning Library Based on Population Shape Analysis for Cervical Adaptive Radiotherapy. Radiotherapy and Oncology, 2018, 127, S277.	0.3	0
44	PO-0889: Validation of transit EPID and application for Head & Neck adaptive radiotherapy. Radiotherapy and Oncology, 2018, 127, S471-S472.	0.3	0
45	PO-0962: CBCT dose calculation in head and neck adaptive radiotherapy: accuracy assessment of four methods. Radiotherapy and Oncology, 2018, 127, S528-S529.	0.3	0
46	EP-1172: Characterization of recurrence origin using pre-treatment PET/CT for head and neck cancers. Radiotherapy and Oncology, 2018, 127, S656-S657.	0.3	0
47	EP-1386: Impact of the stereotactic irradiation schedule for non-small-cell lung carcinoma stage I. Radiotherapy and Oncology, 2018, 127, S757.	0.3	0
48	Optimized radiotherapy to improve clinical outcomes for locally advanced lung cancer. Radiation Oncology, 2018, 13, 147.	1.2	12
49	Is Dose Deformationâ€“Invariance Hypothesis Verified in Prostate IGRT?. International Journal of Radiation Oncology Biology Physics, 2017, 97, 830-838.	0.4	3
50	A PET-based nomogram for oropharyngeal cancers. European Journal of Cancer, 2017, 75, 222-230.	1.3	21
51	The synergistic effect of radiotherapy and immunotherapy: A promising but not simple partnership. Critical Reviews in Oncology/Hematology, 2017, 111, 124-132.	2.0	93
52	CyberKnifeÂ® M6â„¢: Peripheral dose evaluation for brain treatments. Physica Medica, 2017, 37, 88-96.	0.4	6
53	Metabolic Tumor Volume and Total Lesion Glycolysis in Oropharyngeal Cancer Treated With Definitive Radiotherapy. Clinical Nuclear Medicine, 2017, 42, e281-e285.	0.7	12
54	EP-1490: A 3-class density method to monitor doses to the parotid glands and spinal cord in oropharynx IMRT. Radiotherapy and Oncology, 2017, 123, S798-S799.	0.3	0

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55	OC-0352: CBCT-guided evolutive library for cervix adaptive IMRT. Radiotherapy and Oncology, 2017, 123, S186-S187.	0.3	2
56	PO-0718: 18-FDG PET/CT parameters to predict survival and recurrence in cervical cancer. Radiotherapy and Oncology, 2017, 123, S376-S377.	0.3	0
57	QuantImage: An Online Tool for High-Throughput 3D Radiomics Feature Extraction in PET-CT. , 2017, , 349-377.		6
58	Nomogram to predict rectal toxicity following prostate cancer radiotherapy. PLoS ONE, 2017, 12, e0179845.	1.1	28
59	The benefit of using bladder sub-volume equivalent uniform dose constraints in prostate intensity-modulated radiotherapy planning. OncoTargets and Therapy, 2016, Volume 9, 7537-7544.	1.0	14
60	Optimal adaptive IMRT strategy to spare the parotid glands in oropharyngeal cancer. Radiotherapy and Oncology, 2016, 120, 41-47.	0.3	46
61	Prognostic and therapeutic factors of gliosarcoma from a multi-institutional series. Journal of Neuro-Oncology, 2016, 129, 85-92.	1.4	37
62	Pre- and per-treatment 18F-FDG PET/CT parameters to predict recurrence and survival in cervical cancer. Radiotherapy and Oncology, 2016, 120, 512-518.	0.3	38
63	EP-1642: Comparison between a conventional IMRT planning method and a new automated planning method.. Radiotherapy and Oncology, 2016, 119, S767.	0.3	0
64	PO-0911: Optimal adaptive radiotherapy strategy in head and neck to spare the parotid glands. Radiotherapy and Oncology, 2016, 119, S439-S440.	0.3	0
65	EP-1797: Pelvic lymph node PTV margins in prostate IMRT. Radiotherapy and Oncology, 2016, 119, S842.	0.3	0
66	PO-0661: Gliosarcoma: prognostic and therapeutics factors. Radiotherapy and Oncology, 2016, 119, S308-S309.	0.3	0
67	EP-1622: CyberknifeÂ® M6TM: peripheral dose evaluation in brain treatments. Radiotherapy and Oncology, 2016, 119, S755-S756.	0.3	0
68	Overview of the predictive value of quantitative 18 FDG PET in head and neck cancer treated with chemoradiotherapy. Critical Reviews in Oncology/Hematology, 2016, 108, 40-51.	2.0	52
69	A Nomogram to predict parotid gland overdose in head and neck IMRT. Radiation Oncology, 2016, 11, 79.	1.2	23
70	Roles of Deformable Image Registration in adaptive RT: From Contour propagation to dose monitoring. , 2015, 2015, 5215-8.		10
71	Simultaneously modulated accelerated radiation therapy reduces severe oesophageal toxicity in concomitant chemoradiotherapy of locally advanced non-small-cell lung cancer. British Journal of Radiology, 2015, 88, 20150311.	1.0	7
72	PO-0935: Evaluation of deformable image registration methods for dose monitoring in head and neck adaptive radiotherapy. Radiotherapy and Oncology, 2015, 115, S488-S489.	0.3	2

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73	1589 Workshops for caregivers of patients treated for brain tumors. European Journal of Cancer, 2015, 51, S234.	1.3	0
74	Evaluation of Deformable Image Registration Methods for Dose Monitoring in Head and Neck Radiotherapy. BioMed Research International, 2015, 2015, 1-16.	0.9	53
75	BioCAST/IFCT-1002: epidemiological and molecular features of lung cancer in never-smokers. European Respiratory Journal, 2015, 45, 1403-1414.	3.1	66
76	No impact of passive smoke on the somatic profile of lung cancers in never-smokers. European Respiratory Journal, 2015, 45, 1415-1425.	3.1	27
77	Impact of head and neck cancer adaptive radiotherapy to spare the parotid glands and decrease the risk of xerostomia. Radiation Oncology, 2015, 10, 6.	1.2	117
78	SUâ€Eâ€Pâ€42: Benefit of Equivalent Uniform Dose in Prostate IMRT Planning to Reduce Bladder Toxicity. Medical Physics, 2015, 42, 3236-3236.	1.6	0
79	The role of imaging in adaptive radiotherapy for head and neck cancer. Irbm, 2014, 35, 33-40.	3.7	6
80	Impact of Weekly Replanning to Spare the Parotid Glands in Head and Neck Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2014, 90, S871.	0.4	0
81	Salivary gland-sparing other than parotid-sparing in definitive head-and-neck intensity-modulated radiotherapy does not seem to jeopardize local control. Radiation Oncology, 2013, 8, 132.	1.2	34
82	Investigating the contribution of pre- and per-treatment 18F-FDG PET-CT segmentation methodologies for post-treatment tumor recurrence prediction in cervical cancer. Irbm, 2013, 34, 274-277.	3.7	3
83	Adaptative radiotherapy in head and neck cancers. Physica Medica, 2013, 29, e1.	0.4	2
84	Second conservative treatment for ipsilateral breast cancer recurrence using high-dose rate interstitial brachytherapy: Preliminary clinical results and evaluation of patient satisfaction. Brachytherapy, 2011, 10, 171-177.	0.2	42
85	CYBERKNIFE STEREOTACTIC RADIOTHERAPY FOR SPINAL TUMORS. Neurosurgery, 2009, 64, A60-A66.	0.6	39