

Eliana M Vasquez Osorio

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

859
citations

623188

14
h-index

476904

29
g-index

54
all docs

54
docs citations

54
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation dose to heart base linked with poorer survival in lung cancer patients. <i>European Journal of Cancer</i> , 2017, 85, 106-113.	1.3	136
2	Local Anatomic Changes in Parotid and Submandibular Glands During Radiotherapy for Oropharynx Cancer and Correlation With Dose, Studied in Detail With Nonrigid Registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 875-882.	0.4	118
3	Deformation of Prostate and Seminal Vesicles Relative to Intraprostatic Fiducial Markers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1604-1611.e3.	0.4	87
4	A symmetric nonrigid registration method to handle large organ deformations in cervical cancer patients. <i>Medical Physics</i> , 2010, 37, 3760-3772.	1.6	66
5	Novel Methodology to Investigate the Effect of Radiation Dose to Heart Substructures on Overall Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1073-1081.	0.4	62
6	A novel flexible framework with automatic feature correspondence optimization for nonrigid registration in radiotherapy. <i>Medical Physics</i> , 2009, 36, 2848-2859.	1.6	56
7	The role of computational methods for automating and improving clinical target volume definition. <i>Radiotherapy and Oncology</i> , 2020, 153, 15-25.	0.3	31
8	Target Coverage in Image-Guided Stereotactic Body Radiotherapy of Liver Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 282-290.	0.4	26
9	Cardiac sub-volume targeting demonstrates regional radiosensitivity in the mouse heart. <i>Radiotherapy and Oncology</i> , 2020, 152, 216-221.	0.3	26
10	Accurate CT/MR vessel-guided nonrigid registration of largely deformed livers. <i>Medical Physics</i> , 2012, 39, 2463-2477.	1.6	23
11	Residual setup errors caused by rotation and non-rigid motion in prone-treated cervical cancer patients after online CBCT image-guidance. <i>Radiotherapy and Oncology</i> , 2012, 103, 322-326.	0.3	22
12	Improving anatomical mapping of complexly deformed anatomy for external beam radiotherapy and brachytherapy dose accumulation in cervical cancer. <i>Medical Physics</i> , 2015, 42, 206-220.	1.6	22
13	Three-Dimensional Dose Addition of External Beam Radiotherapy and Brachytherapy for Oropharyngeal Patients Using Nonrigid Registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1268-1277.	0.4	18
14	Image Based Data Mining Using Per-voxel Cox Regression. <i>Frontiers in Oncology</i> , 2020, 10, 1178.	1.3	15
15	Experimental verification the electron return effect around spherical air cavities for the MR-Linac using Monte Carlo calculation. <i>Medical Physics</i> , 2020, 47, 2506-2515.	1.6	14
16	Assessing localized dosimetric effects due to unplanned gas cavities during pelvic MR-guided radiotherapy using Monte Carlo simulations. <i>Medical Physics</i> , 2019, 46, 5807-5815.	1.6	13
17	The impact of baseline shifts towards the heart after image guidance on survival in lung SABR patients. <i>Radiotherapy and Oncology</i> , 2020, 152, 183-188.	0.3	12
18	Flogging a Dead Salmon? Reduced Dose Posterior to Prostate Correlates With Increased PSA Progression in Voxel-Based Analysis of 3 Randomized Phase 3 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 696-699.	0.4	12

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19	Protecting the Heart: A Practical Approach to Account for the Full Extent of Heart Motion in Radiation Therapy Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1082-1090.	0.4	10
20	Clinico-pathological predictors of clinical complete response in rectal cancer. <i>Cancer Treatment and Research Communications</i> , 2022, 31, 100540.	0.7	10
21	Influence of tumour laterality on patient survival in non-small cell lung cancer after radiotherapy. <i>Radiotherapy and Oncology</i> , 2019, 137, 71-76.	0.3	9
22	Inter- and intra-fractional stability of rectal gas in pelvic cancer patients during MRI-guided RT. <i>Medical Physics</i> , 2021, 48, 414-426.	1.6	9
23	A Predictive Model for Reactive Tube Feeding in Head and Neck Cancer Patients Undergoing Definitive (Chemo) Radiotherapy. <i>Clinical Oncology</i> , 2021, 33, e433-e441.	0.6	8
24	Optimising a 3D convolutional neural network for head and neck computed tomography segmentation with limited training data. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 44-50.	1.2	7
25	2D shape similarity as a complement for Voronoi-Delone methods in shape reconstruction. <i>Computers and Graphics</i> , 2005, 29, 81-94.	1.4	6
26	An individualized strategy to estimate the effect of deformable registration uncertainty on accumulated dose in the upper abdomen. <i>Physics in Medicine and Biology</i> , 2018, 63, 125005.	1.6	5
27	Predictive value of vascular calcification identified in 4D planning CT of lung cancer patients treated with stereotactic body radiation therapy. <i>Physica Medica</i> , 2020, 78, 173-178.	0.4	5
28	Novel methodology to assess the effect of contouring variation on treatment outcome. <i>Medical Physics</i> , 2021, 48, 3234-3242.	1.6	5
29	Identification of modes of tumour regression in NSCLC patients during radiotherapy. <i>Medical Physics</i> , 2021, , .	1.6	4
30	EP-1810: Assessing the dose significance of unplanned rectal filling in pelvic MR Guided Radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 127, S973-S974.	0.3	3
31	Characterizing local dose perturbations due to gas cavities in magnetic resonance-guided radiotherapy. <i>Medical Physics</i> , 2020, 47, 2484-2494.	1.6	3
32	Early prediction of tumour-response to radiotherapy in NSCLC patients. <i>Physics in Medicine and Biology</i> , 2021, 66, 225002.	1.6	3
33	Identification of patterns of tumour change measured on CBCT images in NSCLC patients during radiotherapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 215001.	1.6	3
34	P2.16-08 Influence of Tumour Location and Histological Sub-Type of Non-Small Cell Lung Cancer on Patient Survival. <i>Journal of Thoracic Oncology</i> , 2018, 13, S833-S834.	0.5	2
35	Is reducing irradiated margins key to improving outcomes for radiotherapy?. <i>Lancet Oncology</i> , The, 2019, 20, 1208-1210.	5.1	2
36	PO-1695 Accurate H&N 3D segmentation with limited training data using 2-stage CNNs. <i>Radiotherapy and Oncology</i> , 2021, 161, S1421-S1422.	0.3	2

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37	P1.17-01 Robustness of an Image-Based Data Mining Approach in Lung Cancer Patients. Journal of Thoracic Oncology, 2018, 13, S654-S655.	0.5	1
38	EP-2000: Image-based data mining with continuous outcome variables. Radiotherapy and Oncology, 2018, 127, S1088-S1089.	0.3	1
39	Dual-energy computed tomography: Survey results on current uses and barriers to further implementation. British Journal of Radiology, 2021, 94, 20210565.	1.0	1
40	Anatomical Association of Dose Distribution With Radiotherapy-Related Lymphopenia in Oropharynx Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 111, e419.	0.4	1
41	49MO Patterns of relapse following thoracic radiotherapy in patients with limited-stage small cell lung cancer as part of the CONVERT trial. Journal of Thoracic Oncology, 2021, 16, S722.	0.5	0
42	OC-0394 Early prediction of tumour changes in NSCLC patients during radiotherapy. Radiotherapy and Oncology, 2021, 161, S289-S290.	0.3	0
43	PH-0105 Prediction of clinical complete response in rectal cancer using clinical and radiomics features. Radiotherapy and Oncology, 2021, 161, S73-S74.	0.3	0
44	PO-1822 Feasibility of spatial normalisation for image-based data mining in breast cancer radiotherapy. Radiotherapy and Oncology, 2021, 161, S1552-S1553.	0.3	0
45	OC-0363 Evaluation of how well a PCA model represents anatomical variations during H&N radiation treatment. Radiotherapy and Oncology, 2021, 161, S267-S269.	0.3	0
46	PH-0045 Comparing robustness of margin and robustly optimised plans to anatomical deformations in H&N. Radiotherapy and Oncology, 2021, 161, S19-S20.	0.3	0
47	SP-0712 Heart sparing for lung radiotherapy. Radiotherapy and Oncology, 2021, 161, S552-S553.	0.3	0
48	PO-1816 Sarcopenia in lung cancer - population based analysis of skeletal muscle density. Radiotherapy and Oncology, 2021, 161, S1546.	0.3	0
49	TU-D-BRC-06: Towards Online Image Guided Radiotherapy for Cervical Cancer: Accurate Cervix-Uterus Prediction Based On Measured Bladder Volumes. Medical Physics, 2009, 36, 2735-2735.	1.6	0
50	TH-D-213A-07: A Novel Inverse-Consistent Feature-Based Non-Rigid Registration Method That Improves the Mapping of Organs with Large-Scale Deformations. Medical Physics, 2009, 36, 2822-2822.	1.6	0
51	PO-1727: The geometric and dosimetric effect of algorithm choice on propagated contours from CT to CBCTs. Radiotherapy and Oncology, 2020, 152, S956-S957.	0.3	0
52	PO-1569: Early prediction of tumour-response to radiotherapy in NSCLC patients.. Radiotherapy and Oncology, 2020, 152, S850.	0.3	0
53	PO-1755: Use of "jigsaw puzzles"™ to train convolutional neural networks for segmentation with limited data. Radiotherapy and Oncology, 2020, 152, S976.	0.3	0
54	PD-0428: Large scale evaluation of sarcopenia as prognostic factor in lung cancer radiotherapy patients. Radiotherapy and Oncology, 2020, 152, S234-S235.	0.3	0