

Elisa Scalco

List of Publications by Year in descending order

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687363

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times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	A Clustering Approach to Improve IntraVoxel Incoherent Motion Maps from DW-MRI Using Conditional Auto-Regressive Bayesian Model. Applied Sciences (Switzerland), 2022, 12, 1907.	2.5	2
2	The stability of oncologic MRI radiomic features and the potential role of deep learning: a review. Physics in Medicine and Biology, 2022, 67, 09TR03.	3.0	6
3	A supervised deep neural network approach with standardized targets for enhanced accuracy of IVIM parameter estimation from multi-echo SNR images. NMR in Biomedicine, 2022, 35, e4774.	2.8	7
4	Theranostics in Boron Neutron Capture Therapy. Life, 2021, 11, 330.	2.4	32
5	A Multi-Variate framework to assess reliability and discrimination power of Bayesian estimation of Intravoxel Incoherent Motion parameters. Physica Medica, 2021, 89, 11-19.	0.7	5
6	A novel bayesian approach with conditional autoregressive specification for intravoxel incoherent motion diffusion-weighted MRI. NMR in Biomedicine, 2020, 33, e4201.	2.8	10
7	Multi-Steps Registration Protocol for Multimodal MR Images of Hip Skeletal Muscles in a Longitudinal Study. Applied Sciences (Switzerland), 2020, 10, 7823.	2.5	6
8	T2w-MRI signal normalization affects radiomics features reproducibility. Medical Physics, 2020, 47, 1680-1691.	3.0	82
9	EP-2022 Dose-dependent changes in Tw-MRI texture of obturator muscles after prostate cancer radiotherapy. Radiotherapy and Oncology, 2019, 133, S1108-S1109.	0.6	0
10	A new Probabilistic Active Contour region-based method for multiclass medical image segmentation. Medical and Biological Engineering and Computing, 2019, 57, 565-576.	2.8	16
11	A Conditional Autoregressive Model for Estimating Slow and Fast Diffusion from Magnetic Resonance Images. Springer Proceedings in Mathematics and Statistics, 2019, , 135-144.	0.2	1
12	Triggered intravoxel incoherent motion MRI for the assessment of calf muscle perfusion during isometric intermittent exercise. NMR in Biomedicine, 2018, 31, e3922.	2.8	20
13	Texture analysis of T1w and T2w MR images allows a quantitative evaluation of radiation-induced changes of internal obturator muscles after radiotherapy for prostate cancer. Medical Physics, 2018, 45, 1518-1528.	3.0	7
14	A Comparative Evaluation of 3 Different Free-Form Deformable Image Registration and Contour Propagation Methods for Head and Neck MRI: The Case of Parotid Changes During Radiotherapy. Technology in Cancer Research and Treatment, 2017, 16, 373-381.	1.9	25
15	Early prediction of radiotherapy-induced parotid shrinkage and toxicity based on CT radiomics and fuzzy classification. Artificial Intelligence in Medicine, 2017, 81, 41-53.	6.5	58
16	PO-0896: Quantitative MRI-based characterization of obturator muscles after prostate cancer radiotherapy. Radiotherapy and Oncology, 2017, 123, S494-S495.	0.6	0
17	Texture analysis of medical images for radiotherapy applications. British Journal of Radiology, 2017, 90, 20160642.	2.2	109
18	Characterization of cervical lymph-nodes using a multi-parametric and multi-modal approach for an early prediction of tumor response to chemo-radiotherapy. Physica Medica, 2016, 32, 1672-1680.	0.7	27

#	ARTICLE	IF	CITATIONS
19	SP-0568: Texture analysis of medical images in radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 119, S273-S274.	0.6	1
20	EP-1859: Tumor control assessment on cervical lymph nodes using texture analysis on CT and T2w-MRI images. <i>Radiotherapy and Oncology</i> , 2016, 119, S876-S877.	0.6	0
21	EP-1858: Variation of apparent diffusion coefficient in penile bulb after radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 119, S875-S876.	0.6	0
22	Evaluation of different CT lung anatomies for proton therapy with pencil beam scanning delivery, using a validated non-rigid image registration method. <i>Acta Oncologica</i> , 2016, 55, 647-651.	1.8	1
23	Early classification of parotid glands shrinkage in radiotherapy patients: A comparative study. <i>Biosystems Engineering</i> , 2015, 138, 77-89.	4.3	9
24	Analysis of serial CT images for studying the RT effects in head-neck cancer patients. , 2015, 2015, 5235-8.		0
25	High quality surface reconstruction in radiotherapy: Cross-sectional contours to 3D mesh using wavelets. , 2015, 2015, 4222-5.		5
26	Texture analysis to assess structural modifications induced by radiotherapy. , 2015, 2015, 5219-22.		7
27	Assessment and clinical validation of margins for adaptive simultaneous integrated boost in neo-adjuvant radiochemotherapy for rectal cancer. <i>Physica Medica</i> , 2015, 31, 167-172.	0.7	17
28	The Shape of Parotid DVH Predicts the Entity of Gland Deformation During IMRT for Head and Neck Cancers. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 683-691.	1.9	9
29	Multimodal non-rigid registration methods based on local variability measures in computed tomography and magnetic resonance brain images. <i>IET Image Processing</i> , 2014, 8, 699-707.	2.5	6
30	Early changes of parotid density and volume predict modifications at the end of therapy and intensity of acute xerostomia. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 1001-1007.	2.0	25
31	Texture analysis for the assessment of structural changes in parotid glands induced by radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 109, 384-387.	0.6	80
32	Mesh-based approach for the 3D analysis of anatomical structures of interest in Radiotherapy. , 2012, 2012, 6555-8.		0
33	Density variation of parotid glands during IMRT for head-neck cancer: Correlation with treatment and anatomical parameters. <i>Radiotherapy and Oncology</i> , 2012, 104, 224-229.	0.6	27
34	Comparative high-resolution pQCT analysis of femoral neck indicates different bone mass distribution in osteoporosis and osteoarthritis. <i>Osteoporosis International</i> , 2012, 23, 1967-1975.	3.1	25
35	An Automatic Segmentation Method for Regional Analysis of Femoral Neck Images Acquired by pQCT. <i>Annals of Biomedical Engineering</i> , 2011, 39, 172-184.	2.5	5
36	An automatic contour propagation method to follow parotid gland deformation during head-and-neck cancer tomotherapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 775-791.	3.0	56

#	ARTICLE	IF	CITATIONS
37	Elastic registration based on particle filter in radiotherapy images with brain deformations. , 2011, 2011, 8049-52.		5