Elisa Scalco

List of Publications by Year
in descending order

37 papers	692 citations	687363 13 h-index	552781 26 g-index
39 all docs	39 docs citations	39 times ranked	1174 citing authors

#	Article	IF	Citations
1	Texture analysis of medical images for radiotherapy applications. British Journal of Radiology, 2017, 90, 20160642.	2.2	109
2	T2wâ€MRI signal normalization affects radiomics features reproducibility. Medical Physics, 2020, 47, 1680-1691.	3.0	82
3	Texture analysis for the assessment of structural changes in parotid glands induced by radiotherapy. Radiotherapy and Oncology, 2013, 109, 384-387.	0.6	80
4	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
5	An automatic contour propagation method to follow parotid gland deformation during head-and-neck cancer tomotherapy. Physics in Medicine and Biology, 2011, 56, 775-791.	3.0	56
6	Theranostics in Boron Neutron Capture Therapy. Life, 2021, 11, 330.	2.4	32
7	Density variation of parotid glands during IMRT for headâ€"neck cancer: Correlation with treatment and anatomical parameters. Radiotherapy and Oncology, 2012, 104, 224-229.	0.6	27
8	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
9	Comparative high-resolution pQCT analysis of femoral neck indicates different bone mass distribution in osteoporosis and osteoarthritis. Osteoporosis International, 2012, 23, 1967-1975.	3.1	25
10	Early changes of parotid density and volume predict modifications at the end of therapy and intensity of acute xerostomia. Strahlentherapie Und Onkologie, 2014, 190, 1001-1007.	2.0	25
11	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
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	Assessment and clinical validation of margins for adaptive simultaneous integrated boost in neo-adjuvant radiochemotherapy for rectal cancer. Physica Medica, 2015, 31, 167-172.	0.7	17
14	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
15	A novel bayesian approach with conditional autoregressive specification for intravoxel incoherent motion diffusionâ€weighted MRI. NMR in Biomedicine, 2020, 33, e4201.	2.8	10
16	Early classification of parotid glands shrinkage in radiotherapy patients: A comparative study. Biosystems Engineering, 2015, 138, 77-89.	4.3	9
17	The Shape of Parotid DVH Predicts the Entity of Gland Deformation During IMRT for Head and Neck Cancers. Technology in Cancer Research and Treatment, 2015, 14, 683-691.	1.9	9
18	Texture analysis to assess structural modifications induced by radiotherapy. , 2015, 2015, 5219-22.		7

#	Article	IF	Citations
19	Texture analysis of T1â€w and T2â€w MR images allows a quantitative evaluation of radiationâ€induced changes of internal obturator muscles after radiotherapy for prostate cancer. Medical Physics, 2018, 45, 1518-1528.	3.0	7
20	A supervised deep neural network approach with standardized targets for enhanced accuracy of IVIM parameter estimation from multiâ€SNR images. NMR in Biomedicine, 2022, 35, e4774.	2.8	7
21	Multimodal nonâ€rigid registration methods based on local variability measures in computed tomography and magnetic resonance brain images. IET Image Processing, 2014, 8, 699-707.	2.5	6
22	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
23	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
24	An Automatic Segmentation Method for Regional Analysis of Femoral Neck Images Acquired by pQCT. Annals of Biomedical Engineering, 2011, 39, 172-184.	2.5	5
25	Elastic registration based on particle filter in radiotherapy images with brain deformations. , 2011, 2011, 8049-52.		5
26	High quality surface reconstruction in radiotherapy: Cross-sectional contours to 3D mesh using wavelets. , 2015, 2015, 4222-5.		5
27	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
28	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
29	SP-0568: Texture analysis of medical images in radiotherapy. Radiotherapy and Oncology, 2016, 119, S273-S274.	0.6	1
30	Evaluation of different CT lung anatomies for proton therapy with pencil beam scanning delivery, using a validated non-rigid image registration method. Acta OncolÃ³gica, 2016, 55, 647-651.	1.8	1
31	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
32	Mesh-based approach for the 3D analysis of anatomical structures of interest in Radiotherapy. , 2012, 2012, 6555-8.		0
33	Analysis of serial CT images for studying the RT effects in head-neck cancer patients. , 2015, 2015, 5235-8.		0
34	EP-1859: Tumor control assessment on cervical lymph nodes using texture analysis on CT and T2w-MRI images. Radiotherapy and Oncology, 2016, 119, S876-S877.	0.6	0
35	EP-1858: Variation of apparent diffusion coefficient in penile bulb after radiotherapy. Radiotherapy and Oncology, 2016, 119, S875-S876.	0.6	0
36	PO-0896: Quantitative MRI-based characterization of obturator muscles after prostate cancer radiotherapy. Radiotherapy and Oncology, 2017, 123, S494-S495.	0.6	0

#	Article	IF	Citations
37	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