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List of Publications by Year in descending order

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20 papers	3,932 citations	623734 14 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	5747 citing authors

#	Article	IF	Citations
1	Radiomics: the bridge between medical imaging and personalized medicine. Nature Reviews Clinical Oncology, 2017, 14, 749-762.	27.6	3,216
2	Decision support systems for personalized and participative radiation oncology. Advanced Drug Delivery Reviews, 2017, 109, 131-153.	13.7	113
3	Decision Support Systems in Oncology. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	2.1	85
4	In Vivo Quantification of Hypoxic and Metabolic Status of NSCLC Tumors Using [18F]HX4 and [18F]FDG-PET/CT Imaging. Clinical Cancer Research, 2014, 20, 6389-6397.	7.0	81
5	PET-based dose painting in non-small cell lung cancer: Comparing uniform dose escalation with boosting hypoxic and metabolically active sub-volumes. Radiotherapy and Oncology, 2015, 116, 281-286.	0.6	64
6	Multiparametric imaging of patient and tumour heterogeneity in non-small-cell lung cancer: quantification of tumour hypoxia, metabolism and perfusion. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 240-248.	6.4	64
7	Modern clinical research: How rapid learning health care and cohort multiple randomised clinical trials complement traditional evidence based medicine. Acta OncolÃ³gica, 2015, 54, 1289-1300.	1.8	59
8	PET imaging of zirconium-89 labelled cetuximab: A phase I trial in patients with head and neck and lung cancer. Radiotherapy and Oncology, 2017, 122, 267-273.	0.6	48
9	Quantitative assessment of Zirconium-89 labeled cetuximab using PET/CT imaging in patients with advanced head and neck cancer: a theragnostic approach. Oncotarget, 2017, 8, 3870-3880.	1.8	48
10	Clustering of multi-parametric functional imaging to identify high-risk subvolumes in non-small cell lung cancer. Radiotherapy and Oncology, 2017, 125, 379-384.	0.6	23
11	Non-invasive imaging prediction of tumor hypoxia: A novel developed and externally validated CT and FDG-PET-based radiomic signatures. Radiotherapy and Oncology, 2020, 153, 97-105.	0.6	19
12	Impact of <scp>SBRT</scp> fractionation in hypoxia dose painting â€" Accounting for heterogeneous and dynamic tumor oxygenation. Medical Physics, 2019, 46, 2512-2521.	3.0	17
13	Miniaturized Electronic Circuit Design Challenges for Ingestible Devices. Journal of Microelectromechanical Systems, 2020, 29, 645-652.	2.5	16
14	Predicting tumor hypoxia in non-small cell lung cancer by combining CT, FDG PET and dynamic contrast-enhanced CT. Acta OncolÃ³gica, 2017, 56, 1591-1596.	1.8	15
15	High-dose-rate prostate brachytherapy based on registered transrectal ultrasound and in-room cone-beam CT images. Brachytherapy, 2014, 13, 128-136.	0.5	13
16	Defining the hypoxic target volume based on positron emission tomography for image guided radiotherapy â€" the influence of the choice of the reference region and conversion function. Acta OncolÃ³gica, 2017, 56, 819-825.	1.8	13
17	[18F]-HX4 PET/CT hypoxia in patients with squamous cell carcinoma of the head and neck treated with chemoradiotherapy: Prognostic results from two prospective trials. Clinical and Translational Radiation Oncology, 2020, 23, 9-15.	1.7	12
18	Nitroglycerin as a radiosensitizer in non-small cell lung cancer: Results of a prospective imaging-based phase II trial. Clinical and Translational Radiation Oncology, 2020, 21, 49-55.	1.7	11

#	Article	IF	Citations
19	Non-linear conversion of HX4 uptake for automatic segmentation of hypoxic volumes and dose prescription. Acta OncolÃ³gica, 2018, 57, 485-490.	1.8	8
20	The promise of multiparametric imaging in oncology: how do we move forward?. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1195-1198.	6.4	7