Sean Walsh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10961456/publications.pdf

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22 papers	4,055 citations	516561 16 h-index	677027 22 g-index
24 all docs	24 docs citations	24 times ranked	5722 citing authors

#	Article	IF	Citations
1	Radiomics: the bridge between medical imaging and personalized medicine. Nature Reviews Clinical Oncology, 2017, 14, 749-762.	12.5	3,216
2	Decision support systems for personalized and participative radiation oncology. Advanced Drug Delivery Reviews, 2017, 109, 131-153.	6.6	113
3	A review in radiomics: Making personalized medicine a reality via routine imaging. Medicinal Research Reviews, 2022, 42, 426-440.	5.0	103
4	Infrastructure and distributed learning methodology for privacy-preserving multi-centric rapid learning health care: euroCAT. Clinical and Translational Radiation Oncology, 2017, 4, 24-31.	0.9	98
5	Decision Support Systems in Oncology. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	1.0	85
6	Systematic Review of Privacy-Preserving Distributed Machine Learning From Federated Databases in Health Care. JCO Clinical Cancer Informatics, 2020, 4, 184-200.	1.0	72
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.	0.8	59
8	Benefit of particle therapy in re-irradiation of head and neck patients. Results of a multicentric in silico ROCOCO trial. Radiotherapy and Oncology, 2016, 121, 387-394.	0.3	46
9	Blockchain for Privacy Preserving and Trustworthy Distributed Machine Learning in Multicentric Medical Imaging (C-DistriM). IEEE Access, 2020, 8, 183939-183951.	2.6	44
10	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. Seminars in Nuclear Medicine, 2019, 49, 438-449.	2.5	38
11	Development and Validation of an Automated Radiomic CT Signature for Detecting COVID-19. Diagnostics, 2021, 11, 41.	1.3	31
12	Federated learning for multi-center imaging diagnostics: a simulation study in cardiovascular disease. Scientific Reports, 2022, 12, 3551.	1.6	31
13	Development of a virtual spacer to support the decision for the placement of an implantable rectum spacer for prostate cancer radiotherapy: Comparison of dose, toxicity and cost-effectiveness. Radiotherapy and Oncology, 2017, 125, 107-112.	0.3	23
14	Big Data in radiation therapy: challenges and opportunities. British Journal of Radiology, 2017, 90, 20160689.	1.0	22
15	A TCP model for external beam treatment of intermediateâ€risk prostate cancer. Medical Physics, 2013, 40, 031709.	1.6	20
16	A validated tumor control probability model based on a metaâ€analysis of low, intermediate, and highâ€risk prostate cancer patients treated by photon, proton, or carbonâ€ion radiotherapy. Medical Physics, 2016, 43, 734-747.	1.6	17
17	Privacy preserving distributed learning classifiers â€“ Sequential learning with small sets of data. Computers in Biology and Medicine, 2021, 136, 104716.	3.9	12
18	On the Sensitivity of Î±/Î² Prediction to Dose Calculation Methodology in Prostate Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2014, 88, 345-350.	0.4	6

#	Article	IF	Citations
19	Development of an isotoxic decision support system integrating genetic markers of toxicity for the implantation of a rectum spacer. Acta OncolÃ³gica, 2018, 57, 1499-1505.	0.8	6
20	An externally validated fully automated deep learning algorithm to classify COVID-19 and other pneumonias on chest computed tomography. ERJ Open Research, 2022, 8, 00579-2021.	1.1	6
21	Towards a Clinical Decision Support System for External Beam Radiation Oncology Prostate Cancer Patients: Proton vs. Photon Radiotherapy? A Radiobiological Study of Robustness and Stability. Cancers, 2018, 10, 55.	1.7	5
22	X-change symposium: status and future of modern radiation oncologyâ€"from technology to biology. Radiation Oncology, 2021, 16, 27.	1.2	1