

Sean Walsh

List of Publications by Year in descending order

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Version: 2024-02-01

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	A review in radiomics: Making personalized medicine a reality via routine imaging. <i>Medicinal Research Reviews</i> , 2022, 42, 426-440.	5.0	103
2	Federated learning for multi-center imaging diagnostics: a simulation study in cardiovascular disease. <i>Scientific Reports</i> , 2022, 12, 3551.	1.6	31
3	An externally validated fully automated deep learning algorithm to classify COVID-19 and other pneumonias on chest computed tomography. <i>ERJ Open Research</i> , 2022, 8, 00579-2021.	1.1	6
4	X-change symposium: status and future of modern radiation oncologyâ€”from technology to biology. <i>Radiation Oncology</i> , 2021, 16, 27.	1.2	1
5	Privacy preserving distributed learning classifiers â€” Sequential learning with small sets of data. <i>Computers in Biology and Medicine</i> , 2021, 136, 104716.	3.9	12
6	Development and Validation of an Automated Radiomic CT Signature for Detecting COVID-19. <i>Diagnostics</i> , 2021, 11, 41.	1.3	31
7	Blockchain for Privacy Preserving and Trustworthy Distributed Machine Learning in Multicentric Medical Imaging (C-DistriM). <i>IEEE Access</i> , 2020, 8, 183939-183951.	2.6	44
8	Systematic Review of Privacy-Preserving Distributed Machine Learning From Federated Databases in Health Care. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 184-200.	1.0	72
9	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 438-449.	2.5	38
10	Decision Support Systems in Oncology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	85
11	Development of an isotoxic decision support system integrating genetic markers of toxicity for the implantation of a rectum spacer. <i>Acta Oncol³gica</i> , 2018, 57, 1499-1505.	0.8	6
12	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. <i>Cancers</i> , 2018, 10, 55.	1.7	5
13	Decision support systems for personalized and participative radiation oncology. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 131-153.	6.6	113
14	Big Data in radiation therapy: challenges and opportunities. <i>British Journal of Radiology</i> , 2017, 90, 20160689.	1.0	22
15	Radiomics: the bridge between medical imaging and personalized medicine. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 749-762.	12.5	3,216
16	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. <i>Radiotherapy and Oncology</i> , 2017, 125, 107-112.	0.3	23
17	Infrastructure and distributed learning methodology for privacy-preserving multi-centric rapid learning health care: euroCAT. <i>Clinical and Translational Radiation Oncology</i> , 2017, 4, 24-31.	0.9	98
18	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. <i>Medical Physics</i> , 2016, 43, 734-747.	1.6	17

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19	Benefit of particle therapy in re-irradiation of head and neck patients. Results of a multicentric in silico ROCOCO trial. <i>Radiotherapy and Oncology</i> , 2016, 121, 387-394.	0.3	46
20	Modern clinical research: How rapid learning health care and cohort multiple randomised clinical trials complement traditional evidence based medicine. <i>Acta Oncologica</i> , 2015, 54, 1289-1300.	0.8	59
21	On the Sensitivity of \hat{I}_{\pm}/\hat{I}^2 Prediction to Dose Calculation Methodology in Prostate Brachytherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 345-350.	0.4	6
22	A TCP model for external beam treatment of intermediate-risk prostate cancer. <i>Medical Physics</i> , 2013, 40, 031709.	1.6	20