Johan van Soest

List of Publications by Year in descending order

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Version: 2024-02-01

30 papers	4,656 citations	430874 18 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	6367 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	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. Medical Physics, 2018, 45, 3449-3459.	3.0	214
3	Distributed learning: Developing a predictive model based on data from multiple hospitals without data leaving the hospital â€“ A real life proof of concept. Radiotherapy and Oncology, 2016, 121, 459-467.	0.6	139
4	Decision support systems for personalized and participative radiation oncology. Advanced Drug Delivery Reviews, 2017, 109, 131-153.	13.7	113
5	Developing and Validating a Survival Prediction Model for NSCLC Patients Through Distributed Learning Across 3 Countries. International Journal of Radiation Oncology Biology Physics, 2017, 99, 344-352.	0.8	102
6	Infrastructure and distributed learning methodology for privacy-preserving multi-centric rapid learning health care: euroCAT. Clinical and Translational Radiation Oncology, 2017, 4, 24-31.	1.7	98
7	Distributed learning on 20 000+ lung cancer patients â€“ The Personal Health Train. Radiotherapy and Oncology, 2020, 144, 189-200.	0.6	97
8	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. Radiologia Medica, 2018, 123, 286-295.	7.7	91
9	Magnetic Resonance, Vendor-independent, Intensity Histogram Analysis Predicting Pathologic Complete Response After Radiochemotherapy of Rectal Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 765-774.	0.8	81
10	Development and evaluation of an online three-level proton vs photon decision support prototype for head and neck cancer â€“ Comparison of dose, toxicity and cost-effectiveness. Radiotherapy and Oncology, 2016, 118, 281-285.	0.6	65
11	Distributed Analytics on Sensitive Medical Data: The Personal Health Train. Data Intelligence, 2020, 2, 96-107.	1.5	62
12	Nomogram predicting response after chemoradiotherapy in rectal cancer using sequential PETCT imaging: A multicentric prospective study with external validation. Radiotherapy and Oncology, 2014, 113, 215-222.	0.6	51
13	Timing to achieve the highest rate of pCR after preoperative radiochemotherapy in rectal cancer: a pooled analysis of 3085 patients from 7 randomized trials. Radiotherapy and Oncology, 2021, 154, 154-160.	0.6	45
14	An umbrella protocol for standardized data collection (SDC) in rectal cancer: A prospective uniform naming and procedure convention to support personalized medicine. Radiotherapy and Oncology, 2014, 112, 59-62.	0.6	37
15	Towards a modular decision support system for radiomics: A case study on rectal cancer. Artificial Intelligence in Medicine, 2019, 96, 145-153.	6.5	36
16	Standardized data collection to build prediction models in oncology: a prototype for rectal cancer. Future Oncology, 2016, 12, 119-136.	2.4	32
17	An Evaluation of Atlas Selection Methods for Atlas-Based Automatic Segmentation in Radiotherapy Treatment Planning. IEEE Transactions on Medical Imaging, 2019, 38, 2654-2664.	8.9	23
18	Can Atlas-Based Auto-Segmentation Ever Be Perfect? Insights From Extreme Value Theory. IEEE Transactions on Medical Imaging, 2019, 38, 99-106.	8.9	21

#	Article	IF	Citations
19	VATE: VAlidation of high TEchnology based on large database analysis by learning machine. Colorectal Cancer, 2014, 3, 435-450.	0.8	19
20	Predicting outcomes in anal cancer patients using multi-centre data and distributed learning â€“ A proof-of-concept study. Radiotherapy and Oncology, 2021, 159, 183-189.	0.6	18
21	Validation of a rectal cancer outcome prediction model with a cohort of Chinese patients. Oncotarget, 2015, 6, 38327-38335.	1.8	17
22	Distributed Learning to Protect Privacy inÂMulti-centric Clinical Studies. Lecture Notes in Computer Science, 2015, , 65-75.	1.3	15
23	Prognostic factors analysis for oral cavity cancer survival in the Netherlands and Taiwan using a privacy-preserving federated infrastructure. Scientific Reports, 2020, 10, 20526.	3.3	15
24	A Privacy-Preserving Infrastructure for Analyzing Personal Health Data in a Vertically Partitioned Scenario. Studies in Health Technology and Informatics, 2019, 264, 373-377.	0.3	12
25	Exploring Associations of Preoperative Physical Performance With Postoperative Outcomes After Lumbar Spinal Fusion: A Machine Learning Approach. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1324-1330.e3.	0.9	8
26	Medicine is a science of uncertainty and an art of probability (Sir W. Osler). Radiotherapy and Oncology, 2015, 114, 132-134.	0.6	7
27	A systematic review on privacy-preserving distributed data mining. Data Science, 2021, 4, 121-150.	0.9	4
28	Bayesian network structure for predicting local tumor recurrence in rectal cancer patients treated with neoadjuvant chemoradiation followed by surgery. Physics and Imaging in Radiation Oncology, 2022, 22, 1-7.	2.9	4
29	Fast and easy mapping of relational data to RDF for rapid learning health care. , 2018, , .		0
30	Big data for better cancer care. British Journal of Hospital Medicine (London, England: 2005), 2019, 80, 304-305.	0.5	0