Rene Monshouwer

List of Publications by Year
in descending order

35 papers	5,335 citations	331259 21 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	7571 citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. Nature Communications, 2014, 5, 4006.	5.8	3,355
2	Superradiance and Exciton Delocalization in Bacterial Photosynthetic Light-Harvesting Systems. Journal of Physical Chemistry B, 1997, 101, 7241-7248.	1.2	378
3	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. Medical Physics, 2018, 45, 3449-3459.	1.6	214
4	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. Radiotherapy and Oncology, 2017, 123, 363-369.	0.3	136
5	Polarized site-selected fluorescence spectroscopy of isolated Photosystem I particles. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 75-85.	0.5	106
6	Low-intensity pump-probe spectroscopy on the B800 to B850 transfer in the light harvesting 2 complex of Rhodobacter sphaeroides. Chemical Physics Letters, 1995, 246, 341-346.	1.2	104
7	Exciton (De)Localization in the LH2 Antenna of Rhodobacter sphaeroides As Revealed by Relative Difference Absorption Measurements of the LH2 Antenna and the B820 Subunit. Journal of Physical Chemistry B, 1999, 103, 10540-10548.	1.2	103
8	Polarized site-selective fluorescence spectroscopy of the long-wavelength emitting chlorophylls in isolated Photosystem I particles of Synechococcus elongatus. Photosynthesis Research, 1996, 48, 239-246.	1.6	100
9	Distributed learning on 20 000+ lung cancer patients â€" The Personal Health Train. Radiotherapy and Oncology, 2020, 144, 189-200.	0.3	97
10	Disordered Exciton Model for the Core Light-Harvesting Antenna of Rhodopseudomonas viridis. Biophysical Journal, 1999, 77, 666-681.	0.2	94
11	Temperature dependence of electron-vibronic spectra of photosynthetic systems. Computer simulations and comparison with experiment. Chemical Physics, 1995, 194, 395-407.	0.9	72
12	Time-Resolved Absorption Difference Spectroscopy of the LH-1 Antenna of Rhodopseudomonas viridis. Journal of Physical Chemistry A, 1998, 102, 4360-4371.	1.1	59
13	Learning from scanners: Bias reduction and feature correction in radiomics. Clinical and Translational Radiation Oncology, 2019, 19, 33-38.	0.9	54
14	Longitudinal radiomics of cone-beam CT images from non-small cell lung cancer patients: Evaluation of the added prognostic value for overall survival and locoregional recurrence. Radiotherapy and Oncology, 2019, 136, 78-85.	0.3	48
15	Excitations and excitons in bacterial light-harvesting complexes. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1275, 70-75.	0.5	45
16	Inhomogeneous spectral broadening of the B820 subunit form of LH1. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1141, 238-244.	0.5	42
17	External validation of deep learning-based contouring of head and neck organs at risk. Physics and Imaging in Radiation Oncology, 2020, 15, 8-15.	1.2	40
18	Distributed radiomics as a signature validation study using the Personal Health Train infrastructure. Scientific Data, 2019, 6, 218.	2.4	37

#	Article	IF	Citations
19	A systematic review and quality of reporting checklist for repeatability and reproducibility of radiomic features. Physics and Imaging in Radiation Oncology, 2021, 20, 69-75.	1.2	37
20	Electronic and Vibrational Coherence in the Core Light-Harvesting Antenna of Rhodopseudomonas viridis. Journal of Physical Chemistry B, 2000, 104, 12056-12071.	1.2	31
21	Multicenter <scp>CT</scp> phantoms public dataset for radiomics reproducibility tests. Medical Physics, 2019, 46, 1512-1518.	1.6	26
22	Low-temperature absorption and site-selected fluorescence of the light-harvesting antenna of Rhodopseudomonas viridis. Evidence for heterogeneity. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1229, 373-380.	0.5	22
23	Independent knowledge-based treatment planning QA to audit Pinnacle autoplanning. Radiotherapy and Oncology, 2019, 133, 198-204.	0.3	21
24	FAIRâ€compliant clinical, radiomics and DICOM metadata of RIDER, interobserver, Lung1 and headâ€Neck1 TCIA collections. Medical Physics, 2020, 47, 5931-5940.	1.6	20
25	Temperature-Dependent Lifetimes and Quantum Yield of the Singlet and Triplet States of the B820 Subunit of LHI Antenna Complex of Purple Bacterium Rhodospirillum rubrum. Journal of Physical Chemistry B, 1997, 101, 10554-10559.	1.2	17
26	Deep learning model for automatic contouring of cardiovascular substructures on radiotherapy planning CT images: Dosimetric validation and reader study based clinical acceptability testing. Radiotherapy and Oncology, 2021, 165, 52-59.	0.3	14
27	Timeâ€resolved dosimetry using a pinpoint ionization chamber as quality assurance for IMRT and VMAT	1.6	10
28	Esophageal wall dose-surface maps do not improve the predictive performance of a multivariable NTCP model for acute esophageal toxicity in advanced stage NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. Physics in Medicine and Biology, 2017, 62, 3668-3681.	1.6	10
29	Deciphering the glioblastoma phenotype by computed tomography radiomics. Radiotherapy and Oncology, 2021, 160, 132-139.	0.3	9
30	External validation of an NTCP model for acute esophageal toxicity in locally advanced NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. Radiotherapy and Oncology, 2018, 129, 249-256.	0.3	8
31	A practical approach to assess clinical planning tradeoffs in the design of individualized IMRT treatment plans. Radiotherapy and Oncology, 2010, 97, 561-566.	0.3	7
32	Radiomics integration into a picture archiving and communication system. Physics and Imaging in Radiation Oncology, 2021, 20, 30-33.	1.2	5
33	Photosynthetic antennae. Photosynthetic lightâ€harvesting. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1950-1957.	0.9	4
34	Evaluation of two independent dose prediction methods to personalize the automated radiotherapy planning process for prostate cancer. Physics and Imaging in Radiation Oncology, 2022, 21, 24-29.	1.2	2
35	Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. Cancers, 2022, 14, 1288.	1.7	0