

# Rene Monshouwer

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

5,335  
citations

331670

21  
h-index

361022

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. <i>Nature Communications</i> , 2014, 5, 4006.	12.8	3,355
2	Superradiance and Exciton Delocalization in Bacterial Photosynthetic Light-Harvesting Systems. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7241-7248.	2.6	378
3	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. <i>Medical Physics</i> , 2018, 45, 3449-3459.	3.0	214
4	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. <i>Radiotherapy and Oncology</i> , 2017, 123, 363-369.	0.6	136
5	Polarized site-selected fluorescence spectroscopy of isolated Photosystem I particles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1188, 75-85.	1.0	106
6	Low-intensity pump-probe spectroscopy on the B800 to B850 transfer in the light harvesting 2 complex of <i>Rhodobacter sphaeroides</i> . <i>Chemical Physics Letters</i> , 1995, 246, 341-346.	2.6	104
7	Exciton (De)Localization in the LH2 Antenna of <i>Rhodobacter sphaeroides</i> As Revealed by Relative Difference Absorption Measurements of the LH2 Antenna and the B820 Subunit. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10540-10548.	2.6	103
8	Polarized site-selective fluorescence spectroscopy of the long-wavelength emitting chlorophylls in isolated Photosystem I particles of <i>Synechococcus elongatus</i> . <i>Photosynthesis Research</i> , 1996, 48, 239-246.	2.9	100
9	Distributed learning on 20 000+ lung cancer patients – The Personal Health Train. <i>Radiotherapy and Oncology</i> , 2020, 144, 189-200.	0.6	97
10	Disordered Exciton Model for the Core Light-Harvesting Antenna of <i>Rhodospseudomonas viridis</i> . <i>Biophysical Journal</i> , 1999, 77, 666-681.	0.5	94
11	Temperature dependence of electron-vibronic spectra of photosynthetic systems. Computer simulations and comparison with experiment. <i>Chemical Physics</i> , 1995, 194, 395-407.	1.9	72
12	Time-Resolved Absorption Difference Spectroscopy of the LH-1 Antenna of <i>Rhodospseudomonas viridis</i> . <i>Journal of Physical Chemistry A</i> , 1998, 102, 4360-4371.	2.5	59
13	Learning from scanners: Bias reduction and feature correction in radiomics. <i>Clinical and Translational Radiation Oncology</i> , 2019, 19, 33-38.	1.7	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. <i>Radiotherapy and Oncology</i> , 2019, 136, 78-85.	0.6	48
15	Excitations and excitons in bacterial light-harvesting complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 70-75.	1.0	45
16	Inhomogeneous spectral broadening of the B820 subunit form of LH1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1141, 238-244.	1.0	42
17	External validation of deep learning-based contouring of head and neck organs at risk. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 8-15.	2.9	40
18	Distributed radiomics as a signature validation study using the Personal Health Train infrastructure. <i>Scientific Data</i> , 2019, 6, 218.	5.3	37

#	ARTICLE	IF	CITATIONS
19	A systematic review and quality of reporting checklist for repeatability and reproducibility of radiomic features. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 69-75.	2.9	37
20	Electronic and Vibrational Coherence in the Core Light-Harvesting Antenna of <i>Rhodospseudomonas viridis</i> . <i>Journal of Physical Chemistry B</i> , 2000, 104, 12056-12071.	2.6	31
21	Multicenter <scp>CT</scp> phantoms public dataset for radiomics reproducibility tests. <i>Medical Physics</i> , 2019, 46, 1512-1518.	3.0	26
22	Low-temperature absorption and site-selected fluorescence of the light-harvesting antenna of <i>Rhodospseudomonas viridis</i> . Evidence for heterogeneity. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1229, 373-380.	1.0	22
23	Independent knowledge-based treatment planning QA to audit Pinnacle autoplanning. <i>Radiotherapy and Oncology</i> , 2019, 133, 198-204.	0.6	21
24	FAIR-compliant clinical, radiomics and DICOM metadata of RIDER, interobserver, Lung1 and head-Neck1 TCIA collections. <i>Medical Physics</i> , 2020, 47, 5931-5940.	3.0	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 <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 1997, 101, 10554-10559.	2.6	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. <i>Radiotherapy and Oncology</i> , 2021, 165, 52-59.	0.6	14
27	Time-resolved dosimetry using a pinpoint ionization chamber as quality assurance for IMRT and VMAT	3.0	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. <i>Physics in Medicine and Biology</i> , 2017, 62, 3668-3681.	3.0	10
29	Deciphering the glioblastoma phenotype by computed tomography radiomics. <i>Radiotherapy and Oncology</i> , 2021, 160, 132-139.	0.6	9
30	External validation of an NTCP model for acute esophageal toxicity in locally advanced NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 249-256.	0.6	8
31	A practical approach to assess clinical planning tradeoffs in the design of individualized IMRT treatment plans. <i>Radiotherapy and Oncology</i> , 2010, 97, 561-566.	0.6	7
32	Radiomics integration into a picture archiving and communication system. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 30-33.	2.9	5
33	Photosynthetic antennae. Photosynthetic light-harvesting. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 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. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 21, 24-29.	2.9	2
35	Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. <i>Cancers</i> , 2022, 14, 1288.	3.7	0