

Caspar van Leeuwen

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

745
citations

687363

13
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting atmospheric optical properties for radiative transfer computations using neural networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200095.	3.4	21
2	Event generation and statistical sampling for physics with deep generative models and a density information buffer. <i>Nature Communications</i> , 2021, 12, 2985.	12.8	34
3	Radiosensitization by Hyperthermia: The Effects of Temperature, Sequence, and Time Interval in Cervical Cell Lines. <i>Cancers</i> , 2020, 12, 582.	3.7	25
4	Measurement and analysis of the impact of time-interval, temperature and radiation dose on tumour cell survival and its application in thermoradiotherapy plan evaluation. <i>International Journal of Hyperthermia</i> , 2018, 34, 30-38.	2.5	34
5	Enhancing radiosensitisation of BRCA2-proficient and BRCA2-deficient cell lines with hyperthermia and PARP1-inhibitors. <i>International Journal of Hyperthermia</i> , 2018, 34, 39-48.	2.5	18
6	The effect of time interval between radiotherapy and hyperthermia on planned equivalent radiation dose. <i>International Journal of Hyperthermia</i> , 2018, 34, 901-909.	2.5	23
7	The alfa and beta of tumours: a review of parameters of the linear-quadratic model, derived from clinical radiotherapy studies. <i>Radiation Oncology</i> , 2018, 13, 96.	2.7	301
8	A short time interval between radiotherapy and hyperthermia reduces in-field recurrence and mortality in women with advanced cervical cancer. <i>Radiation Oncology</i> , 2017, 12, 75.	2.7	60
9	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2017, 33, 160-169.	2.5	31
10	A biological modeling based comparison of two strategies for adaptive radiotherapy of urinary bladder cancer. <i>Acta Oncologica</i> , 2016, 55, 1009-1015.	1.8	5
11	Biological modelling of the radiation dose escalation effect of regional hyperthermia in cervical cancer. <i>Radiation Oncology</i> , 2016, 11, 14.	2.7	37
12	Thermoradiotherapy planning: Integration in routine clinical practice. <i>International Journal of Hyperthermia</i> , 2016, 32, 41-49.	2.5	55
13	Hyperthermia Selectively Targets Human Papillomavirus in Cervical Tumors via p53-Dependent Apoptosis. <i>Cancer Research</i> , 2015, 75, 5120-5129.	0.9	53
14	Improving the sensitivity of future GW observatories in the 10-100 Hz band: Newtonian and seismic noise. <i>General Relativity and Gravitation</i> , 2011, 43, 623-656.	2.0	46
15	EESI: A cross-platform ready-to-use optimised scientific software stack. <i>Software - Practice and Experience</i> , 0, , .	3.6	2