Arlene Leonie Oei

List of Publications by Year
in descending order

34	1,522	394421	377865
papers	citations	19 h-index	34 g-index

34	34	34	1808
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The alfa and beta of tumours: a review of parameters of the linear-quadratic model, derived from clinical radiotherapy studies. Radiation Oncology, 2018, 13, 96.	2.7	301
2	Effects of hyperthermia on DNA repair pathways: one treatment to inhibit them all. Radiation Oncology, 2015, 10, 165.	2.7	220
3	Hyperthermia: The Optimal Treatment to Overcome Radiation Resistant Hypoxia. Cancers, 2019, 11, 60.	3.7	142
4	Cell survival and radiosensitisation: Modulation of the linear and quadratic parameters of the LQ model. International Journal of Oncology, 2013, 42, 1501-1515.	3.3	88
5	Molecular and biological rationale of hyperthermia as radio- and chemosensitizer. Advanced Drug Delivery Reviews, 2020, 163-164, 84-97.	13.7	81
6	Variation in Clinical Application of Hyperthermic Intraperitoneal Chemotherapy: A Review. Cancers, 2019, 11, 78.	3.7	64
7	A short time interval between radiotherapy and hyperthermia reduces in-field recurrence and mortality in women with advanced cervical cancer. Radiation Oncology, 2017, 12, 75.	2.7	60
8	Thermoradiotherapy planning: Integration in routine clinical practice. International Journal of Hyperthermia, 2016, 32, 41-49.	2.5	55
9	Hyperthermia Selectively Targets Human Papillomavirus in Cervical Tumors via p53-Dependent Apoptosis. Cancer Research, 2015, 75, 5120-5129.	0.9	53
10	The Temperature-Dependent Effectiveness of Platinum-Based Drugs Mitomycin-C and 5-FU during Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in Colorectal Cancer Cell Lines. Cells, 2020, 9, 1775.	4.1	38
11	Hyperthermia-Based Anti-Cancer Treatments. Cancers, 2021, 13, 1240.	3.7	38
12	Biological modelling of the radiation dose escalation effect of regional hyperthermia in cervical cancer. Radiation Oncology, 2016, 11, 14.	2.7	37
13	Enhancing the abscopal effect of radiation and immune checkpoint inhibitor therapies with magnetic nanoparticle hyperthermia in a model of metastatic breast cancer. International Journal of Hyperthermia, 2019, 36, 47-63.	2.5	35
14	Measurement and analysis of the impact of time-interval, temperature and radiation dose on tumour cell survival and its application in thermoradiotherapy plan evaluation. International Journal of Hyperthermia, 2018, 34, 30-38.	2.5	34
15	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. International Journal of Hyperthermia, 2017, 33, 160-169.	2.5	31
16	Radiosensitization by Hyperthermia: The Effects of Temperature, Sequence, and Time Interval in Cervical Cell Lines. Cancers, 2020, 12, 582.	3.7	25
17	The effect of time interval between radiotherapy and hyperthermia on planned equivalent radiation dose. International Journal of Hyperthermia, 2018, 34, 901-909.	2.5	23
18	Increased uptake of doxorubicin by cells undergoing heat stress does not explain its synergistic cytotoxicity with hyperthermia. International Journal of Hyperthermia, 2019, 36, 711-719.	2.5	20

#	Article	IF	Citations
19	Boosting the effects of hyperthermia-based anticancer treatments by HSP90 inhibition. Oncotarget, 2017, 8, 97490-97503.	1.8	20
20	Simulating drug penetration during hyperthermic intraperitoneal chemotherapy. Drug Delivery, 2021, 28, 145-161.	5.7	19
21	Enhancing radiosensitisation of BRCA2-proficient and BRCA2-deficient cell lines with hyperthermia and PARP1-i. International Journal of Hyperthermia, 2018, 34, 39-48.	2.5	18
22	The Impact of the Time Interval Between Radiation and Hyperthermia on Clinical Outcome in Patients With Locally Advanced Cervical Cancer. Frontiers in Oncology, 2019, 9, 412.	2.8	17
23	The role of hyperthermia in the treatment of locally advanced cervical cancer: a comprehensive review. International Journal of Gynecological Cancer, 2022, 32, 288-296.	2.5	17
24	Preclinical In Vivo-Models to Investigate HIPEC; Current Methodologies and Challenges. Cancers, 2021, 13, 3430.	3.7	14
25	Enhancement of Radiation Effectiveness in Cervical Cancer Cells by Combining Ionizing Radiation with Hyperthermia and Molecular Targeting Agents. International Journal of Molecular Sciences, 2018, 19, 2420.	4.1	13
26	Response: Commentary: The Impact of the Time Interval Between Radiation and Hyperthermia on Clinical Outcome in Patients With Locally Advanced Cervical Cancer. Frontiers in Oncology, 2020, 10, 528.	2.8	12
27	Post-operative re-irradiation with hyperthermia in locoregional breast cancer recurrence: Temperature matters. Radiotherapy and Oncology, 2022, 167, 149-157.	0.6	11
28	Demonstration of treatment planning software for hyperthermic intraperitoneal chemotherapy in a rat model. International Journal of Hyperthermia, 2021, 38, 38-54.	2.5	8
29	A Four-Inflow Construction to Ensure Thermal Stability and Uniformity during Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in Rats. Cancers, 2020, 12, 3516.	3.7	7
30	Dynamics of chromosomal aberrations, induction of apoptosis, BRCA2 degradation and sensitization to radiation by hyperthermia. International Journal of Molecular Medicine, 2016, 38, 243-250.	4.0	6
31	HyCHEED System for Maintaining Stable Temperature Control during Preclinical Irreversible Electroporation Experiments at Clinically Relevant Temperature and Pulse Settings. Sensors, 2020, 20, 6227.	3.8	4
32	Gamma-H2AX Foci Decay Ratio as a Stronger Predictive Factor of Late Radiation Toxicity Than Dose-Volume Parameters in a Prospective Cohort of Prostate Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2022, 112, 212-221.	0.8	4
33	A scalable hyperthermic intravesical chemotherapy (HIVEC) setup for rat models of bladder cancer. Scientific Reports, 2022, 12, 7017.	3.3	4
34	A Comparison between Patient- and Physician-Reported Late Radiation Toxicity in Long-Term Prostate Cancer Survivors. Cancers, 2022, 14, 1670.	3.7	3