Brita Singers SÃ¸rensen

List of Publications by Year
in descending order

65 papers	2,663 citations	270111 25 h-index	214428 50 g-index
66 all docs	66 docs citations	66 times ranked	3693 citing authors

#	Article	IF	Citations
1	The current status of preclinical proton FLASH radiation and future directions. Medical Physics, 2022, 49, 2039-2054.	1.6	40
2	In vivo validation and tissue sparing factor for acute damage of pencil beam scanning proton FLASH. Radiotherapy and Oncology, 2022, 167, 109-115.	0.3	52
3	Time structure of pencil beam scanning proton FLASH beams measured with scintillator detectors and compared with log files. Medical Physics, 2022, 49, 1932-1943.	1.6	13
4	Total cellâ€‘free DNA measurement in metastatic colorectal cancer with a fast and easy direct fluorescent assay. Molecular and Clinical Oncology, 2022, 16, 64.	0.4	2
5	Pencil beam scanning proton FLASH maintains tumor control while normal tissue damage is reduced in a mouse model. Radiotherapy and Oncology, 2022, 175, 178-184.	0.3	23
6	Clinical use and future requirements of relative biological effectiveness: Survey among all European proton therapy centres. Radiotherapy and Oncology, 2022, 172, 134-139.	0.3	10
7	Hypoxia and local tumour control in squamous cell carcinoma of the anus â€“ a hypothesis-generating study. Acta OncolÃ³gica, 2022, 61, 1132-1135.	0.8	1
8	Circulating cell-free DNA as predictor of pathological complete response in locally advanced rectal cancer patients undergoing preoperative chemoradiotherapy. Clinical and Translational Radiation Oncology, 2022, 36, 9-15.	0.9	4
9	Does the combination of hyperthermia with low LET (linear energy transfer) radiation induce anti-tumor effects equivalent to those seen with high LET radiation alone?. International Journal of Hyperthermia, 2021, 38, 105-110.	1.1	2
10	Refinement of an Established Procedure and Its Application for Identification of Hypoxia in Prostate Cancer Xenografts. Cancers, 2021, 13, 2602.	1.7	2
11	Does the uncertainty in relative biological effectiveness affect patient treatment in proton therapy?. Radiotherapy and Oncology, 2021, 163, 177-184.	0.3	38
12	Proton scanning and X-ray beam irradiation induce distinct regulation of inflammatory cytokines in a preclinical mouse model. International Journal of Radiation Biology, 2020, 96, 1238-1244.	1.0	14
13	Mapping the Future of Particle Radiobiology in Europe: The INSPIRE Project. Frontiers in Physics, 2020, 8, .	1.0	9
14	Prognostic value of aÂ15-gene hypoxia classifier in oropharyngeal cancer treated with accelerated chemoradiotherapy. Strahlentherapie Und Onkologie, 2020, 196, 552-560.	1.0	6
15	Tumor Hypoxia: Impact on Radiation Therapy and Molecular Pathways. Frontiers in Oncology, 2020, 10, 562.	1.3	136
16	Measurement of circulating free DNA in squamous cell carcinoma of the anus and relation to risk factors and recurrence. Radiotherapy and Oncology, 2020, 150, 211-216.	0.3	6
17	Prognostic and predictive value of circulating DNA for hepatic arterial infusion of chemotherapy for patients with colorectal cancer liver metastases. Molecular and Clinical Oncology, 2020, 13, 1-1.	0.4	6
18	Genomic variability in the extinct steppe bison (Bison priscus) compared to the European bison (Bison) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	4

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19	Commentary: RBE in proton therapy â€“ where is the experimental in vivo data?. Acta OncolÃ³gica, 2019, 58, 1337-1339.	0.8	5
20	Hyperthermia: The Optimal Treatment to Overcome Radiation Resistant Hypoxia. Cancers, 2019, 11, 60.	1.7	142
21	Molecular Biomarkers in Radiation Oncology. , 2019, , 1-20.		2
22	Comparison of Coding Transcriptomes in Fibroblasts Irradiated With Low and High LET Proton Beams and Cobalt-60 Photons. International Journal of Radiation Oncology Biology Physics, 2019, 103, 1203-1211.	0.4	7
23	Overview of research and therapy facilities for radiobiological experimental work in particle therapy. Report from the European Particle Therapy Network radiobiology group. Radiotherapy and Oncology, 2018, 128, 14-18.	0.3	21
24	Optimal reference genes for normalization of qPCR gene expression data from proton and photon irradiated dermal fibroblasts. Scientific Reports, 2018, 8, 12688.	1.6	5
25	Associations between skin rash, treatment outcome, and single nucleotide polymorphisms in head and neck cancer patients receiving the EGFR-inhibitor zalutumumab: results from the DAHANCA 19 trial. Acta OncolÃ³gica, 2018, 57, 1159-1164.	0.8	7
26	â€œRadiobiology of Proton Therapyâ€• Results of an international expert workshop. Radiotherapy and Oncology, 2018, 128, 56-67.	0.3	85
27	Cellâ€‘free DNA and chemoembolization in patients with liver metastases from colorectal cancer. Oncology Letters, 2018, 16, 2654-2660.	0.8	7
28	Comparing Photon and Charged Particle Therapy Using DNA Damage Biomarkers. International Journal of Particle Therapy, 2018, 5, 15-24.	0.9	23
29	Plasma proteins as prognostic biomarkers in radiotherapy treated head and neck cancer patients. Clinical and Translational Radiation Oncology, 2017, 2, 46-52.	0.9	6
30	Relative biological effectiveness (RBE) and distal edge effects of proton radiation on early damage in vivo. Acta OncolÃ³gica, 2017, 56, 1387-1391.	0.8	64
31	Differential gene expression in primary fibroblasts induced by proton and cobalt-60 beam irradiation. Acta OncolÃ³gica, 2017, 56, 1406-1412.	0.8	17
32	Relative Biological Effectiveness of Antiprotons the AD-4/ACE Experiment. , 2017, , .		1
33	The relative biological effectiveness of antiprotons. Radiotherapy and Oncology, 2016, 121, 453-458.	0.3	6
34	Validation of a 15-gene hypoxia classifier in head and neck cancer for prospective use in clinical trials. Acta OncolÃ³gica, 2016, 55, 1091-1098.	0.8	55
35	An evaluation of multiplex bead-based analysis of cytokines and soluble proteins in archived lithium heparin plasma, EDTA plasma and serum samples. Scandinavian Journal of Clinical and Laboratory Investigation, 2016, 76, 601-611.	0.6	21
36	A prognostic profile of hypoxia-induced genes for localised high-grade soft tissue sarcoma. British Journal of Cancer, 2016, 115, 1096-1104.	2.9	10

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37	Hypoxia-regulated MicroRNAs in Gastroesophageal Cancer. Anticancer Research, 2016, 36, 721-30.	0.5	4
38	Differential protein expression of peroxiredoxinâ€1 in classical Hodgkin Lymphoma: a possible correlation to clinical behaviour. Hematological Oncology, 2015, 33, 253-255.	0.8	2
39	The usability of a 15-gene hypoxia classifier as a universal hypoxia profile in various cancer cell types. Radiotherapy and Oncology, 2015, 116, 346-351.	0.3	26
40	Relative biological effectiveness of carbon ions for tumor control, acute skin damage and late radiation-induced fibrosis in a mouse model. Acta OncolÃ³gica, 2015, 54, 1623-1630.	0.8	37
41	Simultaneous Hypoxia and Low Extracellular pH Suppress Overall Metabolic Rate and Protein Synthesis In Vitro. PLoS ONE, 2015, 10, e0134955.	1.1	19
42	The Importance of Reference Gene Analysis of Formalin-Fixed, Paraffin-Embedded Samples from Sarcoma Patients â€" An Often Underestimated Problem. Translational Oncology, 2014, 7, 687-693.	1.7	15
43	LET-painting increases tumour control probability in hypoxic tumours. Acta OncolÃ³gica, 2014, 53, 25-32.	0.8	112
44	Formation of radical anions of radiosensitizers and related model compounds via electrospray ionization. International Journal of Mass Spectrometry, 2014, 365-366, 56-63.	0.7	28
45	Hypomethylation and increased expression of the putative oncogene ELMO3 are associated with lung cancer development and metastases formation. Oncoscience, 2014, 1, 367-374.	0.9	71
46	Effect of radiation on cell proliferation and tumor hypoxia in HPV-positive head and neck cancer in vivo models. Anticancer Research, 2014, 34, 6297-304.	0.5	14
47	Identification of accurate reference genes for RT-qPCR analysis of formalin-fixed paraffin-embedded tissue from primary Non-Small Cell Lung Cancers and brain and lymph node metastases. Lung Cancer, 2013, 81, 180-186.	0.9	38
48	Radiosensitivity and effect of hypoxia in HPV positive head and neck cancer cells. Radiotherapy and Oncology, 2013, 108, 500-505.	0.3	95
49	In response to the commentary â€˜Particle species dependence of cell survival relative biological effectiveness: Evident and not negligibleâ€™ by Thomas Friedrich, Marco Durante & Michael Scholz. Acta OncolÃ³gica, 2013, 52, 591-591.	0.8	2
50	Optimal Reference Genes for Normalization of qRT-PCR Data from Archival Formalin-fixed, Paraffin-embedded Breast Tumors Controlling for Tumor Cell Content and Decay of mRNA. Diagnostic Molecular Pathology, 2013, 22, 181-187.	2.1	22
51	Gene expression classifier predicts for hypoxic modification of radiotherapy with nimorazole in squamous cell carcinomas of the head and neck. Radiotherapy and Oncology, 2012, 102, 122-129.	0.3	196
52	A community call for a dedicated radiobiological research facility to support particle beam cancer therapy. Radiotherapy and Oncology, 2012, 105, 1-3.	0.3	28
53	FAZA PET/CT hypoxia imaging in patients with squamous cell carcinoma of the head and neck treated with radiotherapy: Results from the DAHANCA 24 trial. Radiotherapy and Oncology, 2012, 105, 14-20.	0.3	266
54	Hypoxia Gene Expression Signatures as Prognostic and Predictive Markers in Head and Neck Radiotherapy. Seminars in Radiation Oncology, 2012, 22, 119-127.	1.0	66

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55	In vitro RBE-LET dependence for multiple particle types. Acta OncolÃ³gica, 2011, 50, 757-762.	0.8	107
56	Dependence of cell survival on instantaneous dose rate of a linear accelerator. Radiotherapy and Oncology, 2011, 101, 223-225.	0.3	55
57	In vivo Identification and Specificity assessment of mRNA markers of hypoxia in human and mouse tumors. BMC Cancer, 2011, 11, 63.	1.1	12
58	Development of a Hypoxia Gene Expression Classifier with Predictive Impact for Hypoxic Modification of Radiotherapy in Head and Neck Cancer. Cancer Research, 2011, 71, 5923-5931.	0.4	226
59	Identifying pH independent hypoxia induced genes in human squamous cell carcinomasin vitro. Acta OncolÃ³gica, 2010, 49, 895-905.	0.8	88
60	Proteins upregulated by mild and severe hypoxia in squamous cell carcinomas in vitro identified by proteomics. Radiotherapy and Oncology, 2009, 92, 443-449.	0.3	35
61	Antiproton radiotherapy. Radiotherapy and Oncology, 2008, 86, 14-19.	0.3	27
62	The impact of hypoxia on the activity of lactate dehydrogenase in two different pre-clinical tumour models. Acta OncolÃ³gica, 2008, 47, 941-947.	0.8	22
63	Hypoxia induced expression of endogenous markers in vitro is highly influenced by pH. Radiotherapy and Oncology, 2007, 83, 362-366.	0.3	63
64	Molecular characterization and expression of maternally expressed gene 3 (Meg3/Gtl2) RNA in the mouse inner ear. Journal of Neuroscience Research, 2006, 83, 181-190.	1.3	24
65	Influence of oxygen concentration and pH on expression of hypoxia induced genes. Radiotherapy and Oncology, 2005, 76, 187-193.	0.3	111