

Kathrine RÃe Redalen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2956253/publications.pdf>

Version: 2024-02-01

54
papers

914
citations

394421

19
h-index

526287

27
g-index

55
all docs

55
docs citations

55
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative imaging for radiotherapy purposes. <i>Radiotherapy and Oncology</i> , 2020, 146, 66-75.	0.6	71
2	An experimental strategy unveiling exosomal microRNAs 486â€5p, 181â€5p and 30dâ€5p from hypoxic tumour cells as circulating indicators of highâ€risk rectal cancer. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1567219.	12.2	68
3	Circulating Exosomal miR-141-3p and miR-375 in Metastatic Progression of Rectal Cancer. <i>Translational Oncology</i> , 2019, 12, 1038-1044.	3.7	39
4	Immunogenic cell death by neoadjuvant oxaliplatin and radiation protects against metastatic failure in high-risk rectal cancer. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 355-364.	4.2	35
5	Hypoxia imaging and theranostic potential of [64Cu][Cu(ATSM)] and ionic Cu(II) salts: a review of current evidence and discussion of the retention mechanisms. <i>EJNMMI Research</i> , 2020, 10, 33.	2.5	34
6	Diffusion-weighted magnetic resonance imaging of rectal cancer: tumour volume and perfusion fraction predict chemoradiotherapy response and survival. <i>Acta OncolÃ³gica</i> , 2017, 56, 813-818.	1.8	33
7	Inhibitory effects of oxaliplatin in experimental radiation treatment of colorectal carcinoma: does oxaliplatin improve 5-fluorouracil-dependent radiosensitivity?. <i>Radiotherapy and Oncology</i> , 2008, 86, 428-434.	0.6	31
8	Personalized radiotherapy: concepts, biomarkers and trial design. <i>British Journal of Radiology</i> , 2015, 88, 20150009.	2.2	31
9	Differential Inhibition of Ex-Vivo Tumor Kinase Activity by Vemurafenib in BRAF(V600E) and BRAF Wild-Type Metastatic Malignant Melanoma. <i>PLoS ONE</i> , 2013, 8, e72692.	2.5	28
10	Noninvasive monitoring of radiation-induced treatment response using proton magnetic resonance spectroscopy and diffusion-weighted magnetic resonance imaging in a colorectal tumor model. <i>Radiotherapy and Oncology</i> , 2007, 85, 187-194.	0.6	27
11	Preclinical dynamic ¹⁸ F-FDG PET â€ tumor characterization and radiotherapy response assessment by kinetic compartment analysis. <i>Acta OncolÃ³gica</i> , 2010, 49, 914-921.	1.8	27
12	Learning radiation oncology in Europe: Results of the ESTRO multidisciplinary survey. <i>Clinical and Translational Radiation Oncology</i> , 2018, 9, 61-67.	1.7	26
13	Systemic immune response induced by oxaliplatin-based neoadjuvant therapy favours survival without metastatic progression in high-risk rectal cancer. <i>British Journal of Cancer</i> , 2018, 118, 1322-1328.	6.4	26
14	Early Changes in Apparent Diffusion Coefficient Predict the Quantitative Antitumoral Activity of Capecitabine, Oxaliplatin, and Irradiation in HT29 Xenografts in Athymic Nude Mice. <i>Neoplasia</i> , 2007, 9, 392-400.	5.3	25
15	MRI volumetry for prediction of tumour response to neoadjuvant chemotherapy followed by chemoradiotherapy in locally advanced rectal cancer. <i>British Journal of Radiology</i> , 2015, 88, 20150097.	2.2	24
16	High tumor glycine concentration is an adverse prognostic factor in locally advanced rectal cancer. <i>Radiotherapy and Oncology</i> , 2016, 118, 393-398.	0.6	24
17	Professional quality of life and burnout among medical physicists working in radiation oncology: The role of alexithymia and empathy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 38-43.	2.9	22
18	Professional quality of life and burnout amongst radiation oncologists: The impact of alexithymia and empathy. <i>Radiotherapy and Oncology</i> , 2020, 147, 162-168.	0.6	22

#	ARTICLE	IF	CITATIONS
19	Dynamic multi-echo DCE- and DSC-MRI in rectal cancer: Low primary tumor K^{trans} and $^{\text{T}}R2^*$ peak are significantly associated with lymph node metastasis. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 194-206.	3.4	21
20	From multisource data to clinical decision aids in radiation oncology: The need for a clinical data science community. <i>Radiotherapy and Oncology</i> , 2020, 153, 43-54.	0.6	20
21	Early increase in circulating carbonic anhydrase IX during neoadjuvant treatment predicts favourable outcome in locally advanced rectal cancer. <i>BMC Cancer</i> , 2015, 15, 543.	2.6	18
22	Use of non-invasive imaging to monitor response to aflibercept treatment in murine models of colorectal cancer liver metastases. <i>Clinical and Experimental Metastasis</i> , 2017, 34, 51-62.	3.3	16
23	Markers of Mitochondrial Metabolism in Tumor Hypoxia, Systemic Inflammation, and Adverse Outcome of Rectal Cancer. <i>Translational Oncology</i> , 2019, 12, 76-83.	3.7	16
24	Tumor phosphatidylinositol 3-kinase signaling in therapy resistance and metastatic dissemination of rectal cancer: Opportunities for signaling-adapted therapies. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 95, 114-124.	4.4	15
25	MRI-based automatic segmentation of rectal cancer using 2D U-Net on two independent cohorts. <i>Acta Oncologica</i> , 2022, 61, 255-263.	1.8	15
26	Sex Differences and Tumor Blood Flow from Dynamic Susceptibility Contrast MRI Are Associated with Treatment Response after Chemoradiation and Long-term Survival in Rectal Cancer. <i>Radiology</i> , 2020, 297, 352-360.	7.3	14
27	Hypoxic Tumor Kinase Signaling Mediated by STAT5A in Development of Castration-Resistant Prostate Cancer. <i>PLoS ONE</i> , 2013, 8, e63723.	2.5	14
28	Systemic release of osteoprotegerin during oxaliplatin-containing induction chemotherapy and favorable systemic outcome of sequential radiotherapy in rectal cancer. <i>Oncotarget</i> , 2016, 7, 34907-34917.	1.8	14
29	Longitudinal Magnetic Resonance Imaging-Based Assessment of Vascular Changes and Radiation Response in Androgen-Sensitive Prostate Carcinoma Xenografts under Androgen-Exposed and Androgen-Deprived Conditions. <i>Neoplasia</i> , 2010, 12, 818-825.	5.3	12
30	High level of circulating vitamin D during neoadjuvant therapy may lower risk of metastatic progression in high-risk rectal cancer. <i>BMC Cancer</i> , 2019, 19, 488.	2.6	11
31	The role of alexithymia and empathy on radiation therapists' professional quality of life. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2020, 15, 29-36.	1.9	11
32	The 3rd ESTRO-EFOMP core curriculum for medical physics experts in radiotherapy. <i>Radiotherapy and Oncology</i> , 2022, 170, 89-94.	0.6	11
33	Hypoxia regulates Notch-3 mRNA and receptor activation in prostate cancer cells. <i>Heliyon</i> , 2016, 2, e00104.	3.2	10
34	Comparison of Intravoxel incoherent motion imaging and multiecho dynamic contrast-enhanced MRI in rectal cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1114-1124.	3.4	10
35	Sulfamate inhibitor S4 influences carbonic anhydrase IX ectodomain shedding in colorectal carcinoma cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 779-786.	5.2	9
36	Sex-related differences in primary metastatic site in rectal cancer; associated with hemodynamic factors?. <i>Clinical and Translational Radiation Oncology</i> , 2020, 21, 5-10.	1.7	8

#	ARTICLE	IF	CITATIONS
37	The circulating soluble form of the CD40 costimulatory immune checkpoint receptor and liver metastasis risk in rectal cancer. <i>British Journal of Cancer</i> , 2021, 125, 240-246.	6.4	8
38	Dynamic contrast enhanced magnetic resonance imaging of bladder cancer and implications for biological image-adapted radiotherapy. <i>Acta Oncologica</i> , 2008, 47, 1257-1264.	1.8	7
39	Dynamic ¹⁸ F-FDG PET for Assessment of Tumor Physiology in Two Breast Carcinoma Xenografts. <i>Nuclear Medicine and Molecular Imaging</i> , 2013, 47, 173-180.	1.0	7
40	Individual tumor volume responses to short-course oxaliplatin-containing induction chemotherapy in locally advanced rectal cancer – Targeting the tumor for radiation sensitivity?. <i>Radiotherapy and Oncology</i> , 2016, 119, 505-511.	0.6	7
41	Biomarkers of Histone Deacetylase Inhibitor Activity in a Phase 1 Combined-Modality Study with Radiotherapy. <i>PLoS ONE</i> , 2014, 9, e89750.	2.5	7
42	Pro-survival responses to the dual inhibition of anti-apoptotic Bcl-2 family proteins and mTOR-mediated signaling in hypoxic colorectal carcinoma cells. <i>BMC Cancer</i> , 2016, 16, 531.	2.6	6
43	Development of an automated production process of [⁶⁴ Cu][Cu (ATSM)] for positron emission tomography imaging and theranostic applications. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2022, 65, 191-202.	1.0	6
44	Alexithymia and professional quality of life in radiation oncology: The moderator effect of the professional profile. <i>Radiotherapy and Oncology</i> , 2021, 158, 48-54.	0.6	5
45	Professional practice changes in radiotherapy physics during the COVID-19 pandemic. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 19, 25-32.	2.9	5
46	Induction of Apoptosis in Intestinal Toxicity to a Histone Deacetylase Inhibitor in a Phase I Study with Pelvic Radiotherapy. <i>Cancer Research and Treatment</i> , 2017, 49, 374-386.	3.0	4
47	Future directions on the merge of quantitative imaging and artificial intelligence in radiation oncology. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 44-45.	2.9	3
48	Semi-automatic tumor segmentation of rectal cancer based on functional magnetic resonance imaging. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 77-84.	2.9	3
49	Uptake of circulating extracellular vesicles from rectal cancer patients and differential responses by human monocyte cultures. <i>FEBS Open Bio</i> , 2021, 11, 724-740.	2.3	2
50	Large-scale reduction of tyrosine kinase activities in human monocytes stimulated in vitro with <i>N. meningitidis</i> . <i>PLoS ONE</i> , 2018, 13, e0181912.	2.5	2
51	Five years, 20 volumes and 300 publications of <i>Physics and Imaging in Radiation Oncology</i> . <i>Physics and Imaging in Radiation Oncology</i> , 2022, 21, 123-125.	2.9	2
52	Sex disparities in vitamin D status and the impact on systemic inflammation and survival in rectal cancer. <i>BMC Cancer</i> , 2021, 21, 535.	2.6	0
53	Circulating vitamin D during neoadjuvant therapy in high-risk rectal cancer.. <i>Journal of Clinical Oncology</i> , 2018, 36, e15532-e15532.	1.6	0
54	Strength training reduces radiation-induced bone deterioration and maintains lean mass in a rat model. <i>Bone Reports</i> , 2022, 16, 101369.	0.4	0