

# BÃ¼lent Polat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9420567/publications.pdf>

Version: 2024-02-01

79  
papers

3,069  
citations

218677

26  
h-index

161849

54  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemoradiotherapy Plus Induction or Consolidation Chemotherapy as Total Neoadjuvant Therapy for Patients With Locally Advanced Rectal Cancer. <i>JAMA Oncology</i> , 2022, 8, e215445.	7.1	127
2	Adherence to Contouring and Treatment Planning Requirements Within a Multicentric Trial: Results of the Quality Assurance of the SAKK 09/10 trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 80-91.	0.8	5
3	Differences in stem cell marker and osteopontin expression in primary and recurrent glioblastoma. <i>Cancer Cell International</i> , 2022, 22, 87.	4.1	8
4	Comparing Iridium-192 with Cobalt-60 sources in high-dose-rate brachytherapy boost for localized prostate cancer. <i>Acta Oncologica</i> , 2022, 61, 714-719.	1.8	1
5	Propensity score-matched analysis comparing dose-escalated intensity-modulated radiation therapy versus external beam radiation therapy plus high-dose-rate brachytherapy for localized prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2022, , 1.	2.0	4
6	Pasotuxizumab, a BiTE immune therapy for castration-resistant prostate cancer: Phase I, dose-escalation study findings. <i>Immunotherapy</i> , 2021, 13, 125-141.	2.0	72
7	Moderately hypofractionated radiotherapy for localized prostate cancer: updated long-term outcome and toxicity analysis. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 124-132.	2.0	11
8	Quality of life in rectal cancer patients with or without oxaliplatin in the randomised CAO/ARO/AIO-04 phase 3 trial. <i>European Journal of Cancer</i> , 2021, 144, 281-290.	2.8	6
9	Chemoradiotherapy by intensity-modulated radiation therapy with simultaneous integrated boost in locally advanced or oligometastatic non-small-cell lung cancer: a two center experience. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 405-415.	2.0	2
10	Salvage Mastectomy Versus Second Conservative Treatment for Second Ipsilateral Breast Tumor Event: A Propensity Score-Matched Cohort Analysis of the GEC-ESTRO Breast Cancer Working Group Database. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 452-461.	0.8	30
11	Comparison of treatment plans for hypofractionated high-dose prostate cancer radiotherapy using the Varian Halcyon and the Elekta Synergy platforms. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 262-270.	1.9	3
12	Cone beam CT-based dose accumulation and analysis of delivered dose to the dominant intraprostatic lesion in primary radiotherapy of prostate cancer. <i>Radiation Oncology</i> , 2021, 16, 205.	2.7	11
13	Comparison of sliding window and field-in-field techniques for tangential whole breast irradiation using the Halcyon and Synergy Agility systems. <i>Radiation Oncology</i> , 2021, 16, 213.	2.7	3
14	Predictors for the utilization of social service counseling by prostate cancer patients. <i>Supportive Care in Cancer</i> , 2021, , 1.	2.2	1
15	Two-Weekly High-Dose-Rate Brachytherapy Boost After External Beam Radiotherapy for Localized Prostate Cancer: Long-Term Outcome and Toxicity Analysis. <i>Frontiers in Oncology</i> , 2021, 11, 764536.	2.8	2
16	The role of beam density and arrangement in non-coplanar IMRT exemplified by the irradiation of brain tumors – Parallels to computed tomographic imaging. <i>Physica Medica</i> , 2021, , .	0.7	0
17	RADIANCE – Radiochemotherapy with or without Durvalumab in the treatment of anal squamous cell carcinoma: A randomized multicenter phase II trial. <i>Clinical and Translational Radiation Oncology</i> , 2020, 23, 43-49.	1.7	16
18	Feasibility of 4D T2* quantification in the lung with oxygen gas challenge in patients with non-small cell lung cancer. <i>Physica Medica</i> , 2020, 72, 46-51.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Evaluation of intrafraction prostate motion tracking using the Clarity Autoscan system for safety margin validation. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 135-141.	1.5	8
20	Non-rigid image registration of 4D-MRI data for improved delineation of moving tumors. <i>BMC Medical Imaging</i> , 2020, 20, 41.	2.7	4
21	T-Staging and Target Volume Definition by Imaging in GI Tumors. <i>Medical Radiology</i> , 2020, , 203-220.	0.1	0
22	Patient-Reported Outcomesâ€“Secondary Analysis of the SCORE-2 Trial Comparing 4 Gy Ã– 5 to 3 Gy Ã– 10 for Metastatic Epidural Spinal Cord Compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 760-764.	0.8	9
23	Impact of beam configuration on VMAT plan quality for Pinnacle3Auto-Planning for head and neck cases. <i>Radiation Oncology</i> , 2019, 14, 12.	2.7	7
24	Accelerated hyperfractionated radiochemotherapy with temozolomide is equivalent to normofractionated radiochemotherapy in a retrospective analysis of patients with glioblastoma. <i>Radiation Oncology</i> , 2019, 14, 227.	2.7	6
25	The Radiosensitizing Effect of Zinc Oxide Nanoparticles in Sub-Cytotoxic Dosing Is Associated with Oxidative Stress In Vitro. <i>Materials</i> , 2019, 12, 4062.	2.9	6
26	Properties of the anisotropy of dose contributions: A planning study on prostate cases. <i>Medical Physics</i> , 2019, 46, 419-425.	3.0	0
27	Hypoxia induces differential expression patterns of osteopontin and CD44 in colorectal carcinoma. <i>Oncology Reports</i> , 2018, 39, 442-448.	2.6	10
28	Quality-of-life results for accelerated partial breast irradiation with interstitial brachytherapy versus whole-breast irradiation in early breast cancer after breast-conserving surgery (GEC-ESTRO): 5-year results of a randomised, phase 3 trial. <i>Lancet Oncology</i> , The, 2018, 19, 834-844.	10.7	102
29	Clinical outcome of concomitant vs interrupted BRAF inhibitor therapy during radiotherapy in melanoma patients. <i>British Journal of Cancer</i> , 2018, 118, 785-792.	6.4	34
30	Stable and efficient retrospective 4D-MRI using non-uniformly distributed quasi-random numbers. <i>Physics in Medicine and Biology</i> , 2018, 63, 075002.	3.0	15
31	Impact of dose intensified salvage radiation therapy on urinary continence recovery after radical prostatectomy: Results of the randomized trial SAKK 09/10. <i>Radiotherapy and Oncology</i> , 2018, 126, 257-262.	0.6	19
32	Combination of salinomycin and radiation effectively eliminates head and neck squamous cell carcinoma cells in Ã–vitro. <i>Oncology Reports</i> , 2018, 39, 1991-1998.	2.6	3
33	MAGE-A9 in head and neck cancer: Prognostic value and preclinical findings in the context of irradiation. <i>Molecular and Clinical Oncology</i> , 2018, 8, 513-519.	1.0	3
34	Desynchronization of Cartesian kâ€“space sampling and periodic motion for improved retrospectively selfâ€“gated 3D lung MRI using quasiâ€“random numbers. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 787-793.	3.0	8
35	Late side-effects and cosmetic results of accelerated partial breast irradiation with interstitial brachytherapy versus whole-breast irradiation after breast-conserving surgery for low-risk invasive and in-situ carcinoma of the female breast: 5-year results of a randomised, controlled, phase 3 trial. <i>Lancet Oncology</i> , The, 2017, 18, 259-268.	10.7	220
36	Perioperative changes in osteopontin and TGFÎ²1 plasma levels and their prognostic impact for radiotherapy in head and neck cancer. <i>BMC Cancer</i> , 2017, 17, 6.	2.6	4

#	ARTICLE	IF	CITATIONS
37	Evaluation of a software module for adaptive treatment planning and re-irradiation. <i>Radiation Oncology</i> , 2017, 12, 205.	2.7	8
38	<sup>68</sup> Ga-PSMA-PET/CT in Patients With Biochemical Prostate Cancer Recurrence and Negative <sup>18</sup> F-Choline-PET/CT. <i>Clinical Nuclear Medicine</i> , 2016, 41, 515-521.	1.3	165
39	GEC-ESTRO multicenter phase 3-trial: Accelerated partial breast irradiation with interstitial multicatheter brachytherapy versus external beam whole breast irradiation: Early toxicity and patient compliance. <i>Radiotherapy and Oncology</i> , 2016, 120, 119-123.	0.6	90
40	Initial results for patient setup verification using transperineal ultrasound and cone beam CT in external beam radiation therapy of prostate cancer. <i>Radiation Oncology</i> , 2016, 11, 147.	2.7	11
41	Changes in penile bulb dose when using the Clarity transperineal ultrasound probe: A planning study. <i>Practical Radiation Oncology</i> , 2016, 6, e337-e344.	2.1	6
42	5-year results of accelerated partial breast irradiation using sole interstitial multicatheter brachytherapy versus whole-breast irradiation with boost after breast-conserving surgery for low-risk invasive and in-situ carcinoma of the female breast: a randomised, phase 3, non-inferiority trial. <i>Lancet, The</i> , 2016, 387, 229-238.	13.7	578
43	Influence of hypoxia and irradiation on osteopontin expression in head and neck cancer and glioblastoma cell lines. <i>Radiation Oncology</i> , 2015, 10, 167.	2.7	12
44	A prospective study on histone $\gamma$ -H2AX and 53BP1 foci expression in rectal carcinoma patients: correlation with radiation therapy-induced outcome. <i>BMC Cancer</i> , 2015, 15, 856.	2.6	21
45	Distinct increased outliers among 136 rectal cancer patients assessed by $\gamma$ -H2AX. <i>Radiation Oncology</i> , 2015, 10, 36.	2.7	10
46	Tumour delineation in oesophageal cancer – A prospective study of delineation in PET and CT with and without endoscopically placed clip markers. <i>Radiotherapy and Oncology</i> , 2015, 116, 269-275.	0.6	23
47	Actin cytoskeleton organization, cell surface modification and invasion rate of 5 glioblastoma cell lines differing in PTEN and p53 status. <i>Experimental Cell Research</i> , 2015, 330, 346-357.	2.6	28
48	O-(2-[ <sup>18</sup> F]fluoroethyl)-l-tyrosine uptake is an independent prognostic determinant in patients with glioma referred for radiation therapy. <i>Annals of Nuclear Medicine</i> , 2014, 28, 154-162.	2.2	9
49	Generation of prostate IMAT plans adaptable to the inter-fractional changes of patient geometry. <i>Physics in Medicine and Biology</i> , 2014, 59, 1947-1962.	3.0	3
50	Novel PI3K and mTOR Inhibitor NVP-BEZ235 Radiosensitizes Breast Cancer Cell Lines under Normoxic and Hypoxic Conditions. <i>Breast Cancer: Basic and Clinical Research</i> , 2014, 8, BCBCR.S13693.	1.1	35
51	Radiosensitivity in breast cancer assessed by the histone $\gamma$ -H2AX and 53BP1 foci. <i>Radiation Oncology</i> , 2013, 8, 98.	2.7	62
52	Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3949-3957.	3.0	51
53	Studies on the role of osteopontin-1 in endometrial cancer cell lines. <i>Strahlentherapie Und Onkologie</i> , 2013, 189, 1040-1048.	2.0	7
54	Influence of osteopontin silencing on survival and migration of lung cancer cells. <i>Strahlentherapie Und Onkologie</i> , 2013, 189, 62-67.	2.0	10

#	ARTICLE	IF	CITATIONS
55	Radiosensitization of Glioblastoma Cell Lines by the Dual PI3K and mTOR Inhibitor NVP-BEZ235 Depends on Drug-Irradiation Schedule. <i>Translational Oncology</i> , 2013, 6, 169-IN16.	3.7	51
56	Towards automated on-line adaptation of 2-Step IMRT plans: QUASIMODO phantom and prostate cancer cases. <i>Radiation Oncology</i> , 2013, 8, 263.	2.7	4
57	Hsp90 inhibitor NVP-AUY922 enhances radiation sensitivity of tumor cell lines under hypoxia. <i>Cancer Biology and Therapy</i> , 2012, 13, 425-434.	3.4	22
58	Micronucleus formation kinetics in buccal mucosa cells of head and neck cancer patients undergoing radiotherapy. <i>Toxicology Letters</i> , 2012, 212, 33-37.	0.8	13
59	Hsp90 Inhibitors NVP-AUY922 and NVP-BEP800 May Exert a Significant Radiosensitization on Tumor Cells along with a Cell Type-Specific Cytotoxicity. <i>Translational Oncology</i> , 2012, 5, 356-IN16.	3.7	20
60	A multi-institution evaluation of deformable image registration algorithms for automatic organ delineation in adaptive head and neck radiotherapy. <i>Radiation Oncology</i> , 2012, 7, 90.	2.7	78
61	Gene expression inhibition of N-Myc downregulated gene 1 (NDRG1) monitoring and facilitation via transfectional transfer of NDRG1-siRNA constructs into- in vitro-cultured human glioblastoma cells. , 2011, , .		0
62	Toxicity after Intensity-Modulated, Image-Guided Radiotherapy for Prostate Cancer. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 535-543.	2.0	58
63	Semi-robotic 6 degree of freedom positioning for intracranial high precision radiotherapy; first phantom and clinical results. <i>Radiation Oncology</i> , 2010, 5, 42.	2.7	26
64	Modulation of Carbonic Anhydrase 9 (CA9) in Human Brain Cancer. <i>Current Pharmaceutical Design</i> , 2010, 16, 3288-3299.	1.9	49
65	The cohesin-interacting protein, precocious dissociation of sisters 5A/sister chromatid cohesion protein 112, is up-regulated in human astrocytic tumors. <i>International Journal of Molecular Medicine</i> , 2010, 27, 39-51.	4.0	12
66	Doseâ€“response relationship for radiation-induced pneumonitis after pulmonary stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2010, 97, 65-70.	0.6	147
67	Absence of GAPDH regulation in tumor-cells of different origin under hypoxic conditions in â€“ vitro. <i>BMC Research Notes</i> , 2009, 2, 8.	1.4	32
68	Radiotherapy in adrenocortical carcinoma. <i>Cancer</i> , 2009, 115, 2816-2823.	4.1	165
69	Is ad-hoc plan adaptation based on 2-Step IMRT feasible?. <i>Radiotherapy and Oncology</i> , 2009, 93, 266-272.	0.6	12
70	MO-D-BRB-09: IMRT Ad-Hoc Adaption - Initial Results for Prostate: A Retrospective Planning Study. <i>Medical Physics</i> , 2009, 36, 2694-2694.	3.0	0
71	Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy (IMRT) of prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 668-673.	2.0	51
72	Influence of retrospective sorting on image quality in respiratory correlated computed tomography. <i>Radiotherapy and Oncology</i> , 2007, 85, 223-231.	0.6	39

#	ARTICLE	IF	CITATIONS
73	Modulation of Glucose Metabolism Inhibits Hypoxic Accumulation of Hypoxia-Inducible Factor-1 $\alpha$ (HIF-1 $\alpha$ ). <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 366-373.	2.0	31
74	Nonrigid Patient Setup Errors in the Head-and-Neck Region. <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 506-511.	2.0	59
75	Efficacy of Adjuvant Radiotherapy of the Tumor Bed on Local Recurrence of Adrenocortical Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4501-4504.	3.6	224
76	Triplex-forming oligodeoxynucleotides targeting survivin inhibit proliferation and induce apoptosis of human lung carcinoma cells. <i>Cancer Gene Therapy</i> , 2003, 10, 403-410.	4.6	39
77	Targeting bcl-2 by Triplex-Forming Oligonucleotide—A Promising Carrier for Gene—Radiotherapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2003, 18, 17-26.	1.0	17
78	Oxygen-dependent regulation of NDRG1 in human glioblastoma cells in vitro and in vivo. <i>Oncology Reports</i> , 1994, 21, 237.	2.6	15
79	Rapid detection of the hypoxia-regulated CA-IX and NDRG1 gene expression in different glioblastoma cells in vitro. <i>Oncology Reports</i> , 1994, 20, 413.	2.6	9