

Martin N Pruschy

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

3,768
citations

147566

31
h-index

133063

59
g-index

99
all docs

99
docs citations

99
times ranked

5555
citing authors

#	ARTICLE	IF	CITATIONS
1	Ganetespib selectively sensitizes cancer cells for proximal and distal spread-out Bragg peak proton irradiation. <i>Radiation Oncology</i> , 2022, 17, 72.	1.2	2
2	Radiation-induced lymphopenia does not impact treatment efficacy in a mouse tumor model. <i>Neoplasia</i> , 2022, 31, 100812.	2.3	6
3	Paracrine Placental Growth Factor Signaling in Response to Ionizing Radiation Is p53-Dependent and Contributes to Radioresistance. <i>Molecular Cancer Research</i> , 2021, 19, 1051-1062.	1.5	3
4	Combined Radiochemotherapy: Metalloproteinases Revisited. <i>Frontiers in Oncology</i> , 2021, 11, 676583.	1.3	7
5	Systematic Review on the Association of Radiomics with Tumor Biological Endpoints. <i>Cancers</i> , 2021, 13, 3015.	1.7	11
6	Fenretinide Acts as Potent Radiosensitizer for Treatment of Rhabdomyosarcoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 664462.	1.3	2
7	Interfering with Tumor Hypoxia for Radiotherapy Optimization. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 197.	3.5	70
8	Tumor Oxygenation by Myo-Inositol Trispyrophosphate Enhances Radiation Response. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1222-1233.	0.4	11
9	The ADAM17-directed Inhibitory Antibody MEDI3622 Antagonizes Radiotherapy-induced VEGF Release and Sensitizes Non-“Small Cell Lung Cancer for Radiotherapy. <i>Cancer Research Communications</i> , 2021, 1, 164-177.	0.7	7
10	The relative biological effectiveness of proton irradiation in dependence of DNA damage repair. <i>British Journal of Radiology</i> , 2020, 93, 20190494.	1.0	10
11	Evaluation of ¹⁸ F-FDG PET/CT as an early imaging biomarker for response monitoring after radiochemotherapy using cetuximab in head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2020, 42, 163-170.	0.9	7
12	Consolidation cetuximab after concurrent triplet radiochemotherapy+cetuximab in patients with advanced head and neck cancer: A randomized phase II study. <i>Radiotherapy and Oncology</i> , 2020, 150, 62-69.	0.3	3
13	Proton Irradiation Increases the Necessity for Homologous Recombination Repair Along with the Indispensability of Non-Homologous End Joining. <i>Cells</i> , 2020, 9, 889.	1.8	35
14	Probing spatiotemporal fractionation on the preclinical level. <i>Physics in Medicine and Biology</i> , 2020, 65, 22NT02.	1.6	3
15	Perfusion CT radiomics as potential prognostic biomarker in head and neck squamous cell carcinoma. <i>Acta OncolÃ³gica</i> , 2019, 58, 1514-1518.	0.8	10
16	PO-1070 Identification of biologically active factors in ionizing radiation regulated secretome. <i>Radiotherapy and Oncology</i> , 2019, 133, S595.	0.3	0
17	OC-0054 Tumor reoxygenation and image-guided SBRT for the treatment of murine colorectal liver metastases. <i>Radiotherapy and Oncology</i> , 2019, 133, S20.	0.3	0
18	Overview of research and therapy facilities for radiobiological experimental work in particle therapy. Report from the European Particle Therapy Network radiobiology group. <i>Radiotherapy and Oncology</i> , 2018, 128, 14-18.	0.3	21

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19	NKG2D-Dependent Antitumor Effects of Chemotherapy and Radiotherapy against Glioblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 882-895.	3.2	73
20	Targeting Tumor Microenvironment and Metabolism to Overcome Radiation Resistance. <i>Progress in Tumor Research</i> , 2018, , 25-40.	0.1	0
21	PO-1056: Deciphering the mechanism of ADAM17- mediated radioresistance in NSCLC. <i>Radiotherapy and Oncology</i> , 2018, 127, S592-S593.	0.3	1
22	Aberrant Lck Signal via CD28 Costimulation Augments Antigen-Specific Functionality and Tumor Control by Redirected T Cells with PD-1 Blockade in Humanized Mice. <i>Clinical Cancer Research</i> , 2018, 24, 3981-3993.	3.2	50
23	MAP4K4 controlled integrin β 1 activation and c-Met endocytosis are associated with invasive behavior of medulloblastoma cells. <i>Oncotarget</i> , 2018, 9, 23220-23236.	0.8	32
24	Combined Treatment Modalities for High-Energy Proton Irradiation: Exploiting Specific DNA Repair Dependencies. <i>International Journal of Particle Therapy</i> , 2018, 5, 133-139.	0.9	1
25	SP-0480: Secretome as novel target for lung cancer. <i>Radiotherapy and Oncology</i> , 2017, 123, S254.	0.3	0
26	The novel microtubule targeting agent BAL101553 in combination with radiotherapy in treatment-refractory tumor models. <i>Radiotherapy and Oncology</i> , 2017, 124, 433-438.	0.3	11
27	Post-radiochemotherapy PET radiomics in head and neck cancer – The influence of radiomics implementation on the reproducibility of local control tumor models. <i>Radiotherapy and Oncology</i> , 2017, 125, 385-391.	0.3	89
28	Tropomyosin receptor kinase C (TrkC) expression in medulloblastoma: relation to the molecular subgroups and impact on treatment response. <i>Child's Nervous System</i> , 2017, 33, 1463-1471.	0.6	7
29	The hypoxia-activated prodrug evofosfamide in combination with multiple regimens of radiotherapy. <i>Oncotarget</i> , 2017, 8, 23702-23712.	0.8	28
30	Age-associated and therapy-induced alterations in the cellular microenvironment of experimental gliomas. <i>Oncotarget</i> , 2017, 8, 87124-87135.	0.8	8
31	Hypoxia-Related Marker GLUT-1, CAIX, Proliferative Index and Microvessel Density in Canine Oral Malignant Neoplasia. <i>PLoS ONE</i> , 2016, 11, e0149993.	1.1	9
32	Secretome Signature Identifies ADAM17 as Novel Target for Radiosensitization of Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 4428-4439.	3.2	39
33	Combined Treatment Strategies for Microtubule Stabilizing Agent-Resistant Tumors. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	3.0	17
34	Complement Is a Central Mediator of Radiotherapy-Induced Tumor-Specific Immunity and Clinical Response. <i>Immunity</i> , 2015, 42, 767-777.	6.6	135
35	High dose rate and flattening filter free irradiation can be safely implemented in clinical practice. <i>International Journal of Radiation Biology</i> , 2015, 91, 778-785.	1.0	12
36	Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. <i>Radiotherapy and Oncology</i> , 2015, 116, 374-380.	0.3	92

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37	Tumor stage, tumor site and HPV dependent correlation of perfusion CT parameters and [18F]-FDG uptake in head and neck squamous cell carcinoma. <i>Radiotherapy and Oncology</i> , 2015, 117, 125-131.	0.3	18
38	Abstract C145: Targeted radiosensitization of non-small cell lung cancer (NSCLC) through ADAM17 inhibition. , 2015, , .		0
39	Abstract A185: Combined treatment strategies for microtubule interfering agent-resistant tumors. , 2015, , .		0
40	Abstract A163: The combined treatment modality of a hypoxia-activated prodrug (Evofosfamide) with ionizing radiation. , 2015, , .		0
41	Deficiency in Homologous Recombination Renders Mammalian Cells More Sensitive to Proton Versus Photon Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 175-181.	0.4	95
42	Ionizing radiation induces tumor cell lysyl oxidase secretion. <i>BMC Cancer</i> , 2014, 14, 532.	1.1	31
43	Hypoxia-Inducible Factor Pathway Inhibition Resolves Tumor Hypoxia and Improves Local Tumor Control After Single-Dose Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 159-166.	0.4	29
44	The microtubule stabilizer patupilone counteracts ionizing radiation-induced matrix metalloproteinase activity and tumor cell invasion. <i>Radiation Oncology</i> , 2013, 8, 105.	1.2	10
45	Impaired long-term memory retention: Common denominator for acutely or genetically reduced hippocampal neurogenesis in adult mice. <i>Behavioural Brain Research</i> , 2013, 252, 275-286.	1.2	38
46	Microtubule stabilising agents and ionising radiation: Multiple exploitable mechanisms for combined treatment. <i>European Journal of Cancer</i> , 2013, 49, 245-253.	1.3	18
47	Abstract B1: Radiotherapy promotes tumor-specific effector CD8+ T cells via DC activation.. , 2013, , .		16
48	Patupilone (Epothilone B) for Recurrent Glioblastoma: Clinical Outcome and Translational Analysis of a Single-Institution Phase I/II Trial. <i>Oncology</i> , 2012, 83, 1-9.	0.9	41
49	Radiotherapy Promotes Tumor-Specific Effector CD8+ T Cells via Dendritic Cell Activation. <i>Journal of Immunology</i> , 2012, 189, 558-566.	0.4	363
50	Starvation-induced activation of ATM/Chk2/p53 signaling sensitizes cancer cells to cisplatin. <i>BMC Cancer</i> , 2012, 12, 571.	1.1	104
51	Dynamics of Tumor Hypoxia in Response to Patupilone and Ionizing Radiation. <i>PLoS ONE</i> , 2012, 7, e51476.	1.1	13
52	Bioluminescence imaging for in vivo monitoring of local recurrence mesothelioma model. <i>Lung Cancer</i> , 2011, 71, 370-371.	0.9	4
53	Regulation of VEGF-expression by patupilone and ionizing radiation in lung adenocarcinoma cells. <i>Lung Cancer</i> , 2011, 73, 294-301.	0.9	10
54	Metabolism of tumors under treatment: Mapping of metabolites with quantitative bioluminescence. <i>Radiotherapy and Oncology</i> , 2011, 99, 398-403.	0.3	11

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55	Bone morphogenetic protein-7 is a MYC target with prosurvival functions in childhood medulloblastoma. <i>Oncogene</i> , 2011, 30, 2823-2835.	2.6	27
56	c-MYC expression sensitizes medulloblastoma cells to radio- and chemotherapy and has no impact on response in medulloblastoma patients. <i>BMC Cancer</i> , 2011, 11, 74.	1.1	22
57	MVP and vaults: a role in the radiation response. <i>Radiation Oncology</i> , 2011, 6, 148.	1.2	33
58	Ionizing radiation and inhibition of angiogenesis in a spontaneous mammary carcinoma and in a syngenic heterotopic allograft tumor model: a comparative study. <i>Radiation Oncology</i> , 2011, 6, 66.	1.2	6
59	The microtubule stabilizer patupilone (epothilone B) is a potent radiosensitizer in medulloblastoma cells. <i>Neuro-Oncology</i> , 2011, 13, 1000-1010.	0.6	32
60	Abstract 1347: BAL101553: An optimized prodrug of the microtubule destabilizer BAL27862 with superior antitumor activity. <i>Cancer Research</i> , 2011, 71, 1347-1347.	0.4	6
61	Substrate screening identifies a novel target sequence for the proteasomal activity regulated by ionizing radiation. <i>Proteomics</i> , 2010, 10, 304-314.	1.3	1
62	Role of the Microenvironment for Radiosensitization by Patupilone. <i>Clinical Cancer Research</i> , 2009, 15, 1335-1342.	3.2	15
63	RNA interference-mediated c-MYC inhibition prevents cell growth and decreases sensitivity to radio- and chemotherapy in childhood medulloblastoma cells. <i>BMC Cancer</i> , 2009, 9, 10.	1.1	38
64	Differential DNA Repair Mechanisms in Response to Proton and Photon Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, S19-S20.	0.4	0
65	Role of the Microenvironment and Tumor Hypoxia for Radiosensitization by Patupilone. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, S94-S95.	0.4	1
66	Abstract C233: BAL27862: A unique microtubule-targeted agent with a potential for the treatment of human brain tumors. , 2009, , .		2
67	Temperature sensitivity of phospho-Ser473-PKB/AKT. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 399-404.	1.0	20
68	Tumor Recovery by Angiogenic Switch from Sprouting to Intussusceptive Angiogenesis after Treatment with PTK787/ZK222584 or Ionizing Radiation. <i>American Journal of Pathology</i> , 2008, 173, 1173-1185.	1.9	113
69	Current Concepts for the Combined Treatment Modality of Ionizing Radiation with Anticancer Agents. <i>Current Pharmaceutical Design</i> , 2007, 13, 519-535.	0.9	25
70	Hypoxia modulation and radiosensitization by the novel dual EGFR and VEGFR inhibitor AEE788 in spontaneous and related allograft tumor models. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2496-2504.	1.9	20
71	HSV-1 amplicon-mediated post-transcriptional inhibition of Rad51 sensitizes human glioma cells to ionizing radiation. <i>Gene Therapy</i> , 2007, 14, 1143-1151.	2.3	22
72	Induction of plasminogen activator inhibitor type-1 (PAI-1) by hypoxia and irradiation in human head and neck carcinoma cell lines. <i>BMC Cancer</i> , 2007, 7, 143.	1.1	17

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73	Ionizing Radiation Antagonizes Tumor Hypoxia Induced by Antiangiogenic Treatment. <i>Clinical Cancer Research</i> , 2006, 12, 3518-3524.	3.2	54
74	G2/M cell cycle checkpoint is functional in cervical cancer patients after initiation of external beam radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 1390-1398.	0.4	12
75	Patupilone Acts as Radiosensitizing Agent in Multidrug-Resistant Cancer Cells In vitro and In vivo. <i>Clinical Cancer Research</i> , 2005, 11, 1588-1596.	3.2	42
76	Differential Activation of the Phosphatidylinositol 3-kinase/Akt Survival Pathway by Ionizing Radiation in Tumor and Primary Endothelial Cells. <i>Cancer Research</i> , 2004, 64, 5398-5406.	0.4	55
77	Degradation of PKB/Akt protein by inhibition of the VEGF receptor/mTOR pathway in endothelial cells. <i>Oncogene</i> , 2004, 23, 4624-4635.	2.6	70
78	Profiling treatment-specific post-translational modifications in a complex proteome with subtractive substrate phage display. <i>Proteomics</i> , 2004, 4, 2796-2804.	1.3	7
79	Novel radiosensitizers for locally advanced epithelial tumors: inhibition of the PI3K/Akt survival pathway in tumor cells and in tumor-associated endothelial cells as a novel treatment strategy?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 361-368.	0.4	12
80	Apoptosis-modulating agents in combination with radiotherapy—current status and outlook. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 542-554.	0.4	123
81	Recombinant mistletoe lectin induces p53-independent apoptosis in tumour cells and cooperates with ionising radiation. <i>British Journal of Cancer</i> , 2003, 88, 1785-1792.	2.9	53
82	p53 in rheumatoid arthritis synovial fibroblasts at sites of invasion. <i>Annals of the Rheumatic Diseases</i> , 2003, 62, 1139-1144.	0.5	35
83	Key targets for the execution of radiation-induced tumor cell apoptosis: the role of p53 and caspases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 561-567.	0.4	40
84	Effect of VEGF receptor inhibitor PTK787/ZK222548 combined with ionizing radiation on endothelial cells and tumour growth. <i>British Journal of Cancer</i> , 2001, 85, 2010-2016.	2.9	153
85	Overexpression of Bcl-2 enhances sensitivity of L929 cells to a lipophilic cationic photosensitizer. <i>Cell Death and Differentiation</i> , 2001, 8, 204-206.	5.0	6
86	Glucose and Palmitic Acid Induce Degeneration of Myofibrils and Modulate Apoptosis in Rat Adult Cardiomyocytes. <i>Diabetes</i> , 2001, 50, 2105-2113.	0.3	180
87	Ceramide triggers p53-dependent apoptosis in genetically defined fibrosarcoma tumour cells. <i>British Journal of Cancer</i> , 1999, 80, 693-698.	2.9	25
88	Ceramide Induces Cytochrome c Release from Isolated Mitochondria. <i>Journal of Biological Chemistry</i> , 1999, 274, 6080-6084.	1.6	240
89	Molecular mechanisms of radioresistance: Applications for head and neck cancer. <i>Zeitschrift Fur Medizinische Physik</i> , 1998, 8, 119-123.	0.6	1
90	The Proto-oncogene c-fos Mediates Apoptosis in Murine T-Lymphocytes Induced by Ionizing Radiation and Dexamethasone. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 519-524.	1.0	22

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91	Lateral clustering of the adhesive ectodomain: a fundamental determinant of cadherin function. <i>Current Biology</i> , 1997, 7, 308-315.	1.8	333
92	Recombinant Human Renin Produced in Different Expression Systems: Biochemical Properties and 3D Structure. <i>Protein Expression and Purification</i> , 1996, 7, 81-91.	0.6	22
93	Facilitated nuclear transport of calmodulin in tissue culture cells.. <i>Journal of Cell Biology</i> , 1994, 127, 1527-1536.	2.3	67
94	Mechanistic studies of a signaling pathway activated by the organic dimerizer FK1012. <i>Chemistry and Biology</i> , 1994, 1, 163-172.	6.2	61
95	Primary structure of the cAMP-dependent phosphorylation site of the plasma membrane calcium pump. <i>Biochemistry</i> , 1989, 28, 4253-4258.	1.2	142