Martin N Pruschy

List of Publications by Year
in descending order

95	3,768	147566	133063
papers	citations	31 h-index	59 g-index

99	99	99	5555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiotherapy Promotes Tumor-Specific Effector CD8+ T Cells via Dendritic Cell Activation. Journal of Immunology, 2012, 189, 558-566.	0.4	363
2	Lateral clustering of the adhesive ectodomain: a fundamental determinant of cadherin function. Current Biology, 1997, 7, 308-315.	1.8	333
3	Ceramide Induces Cytochrome c Release from Isolated Mitochondria. Journal of Biological Chemistry, 1999, 274, 6080-6084.	1.6	240
4	Glucose and Palmitic Acid Induce Degeneration of Myofibrils and Modulate Apoptosis in Rat Adult Cardiomyocytes. Diabetes, 2001, 50, 2105-2113.	0.3	180
5	Effect of VEGF receptor inhibitor PTK787/ZK222548 combined with ionizing radiation on endothelial cells and tumour growth. British Journal of Cancer, 2001, 85, 2010-2016.	2.9	153
6	Primary structure of the cAMP-dependent phosphorylation site of the plasma membrane calcium pump. Biochemistry, 1989, 28, 4253-4258.	1.2	142
7	Complement Is a Central Mediator of Radiotherapy-Induced Tumor-Specific Immunity and Clinical Response. Immunity, 2015, 42, 767-777.	6.6	135
8	Apoptosis-modulating agents in combination with radiotherapyâ€"current status and outlook. International Journal of Radiation Oncology Biology Physics, 2004, 58, 542-554.	0.4	123
9	Tumor Recovery by Angiogenic Switch from Sprouting to Intussusceptive Angiogenesis after Treatment with PTK787/ZK222584 or Ionizing Radiation. American Journal of Pathology, 2008, 173, 1173-1185.	1.9	113
10	Starvation-induced activation of ATM/Chk2/p53 signaling sensitizes cancer cells to cisplatin. BMC Cancer, 2012, 12, 571.	1.1	104
11	Deficiency in Homologous Recombination Renders Mammalian Cells More Sensitive to Proton Versus Photon Irradiation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 175-181.	0.4	95
12	Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. Radiotherapy and Oncology, 2015, 116, 374-380.	0.3	92
13	Post-radiochemotherapy PET radiomics in head and neck cancer â€“ The influence of radiomics implementation on the reproducibility of local control tumor models. Radiotherapy and Oncology, 2017, 125, 385-391.	0.3	89
14	NKG2D-Dependent Antitumor Effects of Chemotherapy and Radiotherapy against Glioblastoma. Clinical Cancer Research, 2018, 24, 882-895.	3.2	73
15	Degradation of PKB/Akt protein by inhibition of the VEGF receptor/mTOR pathway in endothelial cells. Oncogene, 2004, 23, 4624-4635.	2.6	70
16	Interfering with Tumor Hypoxia for Radiotherapy Optimization. Journal of Experimental and Clinical Cancer Research, 2021, 40, 197.	3.5	70
17	Facilitated nuclear transport of calmodulin in tissue culture cells.. Journal of Cell Biology, 1994, 127, 1527-1536.	2.3	67
18	Mechanistic studies of a signaling pathway activated by the organic dimerizer FK1012. Chemistry and Biology, 1994, 1, 163-172.	6.2	61

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19	Differential Activation of the Phosphatidylinositol 3â€²-Kinase/Akt Survival Pathway by Ionizing Radiation in Tumor and Primary Endothelial Cells. Cancer Research, 2004, 64, 5398-5406.	0.4	55
20	Ionizing Radiation Antagonizes Tumor Hypoxia Induced by Antiangiogenic Treatment. Clinical Cancer Research, 2006, 12, 3518-3524.	3.2	54
21	Recombinant mistletoe lectin induces p53-independent apoptosis in tumour cells and cooperates with ionising radiation. British Journal of Cancer, 2003, 88, 1785-1792.	2.9	53
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. Clinical Cancer Research, 2018, 24, 3981-3993.	3.2	50
23	Patupilone Acts as Radiosensitizing Agent in Multidrug-Resistant Cancer Cells In vitro and In vivo. Clinical Cancer Research, 2005, 11, 1588-1596.	3.2	42
24	Patupilone (Epothilone B) for Recurrent Glioblastoma: Clinical Outcome and Translational Analysis of a Single-Institution Phase I/II Trial. Oncology, 2012, 83, 1-9.	0.9	41
25	Key targets for the execution of radiation-induced tumor cell apoptosis: the role of p53 and caspases. International Journal of Radiation Oncology Biology Physics, 2001, 49, 561-567.	0.4	40
26	Secretome Signature Identifies ADAM17 as Novel Target for Radiosensitization of Nonâ€“Small Cell Lung Cancer. Clinical Cancer Research, 2016, 22, 4428-4439.	3.2	39
27	RNA interference-mediated c-MYC inhibition prevents cell growth and decreases sensitivity to radio- and chemotherapy in childhood medulloblastoma cells. BMC Cancer, 2009, 9, 10.	1.1	38
28	Impaired long-term memory retention: Common denominator for acutely or genetically reduced hippocampal neurogenesis in adult mice. Behavioural Brain Research, 2013, 252, 275-286.	1.2	38
29	p53 in rheumatoid arthritis synovial fibroblasts at sites of invasion. Annals of the Rheumatic Diseases, 2003, 62, 1139-1144.	0.5	35
30	Proton Irradiation Increases the Necessity for Homologous Recombination Repair Along with the Indispensability of Non-Homologous End Joining. Cells, 2020, 9, 889.	1.8	35
31	MVP and vaults: a role in the radiation response. Radiation Oncology, 2011, 6, 148.	1.2	33
32	The microtubule stabilizer patupilone (epothilone B) is a potent radiosensitizer in medulloblastoma cells. Neuro-Oncology, 2011, 13, 1000-1010.	0.6	32
33	MAP4K4 controlled integrin Î²1 activation and c-Met endocytosis are associated with invasive behavior of medulloblastoma cells. Oncotarget, 2018, 9, 23220-23236.	0.8	32
34	Ionizing radiation induces tumor cell lysyl oxidase secretion. BMC Cancer, 2014, 14, 532.	1.1	31
35	Hypoxia-Inducible Factor Pathway Inhibition Resolves Tumor Hypoxia and Improves Local Tumor Control After Single-Dose Irradiation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 159-166.	0.4	29
36	The hypoxia-activated prodrug evofosfamide in combination with multiple regimens of radiotherapy. Oncotarget, 2017, 8, 23702-23712.	0.8	28

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37	Bone morphogenetic protein-7 is a MYC target with prosurvival functions in childhood medulloblastoma. Oncogene, 2011, 30, 2823-2835.	2.6	27
38	Ceramide triggers p53-dependent apoptosis in genetically defined fibrosarcoma tumour cells. British Journal of Cancer, 1999, 80, 693-698.	2.9	25
39	Current Concepts for the Combined Treatment Modality of Ionizing Radiation with Anticancer Agents. Current Pharmaceutical Design, 2007, 13, 519-535.	0.9	25
40	Recombinant Human Renin Produced in Different Expression Systems: Biochemical Properties and 3D Structure. Protein Expression and Purification, 1996, 7, 81-91.	0.6	22
41	The Proto-oncogene c-fos Mediates Apoptosis in Murine T-Lymphocytes Induced by Ionizing Radiation and Dexamethasone. Biochemical and Biophysical Research Communications, 1997, 241, 519-524.	1.0	22
42	HSV-1 amplicon-mediated post-transcriptional inhibition of Rad51 sensitizes human glioma cells to ionizing radiation. Gene Therapy, 2007, 14, 1143-1151.	2.3	22
43	c-MYC expression sensitizes medulloblastoma cells to radio- and chemotherapy and has no impact on response in medulloblastoma patients. BMC Cancer, 2011, 11, 74.	1.1	22
44	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
45	Hypoxia modulation and radiosensitization by the novel dual EGFR and VEGFR inhibitor AEE788 in spontaneous and related allograft tumor models. Molecular Cancer Therapeutics, 2007, 6, 2496-2504.	1.9	20
46	Temperature sensitivity of phospho-Ser473-PKB/AKT. Biochemical and Biophysical Research Communications, 2008, 375, 399-404.	1.0	20
47	Microtubule stabilising agents and ionising radiation: Multiple exploitable mechanisms for combined treatment. European Journal of Cancer, 2013, 49, 245-253.	1.3	18
48	Tumor stage, tumor site and HPV dependent correlation of perfusion CT parameters and [18F]-FDG uptake in head and neck squamous cell carcinoma. Radiotherapy and Oncology, 2015, 117, 125-131.	0.3	18
49	Induction of plasminogen activator inhibitor type-1 (PAI-1) by hypoxia and irradiation in human head and neck carcinoma cell lines. BMC Cancer, 2007, 7, 143.	1.1	17
50	Combined Treatment Strategies for Microtubule Stabilizing Agent-Resistant Tumors. Journal of the National Cancer Institute, 2015, 107, .	3.0	17
51	Abstract B1: Radiotherapy promotes tumor-specific effector CD8+ T cells via DC activation.. , 2013, , .		16
52	Role of the Microenvironment for Radiosensitization by Patupilone. Clinical Cancer Research, 2009, 15, 1335-1342.	3.2	15
53	Dynamics of Tumor Hypoxia in Response to Patupilone and Ionizing Radiation. PLoS ONE, 2012, 7, e51476.	1.1	13
54	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?. International Journal of Radiation Oncology Biology Physics, 2004, 58, 361-368.	0.4	12

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55	G2/M cell cycle checkpoint is functional in cervical cancer patients after initiation of external beam radiotherapy. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1390-1398.	0.4	12
56	High dose rate and flattening filter free irradiation can be safely implemented in clinical practice. International Journal of Radiation Biology, 2015, 91, 778-785.	1.0	12
57	Metabolism of tumors under treatment: Mapping of metabolites with quantitative bioluminescence. Radiotherapy and Oncology, 2011, 99, 398-403.	0.3	11
58	The novel microtubule targeting agent BAL101553 in combination with radiotherapy in treatment-refractory tumor models. Radiotherapy and Oncology, 2017, 124, 433-438.	0.3	11
59	Systematic Review on the Association of Radiomics with Tumor Biological Endpoints. Cancers, 2021, 13, 3015.	1.7	11
60	Tumor Oxygenation by Myo-Inositol Trispyrophosphate Enhances Radiation Response. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1222-1233.	0.4	11
61	Regulation of VEGF-expression by patupilone and ionizing radiation in lung adenocarcinoma cells. Lung Cancer, 2011, 73, 294-301.	0.9	10
62	The microtubule stabilizer patupilone counteracts ionizing radiation-induced matrix metalloproteinase activity and tumor cell invasion. Radiation Oncology, 2013, 8, 105.	1.2	10
63	Perfusion CT radiomics as potential prognostic biomarker in head and neck squamous cell carcinoma. Acta OncolÃ³gica, 2019, 58, 1514-1518.	0.8	10
64	The relative biological effectiveness of proton irradiation in dependence of DNA damage repair. British Journal of Radiology, 2020, 93, 20190494.	1.0	10
65	Hypoxia-Related Marker GLUT-1, CAIX, Proliferative Index and Microvessel Density in Canine Oral Malignant Neoplasia. PLoS ONE, 2016, 11, e0149993.	1.1	9
66	Age-associated and therapy-induced alterations in the cellular microenvironment of experimental gliomas. Oncotarget, 2017, 8, 87124-87135.	0.8	8
67	Profiling treatment-specific post-translational modifications in a complex proteome with subtractive substrate phage display. Proteomics, 2004, 4, 2796-2804.	1.3	7
68	Tropomyosin receptor kinase C (TrkC) expression in medulloblastoma: relation to the molecular subgroups and impact on treatment response. Child's Nervous System, 2017, 33, 1463-1471.	0.6	7
69	Evaluation of 18Fâ€FDG PET/CT as an early imaging biomarker for response monitoring after radiochemotherapy using cetuximab in head and neck squamous cell carcinoma. Head and Neck, 2020, 42, 163-170.	0.9	7
70	Combined Radiochemotherapy: Metalloproteinases Revisited. Frontiers in Oncology, 2021, 11, 676583.	1.3	7
71	The ADAM17-directed Inhibitory Antibody MEDI3622 Antagonizes Radiotherapy-induced VEGF Release and Sensitizes Nonâ€“Small Cell Lung Cancer for Radiotherapy. Cancer Research Communications, 2021, 1, 164-177.	0.7	7
72	Overexpression of Bcl-2 enhances sensitivity of L929 cells to a lipophilic cationic photosensitiser. Cell Death and Differentiation, 2001, 8, 204-206.	5.0	6

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73	Ionizing radiation and inhibition of angiogenesis in a spontaneous mammary carcinoma and in a syngenic heterotopic allograft tumor model: a comparative study. Radiation Oncology, 2011, 6, 66.	1.2	6
74	Abstract 1347: BAL101553: An optimized prodrug of the microtubule destabilizer BAL27862 with superior antitumor activity. Cancer Research, 2011, 71, 1347-1347.	0.4	6
75	Radiation-induced lymphopenia does not impact treatment efficacy in a mouse tumor model. Neoplasia, 2022, 31, 100812.	2.3	6
76	Bioluminescence imaging for in vivo monitoring of local recurrence mesothelioma model. Lung Cancer, 2011, 71, 370-371.	0.9	4
77	Consolidation cetuximab after concurrent triplet radiochemotherapy+cetuximab in patients with advanced head and neck cancer: A randomized phase II study. Radiotherapy and Oncology, 2020, 150, 62-69.	0.3	3
78	Paracrine Placental Growth Factor Signaling in Response to Ionizing Radiation Is p53-Dependent and Contributes to Radioresistance. Molecular Cancer Research, 2021, 19, 1051-1062.	1.5	3
79	Probing spatiotemporal fractionation on the preclinical level. Physics in Medicine and Biology, 2020, 65, 22NT02.	1.6	3
80	Fenretinide Acts as Potent Radiosensitizer for Treatment of Rhabdomyosarcoma Cells. Frontiers in Oncology, 2021, 11, 664462.	1.3	2
81	Abstract C233: BAL27862: A unique microtubuleâ€targeted agent with a potential for the treatment of human brain tumors. , 2009, , .		2
82	Ganetespib selectively sensitizes cancer cells for proximal and distal spread-out Bragg peak proton irradiation. Radiation Oncology, 2022, 17, 72.	1.2	2
83	Molecular mechanisms of radioresistance: Applications for head and neck cancer. Zeitschrift Fur Medizinische Physik, 1998, 8, 119-123.	0.6	1
84	Role of the Microenvironment and Tumor Hypoxia for Radiosensitization by Patupilone. International Journal of Radiation Oncology Biology Physics, 2009, 75, S94-S95.	0.4	1
85	Substrate screening identifies a novel target sequence for the proteasomal activity regulated by ionizing radiation. Proteomics, 2010, 10, 304-314.	1.3	1
86	PO-1056: Decipering the mechanism of ADAM17- mediated radioresistance in NSCLC. Radiotherapy and Oncology, 2018, 127, S592-S593.	0.3	1
87	Combined Treatment Modalities for High-Energy Proton Irradiation: Exploiting Specific DNA Repair Dependencies. International Journal of Particle Therapy, 2018, 5, 133-139.	0.9	1
88	Differential DNA Repair Mechanisms in Response to Proton and Photon Irradiation. International Journal of Radiation Oncology Biology Physics, 2009, 75, S19-S20.	0.4	0
89	SP-0480: Secretome as novel target for lung cancer. Radiotherapy and Oncology, 2017, 123, S254.	0.3	0
90	Targeting Tumor Microenvironment and Metabolism to Overcome Radiation Resistance. Progress in Tumor Research, 2018, , 25-40.	0.1	0

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91	PO-1070 Identification of biologically active factors in ionizing radiation regulated secretome. Radiotherapy and Oncology, 2019, 133, S595.	0.3	0
92	OC-0054 Tumor reoxygenation and image-guided SBRT for the treatment of murine colorectal liver metastases. Radiotherapy and Oncology, 2019, 133, S20.	0.3	0
93	Abstract C145: Targeted radiosensitization of non-small cell lung cancer (NSCLC) through ADAM17 inhibition. , 2015, , .		0
94	Abstract A185: Combined treatment strategies for microtubule interfering agent-resistant tumors. , 2015, , .		0
95	Abstract A163: The combined treatment modality of a hypoxia-activated prodrug (Evofosfamide) with ionizing radiation. , 2015, , .		0