

Kevin Camphausen

List of Publications by Year in descending order

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95
papers

3,169
citations

186209

28
h-index

161767

54
g-index

97
all docs

97
docs citations

97
times ranked

4846
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Radiation-Induced Cell Killing and Prolongation of γ H2AX Foci Expression by the Histone Deacetylase Inhibitor MS-275. <i>Cancer Research</i> , 2004, 64, 316-321.	0.4	215
2	Enhancement of in vitro and in vivo tumor cell radiosensitivity by valproic acid. <i>International Journal of Cancer</i> , 2005, 114, 380-386.	2.3	194
3	Radiation abscopal antitumor effect is mediated through p53. <i>Cancer Research</i> , 2003, 63, 1990-3.	0.4	187
4	A Phase 2 Study of Concurrent Radiation Therapy, Temozolomide, and the Histone Deacetylase Inhibitor Valproic Acid for Patients With Glioblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 986-992.	0.4	166
5	Inhibition of Histone Deacetylation: A Strategy for Tumor Radiosensitization. <i>Journal of Clinical Oncology</i> , 2007, 25, 4051-4056.	0.8	160
6	Enhancement of Xenograft Tumor Radiosensitivity by the Histone Deacetylase Inhibitor MS-275 and Correlation with Histone Hyperacetylation. <i>Clinical Cancer Research</i> , 2004, 10, 6066-6071.	3.2	132
7	Current Clinical Trials Testing Combinations of Immunotherapy and Radiation. <i>Seminars in Radiation Oncology</i> , 2015, 25, 54-64.	1.0	123
8	From The Cover: Influence of in vivo growth on human glioma cell line gene expression: Convergent profiles under orthotopic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8287-8292.	3.3	107
9	Postradiation Sensitization of the Histone Deacetylase Inhibitor Valproic Acid. <i>Clinical Cancer Research</i> , 2008, 14, 5410-5415.	3.2	98
10	Inhibition of Hsp90: A Multitarget Approach to Radiosensitization. <i>Clinical Cancer Research</i> , 2007, 13, 4326-4330.	3.2	90
11	Automated glioma grading on conventional MRI images using deep convolutional neural networks. <i>Medical Physics</i> , 2020, 47, 3044-3053.	1.6	86
12	The DNA-PK Inhibitor VX-984 Enhances the Radiosensitivity of Glioblastoma Cells Grown <i>In Vitro</i> and as Orthotopic Xenografts. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1207-1216.	1.9	84
13	Radiation Therapy in Management of Sporadic and Neurofibromatosis Type 1-Associated Malignant Peripheral Nerve Sheath Tumors. <i>Frontiers in Oncology</i> , 2014, 4, 324.	1.3	80
14	Brain tumor segmentation using holistically nested neural networks in MRI images. <i>Medical Physics</i> , 2017, 44, 5234-5243.	1.6	79
15	State-of-the-Art Advances in Radiation Biodosimetry for Mass Casualty Events Involving Radiation Exposure. <i>Radiation Research</i> , 2016, 186, 423-435.	0.7	65
16	Magnetic Resonance Imaging of the Tumor Microenvironment in Radiotherapy: Perfusion, Hypoxia, and Metabolism. <i>Seminars in Radiation Oncology</i> , 2014, 24, 210-217.	1.0	61
17	FOXM1 and STAT3 interaction confers radioresistance in glioblastoma cells. <i>Oncotarget</i> , 2016, 7, 77365-77377.	0.8	55
18	Visualizing Molecular Profiles of Glioblastoma with GBM-BioDP. <i>PLoS ONE</i> , 2014, 9, e101239.	1.1	52

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19	External Beam Radiation Therapy in Treatment of Malignant Pheochromocytoma and Paraganglioma. <i>Frontiers in Oncology</i> , 2014, 4, 166.	1.3	51
20	Targeting <i>MPS1</i> Enhances Radiosensitization of Human Glioblastoma by Modulating DNA Repair Proteins. <i>Molecular Cancer Research</i> , 2015, 13, 852-862.	1.5	50
21	Molecular Targets for Tumor Radiosensitization. <i>Chemical Reviews</i> , 2009, 109, 2974-2988.	23.0	49
22	Coculture with astrocytes reduces the radiosensitivity of glioblastoma stem-like cells and identifies additional targets for radiosensitization. <i>Cancer Medicine</i> , 2015, 4, 1705-1716.	1.3	42
23	Protein Phosphatase 2A Inhibition with LB100 Enhances Radiation-Induced Mitotic Catastrophe and Tumor Growth Delay in Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1540-1547.	1.9	41
24	DiscoverSL: an R package for multi-omic data driven prediction of synthetic lethality in cancers. <i>Bioinformatics</i> , 2019, 35, 701-702.	1.8	41
25	Cancer-Specific Immune Prognostic Signature in Solid Tumors and Its Relation to Immune Checkpoint Therapies. <i>Cancers</i> , 2020, 12, 2476.	1.7	39
26	Multivariate Analysis of Radiation Responsive Proteins to Predict Radiation Exposure in Total-Body Irradiation and Partial-Body Irradiation Models. <i>Radiation Research</i> , 2017, 187, 251.	0.7	35
27	The XPO1 Inhibitor Selinexor Inhibits Translation and Enhances the Radiosensitivity of Glioblastoma Cells Grown <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1717-1726.	1.9	34
28	Expert consensus on re-irradiation for recurrent glioma. <i>Radiation Oncology</i> , 2017, 12, 194.	1.2	32
29	A phase I trial of cabozantinib and gemcitabine in advanced pancreatic cancer. <i>Investigational New Drugs</i> , 2016, 34, 733-739.	1.2	31
30	Inhibition of the Histone H3K27 Demethylase UTX Enhances Tumor Cell Radiosensitivity. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1070-1078.	1.9	31
31	Flavopiridol enhances human tumor cell radiosensitivity and prolongs expression of gammaH2AX foci. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 409-16.	1.9	31
32	Differentiating pseudoprogression from true progression: analysis of radiographic, biologic, and clinical clues in GBM. <i>Journal of Neuro-Oncology</i> , 2018, 139, 145-152.	1.4	29
33	LB-100, a novel Protein Phosphatase 2A (PP2A) inhibitor, sensitizes malignant meningioma cells to the therapeutic effects of radiation. <i>Cancer Letters</i> , 2018, 415, 217-226.	3.2	28
34	Serum Amyloid A as a Biomarker for Radiation Exposure. <i>Radiation Research</i> , 2015, 184, 14.	0.7	26
35	Accuracy of 3D volumetric image registration based on CT, MR and PET/CT phantom experiments. <i>Journal of Applied Clinical Medical Physics</i> , 2008, 9, 17-36.	0.8	25
36	Polysome Profiling Links Translational Control to the Radioresponse of Glioblastoma Stem-like Cells. <i>Cancer Research</i> , 2016, 76, 3078-3087.	0.4	23

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37	A Pilot Study of Hypofractionated Stereotactic Radiation Therapy and Sunitinib in Previously Irradiated Patients With Recurrent High-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 369-375.	0.4	22
38	microRNA Alterations Driving Acute and Late Stages of Radiation-Induced Fibrosis in a Murine Skin Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 44-52.	0.4	21
39	Analysis of radiation therapy in a model of triple-negative breast cancer brain metastasis. <i>Clinical and Experimental Metastasis</i> , 2015, 32, 717-727.	1.7	21
40	Modulation of miR-21 signaling by MPS1 in human glioblastoma. <i>Oncotarget</i> , 2016, 7, 52912-52927.	0.8	21
41	SL-BioDP: Multi-Cancer Interactive Tool for Prediction of Synthetic Lethality and Response to Cancer Treatment. <i>Cancers</i> , 2019, 11, 1682.	1.7	20
42	miR-21 Plays a Dual Role in Tumor Formation and Cytotoxic Response in Breast Tumors. <i>Cancers</i> , 2021, 13, 888.	1.7	20
43	Caloric Restriction Impairs Regulatory T cells Within the Tumor Microenvironment After Radiation and Primes Effector T cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1341-1349.	0.4	19
44	Angiogenesis inhibitors and radiotherapy of primary tumours. <i>Expert Opinion on Biological Therapy</i> , 2002, 2, 477-481.	1.4	18
45	Protein phosphatase 2A inhibition enhances radiation sensitivity and reduces tumor growth in chordoma. <i>Neuro-Oncology</i> , 2018, 20, 799-809.	0.6	18
46	Isoprostane levels in the urine of patients with prostate cancer receiving radiotherapy are not elevated. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 1536-1539.	0.4	17
47	Evaluation of copper chelation agents as anti-angiogenic therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4287-4293.	1.4	16
48	Quantitative imaging of pO ₂ in orthotopic murine gliomas: hypoxia correlates with resistance to radiation. <i>Free Radical Research</i> , 2017, 51, 861-871.	1.5	16
49	Circulating biomarkers for high-grade glioma. <i>Biomarkers in Medicine</i> , 2019, 13, 161-165.	0.6	16
50	Evaluation of chelating agents as anti-angiogenic therapy through copper chelation. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5133-5140.	1.4	15
51	Re-irradiation for recurrent glioma- the NCI experience in tumor control, OAR toxicity and proposal of a novel prognostic scoring system. <i>Radiation Oncology</i> , 2017, 12, 191.	1.2	14
52	Pan-Cancer Analysis of Potential Synthetic Lethal Drug Targets Specific to Alterations in DNA Damage Response. <i>Frontiers in Oncology</i> , 2019, 9, 1136.	1.3	14
53	Late toxicity in long-term survivors from a phase 2 study of concurrent radiation therapy, temozolomide and valproic acid for newly diagnosed glioblastoma. <i>Neuro-Oncology Practice</i> , 2018, 5, 246-250.	1.0	12
54	Radiosensitizers in the temozolomide era for newly diagnosed glioblastoma. <i>Neuro-Oncology Practice</i> , 2020, 7, 268-276.	1.0	12

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55	Combining radiation and molecular targeting in cancer therapy. <i>Cancer Biology and Therapy</i> , 2004, 3, 247-50.	1.5	12
56	Avelumab, a PD-L1 Inhibitor, in Combination with Hypofractionated Radiotherapy and the Abscopal Effect in Relapsed Refractory Multiple Myeloma. <i>Oncologist</i> , 2021, 26, 288-e541.	1.9	10
57	Comparison of Proteomic Biodosimetry Biomarkers Across Five Different Murine Strains. <i>Radiation Research</i> , 2019, 192, 640.	0.7	10
58	Novel Murine Biomarkers of Radiation Exposure Using An Aptamer-Based Proteomic Technology. <i>Frontiers in Pharmacology</i> , 2021, 12, 633131.	1.6	9
59	Clinical and radiobiological consideration of cyclical hypofractionated radiation therapy also known as QUAD Shot for neglected skin cancer disfiguring the face of a non-compliant patient who was refusing surgery and protracted radiation therapy: case report. <i>Radiation Oncology Journal</i> , 2019, 37, 143-148.	0.7	8
60	MPAPASS software enables stitched multiplex, multidimensional EV repertoire analysis and a standard framework for reporting bead-based assays. <i>Cell Reports Methods</i> , 2022, 2, 100136.	1.4	8
61	Role of Early Postradiation Magnetic Resonance Imaging Scans in Children With Diffuse Intrinsic Pontine Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1252-1256.	0.4	7
62	Improving Radiation Response in Glioblastoma Using ECO/siRNA Nanoparticles Targeting DNA Damage Repair. <i>Cancers</i> , 2020, 12, 3260.	1.7	7
63	Lessons to Learn From a Successful Virtual Mock Oral Examination Pilot Experience. <i>Advances in Radiation Oncology</i> , 2021, 6, 100534.	0.6	7
64	A Prospective Trial of Radiation Alone vs Combination Chemotherapy Alone for Early-Stage Hodgkin's Disease: Implications of 25-Year Follow-Up to Current Combined Modality Therapy.. <i>Blood</i> , 2006, 108, 98-98.	0.6	7
65	Cysteine is a limiting factor for glioma proliferation and survival. <i>Molecular Oncology</i> , 2022, 16, 1777-1794.	2.1	7
66	The prevalence of altered body image in patients with primary brain tumors: an understudied population. <i>Journal of Neuro-Oncology</i> , 2020, 147, 397-404.	1.4	6
67	The Radiosensitizing Effect of AZD0530 in Glioblastoma and Glioblastoma Stem-Like Cells. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1672-1679.	1.9	6
68	Bench to bedside radiosensitizer development strategy for newly diagnosed glioblastoma. <i>Radiation Oncology</i> , 2021, 16, 191.	1.2	6
69	A simple, high-throughput method of protein and label removal from extracellular vesicle samples. <i>Nanoscale</i> , 2021, 13, 3737-3745.	2.8	6
70	Radiation-induced alternative transcripts as detected in total and polysome-bound mRNA. <i>Oncotarget</i> , 2018, 9, 691-705.	0.8	6
71	The Quiescent Metabolic Phenotype of Glioma Stem Cells. , 2019, 12, 96-103.		6
72	Cyclical hypofractionated radiotherapy also known as "QUAD Shot" alone using intensity-modulated radiotherapy for squamous cell carcinoma of the parotid gland in an 85-year-old patient with multiple comorbidities. <i>Head and Neck</i> , 2017, 39, E55-E60.	0.9	5

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73	Judah Folkman: The Father of Modern Angiogenesis. <i>Cell Cycle</i> , 2002, 1, 296-297.	1.3	4
74	NCI-CONNECT: Comprehensive Oncology Network Evaluating Rare CNS Tumors—Histone Mutated Midline Glioma Workshop Proceedings*. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa007.	0.4	4
75	The Olfactory Bulb Provides a Radioresistant Niche for Glioblastoma Cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 194-201.	0.4	4
76	Glioblastoma radiosensitization by pimoziide. <i>Translational Cancer Research</i> , 2016, 5, S1029-S1032.	0.4	4
77	A Serum Proteomic Signature Predicting Survival in Patients with Glioblastoma. <i>Journal of Biochemistry and Analytical Studies</i> , 2020, 4, .	0.1	4
78	Registering Molecular Imaging Information into Anatomic Images with Improved Spatial Accuracy. , 2007, , .		3
79	Computational analysis of the mesenchymal signature landscape in gliomas. <i>BMC Medical Genomics</i> , 2017, 10, 13.	0.7	3
80	Report of Canonical <i>BCR</i> - <i>ABL1</i> Fusion in Glioblastoma. <i>JCO Precision Oncology</i> , 2021, 5, 1348-1353.	1.5	3
81	Translation Initiation Machinery as a Tumor Selective Target for Radiosensitization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10664.	1.8	3
82	Proteomic Biomarker Analysis of Serum from Japanese Field Mice (<i>Apodemus Speciosus</i>) Collected within the Fukushima Difficult-to-return Zone. <i>Health Physics</i> , 2021, 121, 564-573.	0.3	3
83	Comparison of Proteomic Expression Profiles after Radiation Exposure across Four Different Species. <i>Radiation Research</i> , 2022, 197, .	0.7	3
84	Analytical Considerations of Large-Scale Aptamer-Based Datasets for Translational Applications. <i>Cancers</i> , 2022, 14, 2227.	1.7	3
85	CX-5461 induces radiosensitization through modification of the DNA damage response and not inhibition of RNA polymerase I. <i>Scientific Reports</i> , 2022, 12, 4059.	1.6	2
86	Pilot trial of topical MTS-01 application to reduce dermatitis in patients receiving chemoradiotherapy for stage III carcinoma of the anal canal. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	2
87	Molecular profiling of MPS1 gene silencing in U251 glioma cell line. <i>Genomics Data</i> , 2015, 6, 36-39.	1.3	1
88	Histone Deacetylase Inhibitors and Tumor Radiosensitization. <i>Cancer Drug Discovery and Development</i> , 2017, , 57-78.	0.2	1
89	Case Report: Single-Cell Transcriptomic Analysis of an Anaplastic Oligodendroglioma Post Immunotherapy. <i>Frontiers in Oncology</i> , 2020, 10, 601452.	1.3	1
90	Inhibition of the Translation Initiation Factor eIF4A Enhances Tumor Cell Radiosensitivity. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 1406-1414.	1.9	1

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91	Early Experiences of Image Guided Prostate and Pelvic Nodal Irradiation With Intensity Modulated Radiation Treatment in Localized Prostate Cancer. World Journal of Oncology, 2012, 3, 16-22.	0.6	0
92	Mitotic Protein Kinase 1: Role in Spindle Assembly Checkpoint Revisited. , 2016, 1, .		0
93	Synthetic Lethal Drug Combinations Targeting Proteasome and Histone Deacetylase Inhibitors in TP53-Mutated Cancers. , 2020, 1, 42-47.		0
94	A Phase II Pilot Study of Avelumab in Combination with Hypofractionated Radiotherapy in Patients with Relapsed Refractory Multiple Myeloma. Blood, 2020, 136, 10-11.	0.6	0
95	Molecular Biology in Treatment Decision Processesâ€”Neuro-Oncology Edition. International Journal of Molecular Sciences, 2021, 22, 13278.	1.8	0