David G Kirsch

List of Publications by Year
in descending order

177 papers	11,740 citations	41258 49 h-index	30010 103 g-index
192 all docs	192 docs citations	192 times ranked	18188 citing authors

#	Article	IF	Citations
1	Restoration of p53 function leads to tumour regression in vivo. Nature, 2007, 445, 661-665.	13.7	1,662
2	Conversion of Bcl-2 to a Bax-like Death Effector by Caspases. Science, 1997, 278, 1966-1968.	6.0	1,028
3	Dietary methionine influences therapy in mouse cancer models and alters human metabolism. Nature, 2019, 572, 397-401.	13.7	422
4	<i>Dicer1</i> functions as a haploinsufficient tumor suppressor. Genes and Development, 2009, 23, 2700-2704.	2.7	391
5	Caspase-3-dependent Cleavage of Bcl-2 Promotes Release of Cytochrome c. Journal of Biological Chemistry, 1999, 274, 21155-21161.	1.6	390
6	Animal Models for Medical Countermeasures to Radiation Exposure. Radiation Research, 2010, 173, 557-578.	0.7	364
7	Strategies for optimizing the response of cancer and normal tissues to radiation. Nature Reviews Drug Discovery, 2013, 12, 526-542.	21.5	335
8	A spatially and temporally restricted mouse model of soft tissue sarcoma. Nature Medicine, 2007, 13, 992-997.	15.2	274
9	Acetate Production from Glucose and Coupling to Mitochondrial Metabolism in Mammals. Cell, 2018, 175, 502-513.e13.	13.5	269
10	Metabolomics in cancer research and emerging applications in clinical oncology. Ca-A Cancer Journal for Clinicians, 2021, 71, 333-358.	157.7	267
11	A Plasmonic Gold Nanostar Theranostic Probe for <i>In Vivo</i> Tumor Imaging and Photothermal Therapy. Theranostics, 2015, 5, 946-960.	4.6	254
12	p53 Controls Radiation-Induced Gastrointestinal Syndrome in Mice Independent of Apoptosis. Science, 2010, 327, 593-596.	6.0	225
13	Hypoxia-Dependent Modification of Collagen Networks Promotes Sarcoma Metastasis. Cancer Discovery, 2013, 3, 1190-1205.	7.7	224
14	A mouse-human phase 1 co-clinical trial of a protease-activated fluorescent probe for imaging cancer. Science Translational Medicine, 2016, 8, 320ra4.	5.8	224
15	Significant Reduction of Late Toxicities in Patients With Extremity Sarcoma Treated With Image-Guided Radiation Therapy to a Reduced Target Volume: Results of Radiation Therapy Oncology Group RTOG-0630 Trial. Journal of Clinical Oncology, 2015, 33, 2231-2238.	0.8	214
16	Preoperative or postoperative radiotherapy versus surgery alone for retroperitoneal sarcoma: a case-control, propensity score-matched analysis of a nationwide clinical oncology database. Lancet Oncology, The, 2016, 17, 966-975.	5.1	199
17	A next-generation dual-recombinase system for time- and host-specific targeting of pancreatic cancer. Nature Medicine, 2014, 20, 1340-1347.	15.2	188
18	Application of single-cell RNA sequencing in optimizing a combinatorial therapeutic strategy in metastatic renal cell carcinoma. Genome Biology, 2016, 17, 80.	3.8	170

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19	Radiation Therapy for Control of Soft-Tissue Sarcomas Resected With Positive Margins. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1460-1469.	0.4	161
20	PD-0332991, a CDK4/6 Inhibitor, Significantly Prolongs Survival in a Genetically Engineered Mouse Model of Brainstem Glioma. PLoS ONE, 2013, 8, e77639.	1.1	136
21	Toward a Drug Development Path That Targets Metastatic Progression in Osteosarcoma. Clinical Cancer Research, 2014, 20, 4200-4209.	3.2	127
22	Combining precision radiotherapy with molecular targeting and immunomodulatory agents: a guideline by the American Society for Radiation Oncology. Lancet Oncology, The, 2018, 19, e240-e251.	5.1	108
23	Treatment Guidelines for Preoperative Radiation Therapy for Retroperitoneal Sarcoma: Preliminary Consensus of an International Expert Panel. International Journal of Radiation Oncology Biology Physics, 2015, 92, 602-612.	0.4	102
24	Neutrophils promote tumor resistance to radiation therapy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18584-18589.	3.3	102
25	Ultraâ€rare sarcomas: A consensus paper from the Connective Tissue Oncology Society community of experts on the incidence threshold and the list of entities. Cancer, 2021, 127, 2934-2942.	2.0	96
26	MicroRNA-182 drives metastasis of primary sarcomas by targeting multiple genes. Journal of Clinical Investigation, 2014, 124, 4305-4319.	3.9	86
27	Dual-Energy Micro-CT Functional Imaging of Primary Lung Cancer in Mice Using Gold and Iodine Nanoparticle Contrast Agents: A Validation Study. PLoS ONE, 2014, 9, e88129.	1.1	84
28	Dual-Energy CT Imaging of Tumor Liposome Delivery After Gold Nanoparticle-Augmented Radiation Therapy. Theranostics, 2018, 8, 1782-1797.	4.6	79
29	Tumor cells, but not endothelial cells, mediate eradication of primary sarcomas by stereotactic body radiation therapy. Science Translational Medicine, 2015, 7, 278ra34.	5.8	76
30	The Future of Radiobiology. Journal of the National Cancer Institute, 2018, 110, 329-340.	3.0	76
31	Commissioning a smallâ€field biological irradiator using point, 2D, and 3D dosimetry techniques. Medical Physics, 2011, 38, 6754-6762.	1.6	74
32	p53 Functions in Endothelial Cells to Prevent Radiation-Induced Myocardial Injury in Mice. Science Signaling, 2012, 5, ra52.	1.6	74
33	NF1 Deletion Generates Multiple Subtypes of Soft-Tissue Sarcoma That Respond to MEK Inhibition. Molecular Cancer Therapeutics, 2013, 12, 1906-1917.	1.9	73
34	Bone protection by inhibition of microRNA-182. Nature Communications, 2018, 9, 4108.	5.8	71
35	Cross Species Genomic Analysis Identifies a Mouse Model as Undifferentiated Pleomorphic Sarcoma/Malignant Fibrous Histiocytoma. PLoS ONE, 2009, 4, e8075.	1.1	71
36	Intravital imaging of mouse embryos. Science, 2020, 368, 181-186.	6.0	70

#	Article	IF	Citations
37	Partial inhibition of gp130-Jak-Stat3 signaling prevents Wntâ€"Î²-cateninâ€"mediated intestinal tumor growth and regeneration. Science Signaling, 2014, 7, ra92.	1.6	68
38	Improving the Predictive Value of Preclinical Studies in Support of Radiotherapy Clinical Trials. Clinical Cancer Research, 2016, 22, 3138-3147.	3.2	68
39	Tie2+ Bone Marrow Endothelial Cells Regulate Hematopoietic Stem Cell Regeneration Following Radiation Injury. Stem Cells, 2013, 31, 327-337.	1.4	66
40	Single cell analysis reveals distinct immune landscapes in transplant and primary sarcomas that determine response or resistance to immunotherapy. Nature Communications, 2020, 11, 6410.	5.8	66
41	GLUT1 Expression in Tumor-Associated Neutrophils Promotes Lung Cancer Growth and Resistance to Radiotherapy. Cancer Research, 2021, 81, 2345-2357.	0.4	65
42	Atm deletion with dual recombinase technology preferentially radiosensitizes tumor endothelium. Journal of Clinical Investigation, 2014, 124, 3325-3338.	3.9	64
43	p53 Regulates Progenitor Cell Quiescence and Differentiation in the Airway. Cell Reports, 2016, 17, 2173-2182.	2.9	62
44	A FRT-flanked<i>p53</i>mouse to generate primary tumors with Flp recombinase. DMM Disease Models and Mechanisms, 2012, 5, 397-402.	1.2	60
45	Computed Tomography Imaging of Primary Lung Cancer in Mice Using a Liposomal-Iodinated Contrast Agent. PLoS ONE, 2012, 7, e34496.	1.1	60
46	Imaging Primary Lung Cancers in Mice to Study Radiation Biology. International Journal of Radiation Oncology Biology Physics, 2010, 76, 973-977.	0.4	57
47	Dual-Energy Micro-Computed Tomography Imaging of Radiation-Induced Vascular Changes in Primary Mouse Sarcomas. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1353-1359.	0.4	57
48	Insights into pediatric rhabdomyosarcoma research: Challenges and goals. Pediatric Blood and Cancer, 2019, 66, e27869.	0.8	57
49	Distinct and Overlapping Sarcoma Subtypes Initiated from Muscle Stem and Progenitor Cells. Cell Reports, 2013, 5, 933-940.	2.9	56
50	Intraoperative detection and removal of microscopic residual sarcoma using wideâ€field imaging. Cancer, 2012, 118, 5320-5330.	2.0	55
51	Generation and comparison of CRISPR-Cas9 and Cre-mediated genetically engineered mouse models of sarcoma. Nature Communications, 2017, 8, 15999.	5.8	53
52	Uveal Melanoma Treated With Iodine-125 Episcleral Plaque: An Analysis of Dose on Disease Control and Visual Outcomes. International Journal of Radiation Oncology Biology Physics, 2014, 89, 127-136.	0.4	51
53	Role of p53 in regulating tissue response to radiation by mechanisms independent of apoptosis. Translational Cancer Research, 2013, 2, 412-421.	0.4	51
54	Lack of supporting data make the risks of a clinical trial of radiation therapy as a treatment for COVID-19 pneumonia unacceptable. Radiotherapy and Oncology, 2020, 147, 217-220.	0.3	49

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55	Mutational landscape in genetically engineered, carcinogen-induced, and radiation-induced mouse sarcoma. JCI Insight, 2019, 4, .	2.3	47
56	Rescuing dicer Defects via Inhibition of an Anti-Dicing Nuclease. Cell Reports, 2014, 9, 1471-1481.	2.9	44
57	Radiation Therapy for Soft Tissue Sarcoma. Surgical Oncology Clinics of North America, 2016, 25, 841-860.	0.6	44
58	Assessing Cardiac Injury in Mice With Dual Energy-MicroCT, 4D-MicroCT, and MicroSPECT Imaging After Partial Heart Irradiation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 686-693.	0.4	43
59	Animal models of soft-tissue sarcoma. DMM Disease Models and Mechanisms, 2010, 3, 557-566.	1.2	41
60	HIF-1 Alpha Regulates the Response of Primary Sarcomas to Radiation Therapy through a Cell Autonomous Mechanism. Radiation Research, 2015, 183, 594.	0.7	41
61	Efficacy of Sunitinib and Radiotherapy in Genetically Engineered Mouse Model of Soft-Tissue Sarcoma. International Journal of Radiation Oncology Biology Physics, 2009, 74, 1207-1216.	0.4	40
62	Acute DNA damage activates the tumour suppressor p53 to promote radiation-induced lymphoma. Nature Communications, 2015, 6, 8477.	5.8	39
63	Rationale and emerging strategies for immune checkpoint blockade in soft tissue sarcoma. Cancer, 2018, 124, 3819-3829.	2.0	39
64	Establishing the Impact of Vascular Damage on Tumor Response to High-Dose Radiation Therapy. Cancer Research, 2019, 79, 5685-5692.	0.4	36
65	Quantitative Analysis of the Physiological Contributions of Glucose to the TCA Cycle. Cell Metabolism, 2020, 32, 619-628.e21.	7.2	36
66	Low-Dose Radiation Therapy (LDRT) for COVID-19: Benefits or Risks?. Radiation Research, 2020, 194, 452-464.	0.7	36
67	A Novel Imaging System Permits Real-time in Vivo Tumor Bed Assessment After Resection of Naturally Occurring Sarcomas in Dogs. Clinical Orthopaedics and Related Research, 2013, 471, 834-842.	0.7	35
68	Mesenchymal Tumors Can Derive from Ng2/Cspg4-Expressing Pericytes with Î²-Catenin Modulating the Neoplastic Phenotype. Cell Reports, 2016, 16, 917-927.	2.9	35
69	Oncogeneâ€dependent control of <scp>miRNA</scp> biogenesis and metastatic progression in a model of undifferentiated pleomorphic sarcoma. Journal of Pathology, 2013, 229, 132-140.	2.1	34
70	The Role of Radiotherapy for Chordoma Patients Managed With Surgery. Spine, 2020, 45, E742-E751.	1.0	34
71	Genomic Status of<i>MET</i>Potentiates Sensitivity to MET and MEK Inhibition in NF1-Related Malignant Peripheral Nerve Sheath Tumors. Cancer Research, 2018, 78, 3672-3687.	0.4	33
72	Assessing the Radiation Response of Lung Cancer with Different Gene Mutations Using Genetically Engineered Mice. Frontiers in Oncology, 2013, 3, 72.	1.3	32

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73	Optimization of a Widefield Structured Illumination Microscope for Non-Destructive Assessment and Quantification of Nuclear Features in Tumor Margins of a Primary Mouse Model of Sarcoma. PLoS ONE, 2013, 8, e68868.	1.1	30
74	The effect of neoadjuvant radiation therapy on perioperative outcomes among patients undergoing resection of retroperitoneal sarcomas. Surgical Oncology, 2014, 23, 155-160.	0.8	29
75	The Use of Radiation Therapy in Localized High-Grade Soft Tissue Sarcoma and Potential Impact on Survival. Annals of Surgical Oncology, 2015, 22, 2831-2838.	0.7	29
76	Blocking Cyclin-Dependent Kinase 4/6 During Single Dose Versus Fractionated Radiation Therapy Leads to Opposite Effects on Acute Gastrointestinal Toxicity in Mice. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1569-1576.	0.4	29
77	Investigating the accuracy of microstereotacticâ€bodyâ€radiotherapy utilizing anatomically accurate 3D printed rodentâ€morphic dosimeters. Medical Physics, 2015, 42, 846-855.	1.6	28
78	Acute Tissue Injury Activates Satellite Cells and Promotes Sarcoma Formation via the HGF/c-MET Signaling Pathway. Cancer Research, 2015, 75, 605-614.	0.4	28
79	Deletion of <i>Atm</i> in Tumor but not Endothelial Cells Improves Radiation Response in a Primary Mouse Model of Lung Adenocarcinoma. Cancer Research, 2019, 79, 773-782.	0.4	28
80	Tumor genotype dictates radiosensitization after Atm deletion in primary brainstem glioma models. Journal of Clinical Investigation, 2021, 131, .	3.9	27
81	Combining Targeted Agents With Modern Radiotherapy in Soft Tissue Sarcomas. Journal of the National Cancer Institute, 2014, 106, dju329-dju329.	3.0	26
82	Current Status and Recommendations for the Future ofÂResearch, Teaching, and Testing in the Biological Sciences of Radiation Oncology: Report of the American Society for Radiation Oncology Cancer Biology/Radiation Biology Task Force, Executive Summary. International Journal of Radiation Oncology Biology Physics, 2014, 88, 11-17.	0.4	26
83	Analysis of perioperative radiation therapy in the surgical treatment of primary and recurrent retroperitoneal sarcoma. Journal of Surgical Oncology, 2015, 112, 352-358.	0.8	26
84	Characterizing the Potency and Impact of Carbon Ion Therapy in a Primary Mouse Model of Soft Tissue Sarcoma. Molecular Cancer Therapeutics, 2018, 17, 858-868.	1.9	25
85	An intravital window to image the colon in real time. Nature Communications, 2019, 10, 5647.	5.8	25
86	Enhancing the Efficacy of Radiation Therapy: Premises, Promises, and Practicality. Journal of Clinical Oncology, 2014, 32, 2832-2835.	0.8	24
87	Multidisciplinary Management of Oligometastatic Soft Tissue Sarcoma. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2018, 38, 939-948.	1.8	24
88	Imaging Primary Mouse Sarcomas After Radiation Therapy Using Cathepsin-Activatable Fluorescent Imaging Agents. International Journal of Radiation Oncology Biology Physics, 2013, 86, 136-142.	0.4	23
89	NF1+/â˜' Hematopoietic Cells Accelerate Malignant Peripheral Nerve Sheath Tumor Development without Altering Chemotherapy Response. Cancer Research, 2017, 77, 4486-4497.	0.4	23
90	Tracing Tumor Evolution in Sarcoma Reveals Clonal Origin of Advanced Metastasis. Cell Reports, 2019, 28, 2837-2850.e5.	2.9	23

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91	X-Ray Psoralen Activated Cancer Therapy (X-PACT). PLoS ONE, 2016, 11, e0162078.	1.1	23
92	p21 Protects â€œSuper p53â€•Mice from the Radiation-Induced Gastrointestinal Syndrome. Radiation Research, 2012, 177, 307-310.	0.7	21
93	A Novel Imaging System Distinguishes Neoplastic from Normal Tissue During Resection of Soft Tissue Sarcomas and Mast Cell Tumors in Dogs. Veterinary Surgery, 2016, 45, 715-722.	0.5	21
94	Genetically engineered mouse models for studying radiation biology. Translational Cancer Research, 2017, 6, S900-S913.	0.4	21
95	Spectrotemporal CT data acquisition and reconstruction at low dose. Medical Physics, 2015, 42, 6317-6336.	1.6	20
96	A Fluorescence-Guided Laser Ablation System for Removal of Residual Cancer in a Mouse Model of Soft Tissue Sarcoma. Theranostics, 2016, 6, 155-166.	4.6	20
97	Epigenetic silencing of Kruppel like factor-3 increases expression of pro-metastatic miR-182. Cancer Letters, 2015, 369, 202-211.	3.2	19
98	Revisiting the Role of Radiation Therapy in Chondrosarcoma: A National Cancer Database Study. Sarcoma, 2019, 2019, 1-9.	0.7	19
99	RAS and ROS in Rhabdomyosarcoma. Cancer Cell, 2013, 24, 689-691.	7.7	18
100	Margin reduction from image guided radiation therapy for soft tissue sarcoma: Secondary analysis of Radiation Therapy Oncology Group 0630 results. Practical Radiation Oncology, 2016, 6, e135-e140.	1.1	18
101	Methods to Generate Genetically Engineered Mouse Models of Soft Tissue Sarcoma. Methods in Molecular Biology, 2015, 1267, 283-295.	0.4	18
102	Efficacy of Phosphatidylinositol-3 Kinase Inhibitors in a Primary Mouse Model of Undifferentiated Pleomorphic Sarcoma. Sarcoma, 2012, 2012, 1-8.	0.7	17
103	Quantitative Segmentation of Fluorescence Microscopy Images of Heterogeneous Tissue: Application to the Detection of Residual Disease in Tumor Margins. PLoS ONE, 2013, 8, e66198.	1.1	17
104	Effects of chondroitin sulfate proteoglycan 4 (NG2/CSPG4) on soft-tissue sarcoma growth depend on tumor developmental stage. Journal of Biological Chemistry, 2018, 293, 2466-2475.	1.6	16
105	The Long Noncoding RNA<i>NEAT1</i>Promotes Sarcoma Metastasis by Regulating RNA Splicing Pathways. Molecular Cancer Research, 2020, 18, 1534-1544.	1.5	16
106	SU2C-SARC032: A phase II randomized controlled trial of neoadjuvant pembrolizumab with radiotherapy and adjuvant pembrolizumab for high-risk soft tissue sarcoma.. Journal of Clinical Oncology, 2018, 36, TPS11588-TPS11588.	0.8	16
107	Using Genetically Engineered Mice for Radiation Research. Radiation Research, 2011, 176, 275-279.	0.7	15
108	Efficacy and Safety of Low-Dose Iodine Plaque Brachytherapy for Juxtapapillary Choroidal Melanoma. American Journal of Ophthalmology, 2018, 186, 32-40.	1.7	14

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109	Sensitization of Vascular Endothelial Cells to Ionizing Radiation Promotes the Development of Delayed Intestinal Injury in Mice. Radiation Research, 2019, 192, 258.	0.7	13
110	Preoperative radiotherapy for retroperitoneal sarcoma. Lancet Oncology, The, 2021, 22, e1.	5.1	13
111	Characterization of cardiovascular injury in mice following partial-heart irradiation with clinically relevant dose and fractionation. Radiotherapy and Oncology, 2021, 157, 155-162.	0.3	13
112	An extra copy of p53 suppresses development of spontaneous Kras-driven but not radiation-induced cancer. JCI Insight, 2016, 1, .	2.3	13
113	Pathologic Complete Response of a Malignant Peripheral Nerve Sheath Tumor in the Lung Treated With Neoadjuvant Ifosfamide and Radiation Therapy. Journal of Clinical Oncology, 2012, 30, e291-e293.	0.8	12
114	Algorithms for differentiating between images of heterogeneous tissue across fluorescence microscopes. Biomedical Optics Express, 2016, 7, 3412.	1.5	12
115	Distal airway epithelial progenitor cells are radiosensitive to High-LET radiation. Scientific Reports, 2016, 6, 33455.	1.6	12
116	Loss of MST/Hippo Signaling in a Genetically Engineered Mouse Model of Fusion-Positive Rhabdomyosarcoma Accelerates Tumorigenesis. Cancer Research, 2018, 78, 5513-5520.	0.4	12
117	The Use of Radiation Therapy in Well-Differentiated Soft Tissue Sarcoma of the Extremities: An NCDB Review. Sarcoma, 2015, 2015, 1-12.	0.7	11
118	Notch-Induced Myeloid Reprogramming in Spontaneous Pancreatic Ductal Adenocarcinoma by Dual Genetic Targeting. Cancer Research, 2018, 78, 4997-5010.	0.4	11
119	Injury promotes sarcoma development in a genetically and temporally restricted manner. JCI Insight, 2018, 3, .	2.3	11
120	Pathologic complete response and survival outcomes in patients with localized soft tissue sarcoma treated with neoadjuvant chemoradiotherapy or radiotherapy: Long-term update of NRG Oncology RTOG 9514 and 0630.. Journal of Clinical Oncology, 2017, 35, 11012-11012.	0.8	11
121	Targeting the ATM Kinase to Enhance the Efficacy of Radiotherapy and Outcomes for Cancer Patients. Seminars in Radiation Oncology, 2022, 32, 3-14.	1.0	11
122	The Holman Research Pathway in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2011, 80, 321-323.	0.4	10
123	Whole-Exome Sequencing of Radiation-Induced Thymic Lymphoma in Mouse Models Identifies Notch1 Activation as a Driver of p53 Wild-Type Lymphoma. Cancer Research, 2021, 81, 3777-3790.	0.4	10
124	Opportunities for Radiosensitization in the Stereotactic Body Radiation Therapy (SBRT) Era. Cancer Journal (Sudbury, Mass), 2016, 22, 267-273.	1.0	9
125	The Fusion Oncogene FUS-CHOP Drives Sarcomagenesis of High-Grade Spindle Cell Sarcomas in Mice. Sarcoma, 2019, 2019, 1-14.	0.7	9
126	A quantitative microscopic approach to predict local recurrence based on <i>in vivo</i> intraoperative imaging of sarcoma tumor margins. International Journal of Cancer, 2015, 137, 2403-2412.	2.3	8

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127	Technological Advances, Biologic Rationales, and the Associated Success of Chemotherapy With Hyperthermia in Improved Outcomes in Patients With Sarcoma. JAMA Oncology, 2018, 4, 493.	3.4	8
128	Practice Patterns for the Treatment of Uveal Melanoma with Iodine-125 Plaque Brachytherapy: Ocular Oncology Study Consortium Report 5. Ocular Oncology and Pathology, 2020, 6, 210-218.	0.5	8
129	Inhibiting Glycogen Synthase Kinase-3 Mitigates the Hematopoietic Acute Radiation Syndrome in a Sex- and Strain-dependent Manner in Mice. Health Physics, 2020, 119, 315-321.	0.3	8
130	A design process for a 3D printed patient-specific applicator for HDR brachytherapy of the orbit. 3D Printing in Medicine, 2020, 6, 15.	1.7	8
131	The generation and characterization of novel<i>Col1a1</i><i>FRT-Cre-ER-T2-FRT</i>and<i>Col1a1</i><i>FRT-STOP-FRT-Cre-ER-T2</i>mice for sequential mutagenesis. DMM Disease Models and Mechanisms, 2015, 8, 1155-66.	1.2	7
132	Tailoring Adjuvant Radiation Therapy by Intraoperative Imaging to Detect Residual Cancer. Seminars in Radiation Oncology, 2015, 25, 313-321.	1.0	7
133	Structured Illumination Microscopy and a Quantitative Image Analysis for the Detection of Positive Margins in a Pre-Clinical Genetically Engineered Mouse Model of Sarcoma. PLoS ONE, 2016, 11, e0147006.	1.1	7
134	Radiosensitizing the Vasculature of Primary Brainstem Gliomas Fails to Improve Tumor Response to Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2022, 112, 771-779.	0.4	7
135	A precision 3D conformal treatment technique in rats: Application to wholeâ€brain radiotherapy with hippocampal avoidance. Medical Physics, 2017, 44, 6008-6017.	1.6	6
136	Correlation of High-Risk Soft Tissue Sarcoma Biomarker Expression Patterns with Outcome following Neoadjuvant Chemoradiation. Sarcoma, 2018, 2018, 1-10.	0.7	6
137	Investigating a chimeric anti-mouse PDGFRÎ± antibody as a radiosensitizer in primary mouse sarcomas. EBioMedicine, 2019, 40, 224-230.	2.7	6
138	Genome-wide CRISPR Screen to Identify Genes that Suppress Transformation in the Presence of Endogenous KrasG12D. Scientific Reports, 2019, 9, 17220.	1.6	6
139	Radiation Therapy as a Treatment for COVID-19?. International Journal of Radiation Oncology Biology Physics, 2020, 108, 1140-1142.	0.4	6
140	Tumor Subtype Determines Therapeutic Response to Chimeric Polypeptide Nanoparticleâ€“based Chemotherapy in <i>Pten</i>-deleted Mouse Models of Sarcoma. Clinical Cancer Research, 2020, 26, 5036-5047.	3.2	6
141	MDM2 inhibitor AMG-232 and radiation therapy in treating patients with soft tissue sarcoma with wild-type TP53: A phase IB study (NRG-DT001).. Journal of Clinical Oncology, 2019, 37, TPS11076-TPS11076.	0.8	6
142	Reining in Radiation Injury: HIF2Î± in the Gut. Science Translational Medicine, 2014, 6, 236fs20.	5.8	5
143	Biomarkers for Predicting Radiation Response. Seminars in Radiation Oncology, 2015, 25, 225-226.	1.0	5
144	A method for generating intensityâ€modulated radiation therapy fields for small animal irradiators utilizing 3Dâ€printed compensator molds. Medical Physics, 2020, 47, 4363-4371.	1.6	5

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145	Ex Vivo MR Histology and Cytometric Feature Mapping Connect Three-dimensional in Vivo MR Images to Two-dimensional Histopathologic Images of Murine Sarcomas. Radiology Imaging Cancer, 2021, 3, e200103.	0.7	5
146	Extent of tumor fibrosis/hyalinization and infarction following neoadjuvant radiation therapy is associated with improved survival in patients with softâ€tissue sarcoma. Cancer Medicine, 2022, 11, 194-206.	1.3	5
147	Mice Lacking RIP3 Kinase are not Protected from Acute Radiation Syndrome. Radiation Research, 2018, 189, 627.	0.7	4
148	Radiation-Induced Phosphorylation of a Prion-Like Domain Regulates Transformation by FUS-CHOP. Cancer Research, 2021, 81, 4939-4948.	0.4	4
149	Comparison of 3D Conformal Proton Therapy, Intensity-Modulated Proton Therapy, and Intensity-Modulated Photon Therapy for Retroperitoneal Sarcoma. Sarcoma, 2022, 2022, 1-9.	0.7	4
150	MicroRNA-16 suppresses metastasis in an orthotopic, but not autochthonous, mouse model of soft tissue sarcoma. DMM Disease Models and Mechanisms, 2015, 8, 867-75.	1.2	3
151	Current Opportunities and Future Vision of Precision Medicine in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2018, 101, 267-270.	0.4	3
152	Safely combining trabectedin with radiotherapy to treat myxoid liposarcoma. EClinicalMedicine, 2019, 9, 5-6.	3.2	3
153	Response Letter: Radiation therapy for COVID-19 pneumopathy. Radiotherapy and Oncology, 2020, 149, 238-239.	0.3	3
154	A phase I study of the safety and activation of a cathepsin-activatable fluorescent cancer-specific probe LUM015.. Journal of Clinical Oncology, 2014, 32, TPS11135-TPS11135.	0.8	3
155	Investigating the Role of Inflammasome Caspases 1 and 11 in the Acute Radiation Syndrome. Radiation Research, 2021, 196, 686-689.	0.7	3
156	Cell Death Identification in Anticancer Therapyâ€"Letter. Cancer Research, 2015, 75, 3681-3681.	0.4	2
157	Externally applied high-dose-rate brachytherapy for deeply invasive cutaneous squamous cell carcinoma in an older patient. Practical Radiation Oncology, 2016, 6, e141-e144.	1.1	2
158	Response to Central Boost Radiation Therapy in an Unresectable Retroperitoneal Sarcoma: A Case Report. Advances in Radiation Oncology, 2020, 5, 1375-1379.	0.6	2
159	Fostering Radiation Oncology Physician Scientist Trainees Within a Diverse Workforce: The Radiation Oncology Research Scholar Track. International Journal of Radiation Oncology Biology Physics, 2021, 110, 288-291.	0.4	2
160	Sensitization of Endothelial Cells to Ionizing Radiation Exacerbates Delayed Radiation Myelopathy in Mice. Radiation Research, 2021, 197, 000-000.	0.7	2
161	Preliminary Results of Uveal Melanoma Treated With Iodine-125 Plaques: Analysis of Disease Control and Visual Outcomes With 63 Gy to the Target Volume. Advances in Radiation Oncology, 2022, 7, 100869.	0.6	2
162	Functional assay to guide precision radiotherapy by assessing individual patient radiosensitivity. EBioMedicine, 2019, 41, 26-27.	2.7	1

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163	Data analysis: evaluation of nanoscale contrast agent enhanced CT scan to differentiate between benign and malignant lung cancer in mouse model. AMIA ... Annual Symposium proceedings, 2012, 2012, 27-35.	0.2	1
164	Phase I trial of the ATR inhibitor BAY 1895344 combined with stereotactic body radiation therapy and pembrolizumab for recurrent head and neck squamous cell carcinoma.. Journal of Clinical Oncology, 2022, 40, TPS6108-TPS6108.	0.8	1
165	In Response to Dr. Garbow and Colleagues. International Journal of Radiation Oncology Biology Physics, 2011, 79, 959.	0.4	0
166	Quantitative segmentation of fluorescence microscopy images of heterogeneous tissue: Approach for tuning algorithm parameters. , 2013, , .		0
167	Tumor-propagating side population cells are a dynamic subpopulation in undifferentiated pleomorphic sarcoma. JCI Insight, 2021, 6, .	2.3	0
168	Deletion of Bak and Bax in Tie2+ BM Hematopoietic Stem Cells Induces a B Cell Lymphoproliferative Disorder.. Blood, 2009, 114, 1247-1247.	0.6	0
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