

M Waleed Gaber

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,318
citations

279798

23
h-index

161849

54
g-index

58
all docs

58
docs citations

58
times ranked

6671
citing authors

#	ARTICLE	IF	CITATIONS
1	A Perivascular Niche for Brain Tumor Stem Cells. <i>Cancer Cell</i> , 2007, 11, 69-82.	16.8	1,994
2	Asprosin, a Fasting-Induced Glucogenic Protein Hormone. <i>Cell</i> , 2016, 165, 566-579.	28.9	324
3	A chitosan/ β -glycerophosphate thermo-sensitive gel for the delivery of ellagic acid for the treatment of brain cancer. <i>Biomaterials</i> , 2010, 31, 4157-4166.	11.4	216
4	Effects of fractionated radiation on the brain vasculature in a murine model: Blood-brain barrier permeability, astrocyte proliferation, and ultrastructural changes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 860-866.	0.8	173
5	Radiation-induced permeability and leukocyte adhesion in the rat blood-brain barrier: modulation with anti-ICAM-1 antibodies. <i>Brain Research</i> , 2003, 969, 59-69.	2.2	163
6	Improved Intratumoral Oxygenation Through Vascular Normalization Increases Glioma Sensitivity to Ionizing Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1537-1545.	0.8	122
7	Radiation-Induced Astrogliosis and Blood-Brain Barrier Damage Can Be Abrogated Using Anti-TNF Treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 934-941.	0.8	121
8	Radiation dose-volume effects on growth hormone secretion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 52, 1264-1270.	0.8	109
9	Differences in ICAM-1 and TNF- α expression between large single fraction and fractionated irradiation in mouse brain. <i>International Journal of Radiation Biology</i> , 2003, 79, 359-366.	1.8	96
10	Platelet-Activating Factor Receptor and Innate Immunity: Uptake of Gram-Positive Bacterial Cell Wall into Host Cells and Cell-Specific Pathophysiology. <i>Journal of Immunology</i> , 2006, 177, 6182-6191.	0.8	85
11	Vascular-targeted photothermal therapy of an orthotopic murine glioma model. <i>Nanomedicine</i> , 2012, 7, 1133-1148.	3.3	66
12	Late Effects of Ionizing Radiation on the Microvascular Networks in Normal Tissue. <i>Radiation Research</i> , 2000, 154, 531-536.	1.5	63
13	The bone microenvironment increases phenotypic plasticity of ER+ breast cancer cells. <i>Developmental Cell</i> , 2021, 56, 1100-1117.e9.	7.0	63
14	An intravital microscopy study of radiation-induced changes in permeability and leukocyte-endothelial cell interactions in the microvessels of the rat pia mater and cremaster muscle. <i>Brain Research Protocols</i> , 2004, 13, 1-10.	1.6	56
15	Novel patient-derived xenograft and cell line models for therapeutic testing of pediatric liver cancer. <i>Journal of Hepatology</i> , 2016, 65, 325-333.	3.7	56
16	Radiation-Induced Up-regulation of Adhesion Molecules in Brain Microvasculature and their Modulation by Dexamethasone. <i>Radiation Research</i> , 2005, 163, 544-551.	1.5	53
17	Targeting microparticles to select tissue via radiation-induced upregulation of endothelial cell adhesion molecules. <i>Pharmaceutical Research</i> , 2002, 19, 1317-1322.	3.5	50
18	Neurogenesis, Exercise, and Cognitive Late Effects of Pediatric Radiotherapy. <i>Neural Plasticity</i> , 2013, 2013, 1-12.	2.2	41

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19	Anti-TNFA (TNF- $\hat{\pm}$) Treatment Abrogates Radiation-Induced Changes in Vascular Density and Tissue Oxygenation. <i>Radiation Research</i> , 2007, 167, 80-86.	1.5	36
20	Development of chitosan-ellagic acid films as a local drug delivery system to induce apoptotic death of human melanoma cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 90B, 145-155.	3.4	33
21	Continuous Delivery of IFN- $\hat{2}$ Promotes Sustained Maturation of Intratumoral Vasculature. <i>Molecular Cancer Research</i> , 2007, 5, 531-542.	3.4	32
22	Exercise ameliorates neurocognitive impairments in a translational model of pediatric radiotherapy. <i>Neuro-Oncology</i> , 2018, 20, 695-704.	1.2	32
23	Image-based Classification of Tumor Type and Growth Rate using Machine Learning: a preclinical study. <i>Scientific Reports</i> , 2019, 9, 12529.	3.3	32
24	Comparison of two immobilization techniques using portal film and digitally reconstructed radiographs for pediatric patients with brain tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 48, 1233-1240.	0.8	23
25	A steroid receptor coactivator stimulator (MCB-613) attenuates adverse remodeling after myocardial infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31353-31364.	7.1	20
26	Adaptive thermogenesis enhances the life-threatening response to heat in mice with an Ryr1 mutation. <i>Nature Communications</i> , 2020, 11, 5099.	12.8	16
27	Cytokine and Growth Factor Responses After Radiotherapy for Localized Ependymoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 159-167.	0.8	14
28	Effect of radiation on the penetration of irinotecan in rat cerebrospinal fluid. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 68, 721-731.	2.3	14
29	Radiation-Induced Growth Retardation and Microstructural and Metabolite Abnormalities in the Hippocampus. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	2.2	14
30	Radiation Combined Injury Models to Study the Effects of Interventions and Wound Biomechanics. <i>Radiation Research</i> , 2014, 182, 640.	1.5	13
31	Beneficial Effects of Prebiotic <i>Saccharomyces cerevisiae</i> Mannan on Allergic Asthma Mouse Models. <i>Journal of Immunology Research</i> , 2017, 2017, 1-10.	2.2	13
32	Oxygen Delivery in Irradiated Normal Tissue. <i>Journal of Radiation Research</i> , 2003, 44, 15-21.	1.6	12
33	Olfactory Memory Impairment Differs by Sex in a Rodent Model of Pediatric Radiotherapy. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 158.	2.0	12
34	A recombinant protein and a chemically synthesized peptide containing the active peptides of the platelet collagen receptors inhibit ferric chloride-induced thrombosis in a rat model. <i>Thrombosis Research</i> , 2007, 121, 419-426.	1.7	11
35	IFN- $\hat{2}$ Restricts Tumor Growth and Sensitizes Alveolar Rhabdomyosarcoma to Ionizing Radiation. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 761-771.	4.1	11
36	Imaging of Human Islet Vascularization Using a Dorsal Window Model. <i>Transplantation Proceedings</i> , 2010, 42, 2112-2114.	0.6	11

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37	Effects of Irradiation on Brain Vasculature Using an In Situ Tumor Model. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1075-1082.	0.8	11
38	A comprehensive preclinical assessment of late-term imaging markers of radiation-induced brain injury. Neuro-Oncology Advances, 2019, 1, vdz012.	0.7	11
39	Changes in Abdominal Wounds Following Treatment With Sirolimus and Steroids in a Rat Model. Transplantation Proceedings, 2006, 38, 3331-3332.	0.6	10
40	Mapping Radiation Injury and Recovery in Bone Marrow Using ¹⁸ F-FLT PET/CT and USPIO MRI in a Rat Model. Journal of Nuclear Medicine, 2016, 57, 266-271.	5.0	10
41	Imaging Radiation-Induced Gastrointestinal, Bone Marrow Injury and Recovery Kinetics Using 18F-FDG PET. PLoS ONE, 2017, 12, e0169082.	2.5	10
42	Particle Radiation Induced Neurotoxicity in the Central Nervous System. International Journal of Particle Therapy, 2018, 5, 74-83.	1.8	10
43	Modulation of collagen-induced arthritis by adenovirus-mediated intra-articular expression of modified collagen type II. Arthritis Research and Therapy, 2010, 12, R136.	3.5	9
44	Investigating the Abscopal Effects of Radioablation on Shielded Bone Marrow in Rodent Models Using Multimodality Imaging. Radiation Research, 2017, 188, 56.	1.5	7
45	Quantum tunneling of flux lines in a high-Tc superconductor. Physical Review B, 1995, 52, 1314-1319.	3.2	6
46	Dysfunctional Microvascular Conducted Response in Irradiated Normal Tissue. Advances in Experimental Medicine and Biology, 2003, 510, 391-395.	1.6	6
47	Four-arm variable-resolution x-ray detector for CT target imaging. , 2005, , .		5
48	In Vitro and In Vivo Characterization of a Preclinical Irradiation-Adapted Model for Ewing Sarcoma. International Journal of Radiation Oncology Biology Physics, 2018, 101, 118-127.	0.8	5
49	Effect of Brain Tumor Presence During Radiation on Tissue Toxicity: Transcriptomic and Metabolic Changes. International Journal of Radiation Oncology Biology Physics, 2017, 99, 983-993.	0.8	4
50	Cognitive and Imaging Differences After Proton and Photon Whole Brain Irradiation in a Preclinical Model. International Journal of Radiation Oncology Biology Physics, 2022, 112, 554-564.	0.8	4
51	Differentiation of Heterogeneous Radiation Exposure Using Hematology and Blood Chemistry. Radiation Research, 2019, 193, 24.	1.5	3
52	NF- κ B Blockade by NEMO Binding Domain Peptide Ameliorates Inflammation and Neurobehavioral Sequelae After Cranial Radiation Therapy in Juvenile Mice. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1508-1520.	0.8	3
53	Cross-Sectional Characterization of Local Brain Network Connectivity Pre and Post Breast Cancer Treatment and Distinct Association With Subjective Cognitive and Psychological Function. Frontiers in Neurology, 2021, 12, 746493.	2.4	2
54	Quantum Tunneling of Massive Flux Lines in a High-Tc Superconductor. Physica Status Solidi (B): Basic Research, 1999, 211, 737-742.	1.5	1

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55	Echocardiography Differentiates Lethally Irradiated Whole-Body From Partial-Body Exposed Rats. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 138.	2.4	1
56	Development of portal CT reconstruction using MLS-ART technique and the kinestatic charge detector imaging system: I. Low-energy x-ray studies. , 1998, 3336, 716.		0
57	Non-eikonal corrections for the scattering of spin-one particles. <i>European Physical Journal A</i> , 2004, 21, 185-192.	2.5	0
58	Volumetric analysis of tumors in rodents using the variable resolution x-ray (VRX) CT-scanner. , 2005, , .		0