Isabel L Jackson

List of Publications by Year
in descending order

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57 papers	1,345 citations	361296 20 h-index	345118 36 g-index
58 all docs	58 docs citations	58 times ranked	1398 citing authors

#	Article	IF	Citations
1	All for one, though not one for all: team players in normal tissue radiobiology. International Journal of Radiation Biology, 2022, 98, 346-366.	1.0	2
2	Interspecies Comparison and Radiation Effect on Pharmacokinetics of BIO 300, a Nanosuspension of Genistein, after Different Routes of Administration in Mice and Non-Human Primates. Radiation Research, 2022, 197, .	0.7	7
3	Medical countermeasures for the hematopoietic-subsyndrome of acute radiation syndrome in space. Life Sciences in Space Research, 2022, 35, 36-43.	1.2	3
4	A New Zealand White rabbit model of thrombocytopenia and coagulopathy following total body irradiation across the dose range to induce the hematopoietic-subsyndrome of acute radiation syndrome. International Journal of Radiation Biology, 2021, 97, S19-S31.	1.0	7
5	Characterization of the hemorrhagic syndrome in the New Zealand white rabbit model following total body irradiation. International Journal of Radiation Biology, 2021, 97, S32-S44.	1.0	3
6	Best Practices for Authentication of Cell Lines to Ensure Data Reproducibility and Integrity. Radiation Research, 2021, 197, .	0.7	0
7	Addressing the Impact of Systemic Racism in Radiation Oncology. Advances in Radiation Oncology, 2020, 5, 791-792.	0.6	1
8	Use of CT simulation and 3-D radiation therapy treatment planning system to develop and validate a total-body irradiation technique for the New Zealand White rabbit. International Journal of Radiation Biology, 2020, , 1-10.	1.0	3
9	Irradiation-Induced Upregulation of miR-711 Inhibits DNA Repair and Promotes Neurodegeneration Pathways. International Journal of Molecular Sciences, 2020, 21, 5239.	1.8	7
10	Down-Regulation of miR-23a-3p Mediates Irradiation-Induced Neuronal Apoptosis. International Journal of Molecular Sciences, 2020, 21, 3695.	1.8	17
11	Psychological stress enhances tumor growth and diminishes radiation response in preclinical model of lung cancer. Radiotherapy and Oncology, 2020, 146, 126-135.	0.3	21
12	A Systematic Review of Metabolomic and Lipidomic Candidates for Biomarkers in Radiation Injury. Metabolites, 2020, 10, 259.	1.3	19
13	Manufacturing biological medicines on demand: Safety and efficacy of granulocyte colonyâ€stimulating factor in a mouse model of total body irradiation. Biotechnology Progress, 2020, 36, e2970.	1.3	6
14	BIO 300, a Nanosuspension of Genistein, Mitigates Radiation-Induced Erectile Dysfunction and Sensitizes Human Prostate Cancer Xenografts to Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 105, 400-409.	0.4	18
15	ASTRO Journalsâ€™ Data Sharing Policy and Recommended Best Practices. Advances in Radiation Oncology, 2019, 4, 551-558.	0.6	6
16	Mild hyperthermia as a localized radiosensitizer for deep-seated tumors: investigation in an orthotopic prostate cancer model in mice. British Journal of Radiology, 2019, 92, 20180759.	1.0	11
17	Agglutination testing for human erythrocyte product in the rhesus macaque. Transfusion, 2019, 59, 1518-1521.	0.8	1
18	Hematological Effects of Non-Homogenous Ionizing Radiation Exposure in a Non-Human Primate Model. Radiation Research, 2019, 191, 428.	0.7	5

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19	Evaluation of combined anti-PD-1 immunotherapy and radiation therapy in a preclinical mouse model of pneumonitis and fibrosis. Journal of Thoracic Disease, 2018, 10, 6254-6260.	0.6	6
20	Development of A Novel Murine Model of Combined Radiation and Peripheral Tissue Trauma Injuries. Radiation Research, 2017, 187, 241-250.	0.7	2
21	Gene expression profiles among murine strains segregate with distinct differences in the progression of radiation-induced lung disease. DMM Disease Models and Mechanisms, 2017, 10, 425-437.	1.2	17
22	BIO 300, a nanosuspension of genistein, mitigates pneumonitis/fibrosis following highâ€dose radiation exposure in the C57L/J murine model. British Journal of Pharmacology, 2017, 174, 4738-4750.	2.7	40
23	Targeted Metabolomics Identifies Pharmacodynamic Biomarkers for BIO 300 Mitigation of Radiation-Induced Lung Injury. Pharmaceutical Research, 2017, 34, 2698-2709.	1.7	25
24	Cavernous Nerve Injury by Radiation Therapy May Potentiate Erectile Dysfunction in Rats. International Journal of Radiation Oncology Biology Physics, 2017, 99, 680-688.	0.4	22
25	Ultraperformance convergence chromatographyâ€high resolution tandem mass spectrometry for lipid biomarker profiling and identification. Biomedical Chromatography, 2017, 31, e3822.	0.8	24
26	Hypo-CpG methylation controls PTEN expression and cell apoptosis in irradiated lung. Free Radical Research, 2016, 50, 875-886.	1.5	14
27	A survey of changing trends in modelling radiation lung injury in mice: bringing out the good, the bad, and the uncertain. Laboratory Investigation, 2016, 96, 936-949.	1.7	40
28	Radiation-induced erectile dysfunction: Recent advances and future directions. Advances in Radiation Oncology, 2016, 1, 161-169.	0.6	50
29	Pathophysiological mechanisms underlying phenotypic differences in pulmonary radioresponse. Scientific Reports, 2016, 6, 36579.	1.6	18
30	Redox-Based Therapeutics for Prevention, Mitigation, and Treatment of Lung Injury Secondary to Radiation Exposure. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 627-646.	0.4	0
31	Mechanisms of Normal Tissue Response. , 2016, , 1-28.		0
32	Dose Optimization Study of AEOL 10150 as a Mitigator of Radiation-Induced Lung Injury in CBA/J Mice. Radiation Research, 2015, 184, 422-432.	0.7	18
33	Pilot Study Evaluating a Rat Model of Radiation-induced Erectile Dysfunction Using an Image-guided Microirradiator. Urology, 2015, 85, 1214.e1-1214.e6.	0.5	11
34	Subcutaneous administration of bovine superoxide dismutase protects lungs from radiation-induced lung injury. Free Radical Research, 2015, 49, 1259-1268.	1.5	12
35	Characterization of the Dose Response Relationship for Lung Injury Following Acute Radiation Exposure in Three Well-established Murine Strains. Health Physics, 2014, 106, 48-55.	0.3	37
36	Identification and Quantitation of Biomarkers for Radiation-induced Injury via Mass Spectrometry. Health Physics, 2014, 106, 106-119.	0.3	43

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37	Molecular Mechanisms of Radiation Induced Injury. Medical Radiology, 2014, , 41-51.	0.0	0
38	Biodetection and Biointervention: Cytokine Pathways as a Rationale for Anti-cytokine Interventions Post-Radiation. Medical Radiology, 2014, , 53-64.	0.0	0
39	Radiation-Induced Lung Injury Is Mitigated by Blockade of Gastrin-Releasing Peptide. American Journal of Pathology, 2013, 182, 1248-1254.	1.9	13
40	Analysis of Single Nucleotide Polymorphisms and Radiation Sensitivity of the Lung Assessed With an Objective Radiologic Endpoin. Clinical Lung Cancer, 2013, 14, 267-274.	1.1	28
41	Do Variations in Mast Cell Hyperplasia Account for Differences in Radiation-Induced Lung Injury among Different Mouse Strains, Rats and Nonhuman Primates?. Radiation Research, 2013, 180, 216-221.	0.7	4
42	Gastrinâ€Releasing Peptide (GRP) Mediates Early Radiationâ€Induced Airway Responses Predictive of Later Lung Injury. FASEB Journal, 2013, 27, lb448.	0.2	0
43	Development and Licensure of Medical Countermeasures to Treat Lung Damage Resulting from a Radiological or Nuclear Incident. Radiation Research, 2012, 177, 717-721.	0.7	31
44	Development and Dosimetry of a Small Animal Lung Irradiation Platform. Health Physics, 2012, 103, 454-462.	0.3	14
45	A Preclinical Rodent Model of Radiation-induced Lung Injury for Medical Countermeasure Screening in Accordance With the FDA Animal Rule. Health Physics, 2012, 103, 463-473.	0.3	67
46	Oxidative Stress Mediates Radiation Lung Injury by Inducing Apoptosis. International Journal of Radiation Oncology Biology Physics, 2012, 83, 740-748.	0.4	71
47	Temporal expression of hypoxia-regulated genes is associated with early changes in redox status in irradiated lung. Free Radical Biology and Medicine, 2012, 53, 337-346.	1.3	19
48	Role of Oxidative Stress in a Rat Model of Radiation-Induced Erectile Dysfunction. Journal of Sexual Medicine, 2012, 9, 1535-1549.	0.3	37
49	Prognostic Significance of Carbonic Anhydrase IX (CA-IX), Endoglin (CD105) and 8-hydroxy-2â€²-deoxyguanosine (8-OHdG) in Breast Cancer Patients. Pathology and Oncology Research, 2011, 17, 593-603.	0.9	27
50	A Further Comparison of Pathologies after Thoracic Irradiation among Different Mouse Strains: Finding the Best Preclinical Model for Evaluating Therapies Directed Against Radiation-Induced Lung Damage. Radiation Research, 2011, 175, 510-518.	0.7	66
51	Proteomic Analysis of Radiation-Induced Changes in Rat Lung: Modulation by the Superoxide Dismutase Mimetic MnTE-2-PyP5+. International Journal of Radiation Oncology Biology Physics, 2010, 78, 547-554.	0.4	16
52	Revisiting Strain-Related Differences in Radiation Sensitivity of the Mouse Lung: Recognizing and Avoiding the Confounding Effects of Pleural Effusions. Radiation Research, 2010, 173, 10-20.	0.7	93
53	Target-Based Interventions to Treat Radiation-Induced Lung Injury. Medical Radiology, 2009, , 221-241.	0.0	0
54	Superoxide dismutase mimetic reduces hypoxia-induced , TGF-Î², and VEGF production by macrophages. Free Radical Research, 2007, 41, 8-14.	1.5	56

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55	Temporal Onset of Hypoxia and Oxidative Stress After Pulmonary Irradiation. International Journal of Radiation Oncology Biology Physics, 2007, 68, 196-204.	0.4	134
56	Radioprotective Effects of Amifostine on Acute and Chronic Esophageal Injury in Rodents. International Journal of Radiation Oncology Biology Physics, 2007, 69, 534-540.	0.4	13
57	Using Biological Markers to Predict Risk of Radiation Injury. Seminars in Radiation Oncology, 2007, 17, 89-98.	1.0	104