

Rupak Pathak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Platelet glycoprotein Ib \pm provides radiation protection. <i>Radiotherapy and Oncology</i> , 2022, 167, 143-148.	0.6	1
2	Methods for induction and assessment of intestinal permeability in rodent models of radiation injury. <i>Methods in Cell Biology</i> , 2022, 168, 235-247.	1.1	1
3	Ionizing Radiation Activates Mitochondrial Function in Osteoclasts and Causes Bone Loss in Young Adult Male Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 675.	4.1	9
4	Synthetic Matrices for Intestinal Organoid Culture: Implications for Better Performance. <i>ACS Omega</i> , 2022, 7, 38-47.	3.5	16
5	Molecular Cytogenetics Reveals Mosaicism in Human Umbilical Vein Endothelial Cells. <i>Genes</i> , 2022, 13, 1012.	2.4	1
6	Simultaneous exposure to chronic irradiation and simulated microgravity differentially alters immune cell phenotype in mouse thymus and spleen. <i>Life Sciences in Space Research</i> , 2021, 28, 66-73.	2.3	12
7	Dietary Methionine Supplementation Exacerbates Gastrointestinal Toxicity in a Mouse Model of Abdominal Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 581-593.	0.8	7
8	Dietary Methionine Deficiency Enhances Genetic Instability in Murine Immune Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2378.	4.1	4
9	Differential Recovery of Small Intestinal Segments after Partial-Body Irradiation in Non-Human Primates. <i>Radiation Research</i> , 2021, 196, 204-212.	1.5	5
10	Plasma Metabolomics in a Nonhuman Primate Model of Abdominal Radiation Exposure. <i>Metabolites</i> , 2021, 11, 540.	2.9	0
11	Mitigation of late cardiovascular effects of oxygen ion radiation by \hat{I}^3 -tocotrienol in a mouse model. <i>Life Sciences in Space Research</i> , 2021, 31, 43-50.	2.3	3
12	NZO/HILtj as a novel model for the studies on the role of metabolic syndrome in acute radiation toxicity. <i>International Journal of Radiation Biology</i> , 2020, 96, 93-99.	1.8	5
13	Methionine dietary supplementation potentiates ionizing radiation-induced gastrointestinal syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G439-G450.	3.4	14
14	Fractionated radiation suppresses Kruppel-like factor 2 pathway to a greater extent than by single exposure to the same total dose. <i>Scientific Reports</i> , 2020, 10, 7734.	3.3	4
15	Identification of novel breakpoints for locus- and region-specific translocations in 293 cells by molecular cytogenetics before and after irradiation. <i>Scientific Reports</i> , 2019, 9, 10554.	3.3	20
16	Enhanced Survival in Mice Exposed to Ionizing Radiation by Combination of Gamma-Tocotrienol and Simvastatin. <i>Military Medicine</i> , 2019, 184, 644-651.	0.8	11
17	Gamma-Tocotrienol Protects the Intestine from Radiation Potentially by Accelerating Mesenchymal Immune Cell Recovery. <i>Antioxidants</i> , 2019, 8, 57.	5.1	13
18	Utilization of Vitamin E Analogs to Protect Normal Tissues While Enhancing Antitumor Effects. <i>Seminars in Radiation Oncology</i> , 2019, 29, 55-61.	2.2	17

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19	Therapeutic potential of natural plant products and their metabolites in preventing radiation enteropathy resulting from abdominal or pelvic irradiation. <i>International Journal of Radiation Biology</i> , 2019, 95, 493-505.	1.8	11
20	Cebpd Is Essential for Gamma-Tocotrienol Mediated Protection against Radiation-Induced Hematopoietic and Intestinal Injury. <i>Antioxidants</i> , 2018, 7, 55.	5.1	17
21	Whole body proton irradiation causes acute damage to bone marrow hematopoietic progenitor and stem cells in mice. <i>International Journal of Radiation Biology</i> , 2017, 93, 1312-1320.	1.8	9
22	Detection of Inter-chromosomal Stable Aberrations by Multiple Fluorescence <i>In Situ</i> Hybridization (mFISH) and Spectral Karyotyping (SKY) in Irradiated Mice. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3
23	Inter-Strain Differences in LINE-1 DNA Methylation in the Mouse Hematopoietic System in Response to Exposure to Ionizing Radiation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1430.	4.1	28
24	Short-term dietary methionine supplementation affects one-carbon metabolism and DNA methylation in the mouse gut and leads to altered microbiome profiles, barrier function, gene expression and histomorphology. <i>Genes and Nutrition</i> , 2017, 12, 22.	2.5	47
25	Low doses of oxygen ion irradiation cause long-term damage to bone marrow hematopoietic progenitor and stem cells in mice. <i>PLoS ONE</i> , 2017, 12, e0189466.	2.5	11
26	Fibrinogen deficiency suppresses the development of early and delayed radiation enteropathy. <i>World Journal of Gastroenterology</i> , 2017, 23, 4701.	3.3	6
27	The Vitamin E Analog Gamma-Tocotrienol (GT3) and Statins Synergistically Up-Regulate Endothelial Thrombomodulin (TM). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1937.	4.1	10
28	Low Doses of Oxygen Ion Irradiation Cause Acute Damage to Hematopoietic Cells in Mice. <i>PLoS ONE</i> , 2016, 11, e0158097.	2.5	18
29	Recombinant Thrombomodulin (Solulin) Ameliorates Early Intestinal Radiation Toxicity in a Preclinical Rat Model. <i>Radiation Research</i> , 2016, 186, 112-120.	1.5	14
30	Densely ionizing radiation affects DNA methylation of selective LINE-1 elements. <i>Environmental Research</i> , 2016, 150, 470-481.	7.5	28
31	The Vitamin E Analog Gamma-Tocotrienol (GT3) Suppresses Radiation-Induced Cytogenetic Damage. <i>Pharmaceutical Research</i> , 2016, 33, 2117-2125.	3.5	18
32	Timing of the loss of Pten protein determines disease severity in a mouse model of myeloid malignancy. <i>Blood</i> , 2016, 127, 1912-1922.	1.4	15
33	Analysis of the Ambient Particulate Matter-induced Chromosomal Aberrations Using an <i>In Vitro</i> System. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
34	Gamma-Tocotrienol Modulates Radiation-Induced MicroRNA Expression in Mouse Spleen. <i>Radiation Research</i> , 2016, 185, 485.	1.5	24
35	Modulation of Radiation Response by the Tetrahydrobiopterin Pathway. <i>Antioxidants</i> , 2015, 4, 68-81.	5.1	12
36	<i>In Vitro</i> Toxicity and Epigenotoxicity of Different Types of Ambient Particulate Matter. <i>Toxicological Sciences</i> , 2015, 148, 473-487.	3.1	29

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37	Combined exposure to protons and ⁵⁶ Fe leads to overexpression of Il13 and reactivation of repetitive elements in the mouse lung. <i>Life Sciences in Space Research</i> , 2015, 7, 1-8.	2.3	16
38	EEPD1 Rescues Stressed Replication Forks and Maintains Genome Stability by Promoting End Resection and Homologous Recombination Repair. <i>PLoS Genetics</i> , 2015, 11, e1005675.	3.5	47
39	Thrombomodulin Contributes to Gamma Tocotrienol-Mediated Lethality Protection and Hematopoietic Cell Recovery in Irradiated Mice. <i>PLoS ONE</i> , 2015, 10, e0122511.	2.5	23
40	Potential Use of Dietary Antioxidant to Prevent Radiation-Induced Genomic Instability. <i>MOJ Bioequivalence & Bioavailability</i> , 2015, 1, .	0.1	0
41	Particle Beam may have Higher Effectiveness in Treating Chemo-resistant Cancers than Low-LET Photon Beam Therapy. <i>Research and Reviews: Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 4, 1-2.	0.0	0
42	C/EBP β Deficiency Sensitizes Mice to Ionizing Radiation-Induced Hematopoietic and Intestinal Injury. <i>PLoS ONE</i> , 2014, 9, e94967.	2.5	27
43	Characterization of Transgenic <i>Gfrp</i> Knock-In Mice: Implications for Tetrahydrobiopterin in Modulation of Normal Tissue Radiation Responses. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1436-1446.	5.4	22
44	Liver Metabolomics Reveals Increased Oxidative Stress and Fibrogenic Potential in <i>Gfrp</i> Transgenic Mice in Response to Ionizing Radiation. <i>Journal of Proteome Research</i> , 2014, 13, 3065-3074.	3.7	23
45	Reduction of Radiation-Induced Vascular Nitrosative Stress by the Vitamin E Analog γ -Tocotrienol: Evidence of a Role for Tetrahydrobiopterin. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 884-891.	0.8	65
46	Genotoxic effects in M5 cells and Chinese hamster V79 cells after exposure to ⁷ Li-beam (LET=60keV/μm) and correlation of their survival dynamics to nuclear damages and cell death. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 628, 56-66.	1.7	10
47	Cell killing, nuclear damage and apoptosis in Chinese hamster V79 cells after irradiation with heavy-ion beams of ¹⁶ O, ¹² C and ⁷ Li. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 632, 58-68.	1.7	27