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Hematopoietic stem cell injury induced by ionizing radiation

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#	Paper	IF	Citations
201	Administration of the resveratrol analogues isorhapontigenin and heyneanol-A protects mice hematopoietic cells against irradiation injuries. <b>2014</b> , 2014, 282657		9
200	Reactive oxygen species in normal and tumor stem cells. <b>2014</b> , 122, 1-67		209
199	Recombinant human thrombopoietin promotes hematopoietic reconstruction after severe whole body irradiation. <b>2015</b> , 5, 12993		19
198	CDK1 Enhances Mitochondrial Bioenergetics for Radiation-Induced DNA Repair. <b>2015</b> , 13, 2056-63		56
197	Granulocyte colony-stimulating factor exacerbates hematopoietic stem cell injury after irradiation. <b>2015</b> , 5, 65		23
196	Chronic restraint-induced stress has little modifying effect on radiation hematopoietic toxicity in mice. <b>2015</b> , 56, 760-7		5
195	Novel regenerative peptide TP508 mitigates radiation-induced gastrointestinal damage by activating stem cells and preserving crypt integrity. <b>2015</b> , 95, 1222-33		23
194	Whole-body proton irradiation causes long-term damage to hematopoietic stem cells in mice. <b>2015</b> , 183, 240-8		43
193	Catalase inhibits ionizing radiation-induced apoptosis in hematopoietic stem and progenitor cells. <b>2015</b> , 24, 1342-51		28
192	The triterpenoid RTA 408 is a robust mitigator of hematopoietic acute radiation syndrome in mice. <b>2015</b> , 183, 338-44		8
191	Oxidative stress, bone marrow failure, and genome instability in hematopoietic stem cells. <b>2015</b> , 16, 2366-85		45
190	Radiation triggering immune response and inflammation. <b>2015</b> , 368, 156-63		67
189	Bone metastasis and the metastatic niche. <b>2015</b> , 93, 1203-12		98
188	p38 MAPK Inhibitor Insufficiently Attenuates HSC Senescence Administered Long-Term after 6 Gy Total Body Irradiation in Mice. <b>2016</b> , 17,		11
187	X-ray radiation effect of C-arm on adipose tissue-mesenchymal stem cell viability and population doubling time. <b>2016</b> , 25, 10-8		1
186	The Protective Effects of 5-Methoxytryptamine-Elipoic Acid on Ionizing Radiation-Induced Hematopoietic Injury. <b>2016</b> , 17,		24
185	Disruption of Notch signaling aggravates irradiation-induced bone marrow injury, which is ameliorated by a soluble Dll1 ligand through Csf2rb2 upregulation. <b>2016</b> , 6, 26003		7

184	Vam3 ameliorates total body irradiation-induced hematopoietic system injury partly by regulating the expression of Nrf2-targeted genes. <b>2016</b> , 101, 455-464	13
183	Non-cytotoxic copper overload boosts mitochondrial energy metabolism to modulate cell proliferation and differentiation in the human erythroleukemic cell line K562. <b>2016</b> , 29, 18-30	26
182	Mitigation of radiation-induced hematopoietic injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. <b>2016</b> , 6, 37305	22
181	Irradiation alters the differentiation potential of bone marrow mesenchymal stem cells. <b>2016</b> , 13, 213-23	28
180	Clearance of senescent cells by ABT263 rejuvenates aged hematopoietic stem cells in mice. <b>2016</b> , 22, 78-83	883
179	Modeling Hematopoiesis and Responses to Radiation Countermeasures in a Bone Marrow-on-a-Chip. <b>2016</b> , 22, 509-15	40
178	DNA damage and senescence in osteoprogenitors expressing Osx1 may cause their decrease with age. <b>2017</b> , 16, 693-703	103
177	The Yiqi and Yangyin Formula ameliorates injury to the hematopoietic system induced by total body irradiation. <b>2017</b> , 58, 1-7	15
176	Si total body irradiation injures bone marrow hematopoietic stem cells via induction of cellular apoptosis. <b>2017</b> , 13, 39-44	7
175	6,7,3,4PTetrahydroxyisoflavone improves the survival of whole-body-irradiated mice via restoration of hematopoietic function. <b>2017</b> , 93, 793-802	9
174	Updates on the pathophysiology and treatment of aplastic anemia: a comprehensive review. <b>2017</b> , 10, 433-448	24
173	DNA-damage response in hematopoietic stem cells: an evolutionary trade-off between blood regeneration and leukemia suppression. <b>2017</b> , 38, 367-377	20
172	Supercritical anti-solvent technique assisted synthesis of thymoquinone liposomes for radioprotection: Formulation optimization, in-vitro and in-vivo studies. <b>2017</b> , 523, 398-409	12
171	Efficacy of human umbilical cord derived-mesenchymal stem cells in treatment of rat bone marrow exposed to gamma irradiation. <b>2017</b> , 210, 64-75	1
170	Theaflavin ameliorates ionizing radiation-induced hematopoietic injury via the NRF2 pathway. <b>2017</b> , 113, 59-70	34
169	Whole body proton irradiation causes acute damage to bone marrow hematopoietic progenitor and stem cells in mice. <b>2017</b> , 93, 1312-1320	6
168	Astaxanthin attenuates total body irradiation-induced hematopoietic system injury in mice via inhibition of oxidative stress and apoptosis. <b>2017</b> , 8, 7	58
167	Ameliorative effect of black grape juice on systemic alterations and mandibular osteoradionecrosis induced by whole brain irradiation in rats. <b>2017</b> , 93, 204-213	3

166	Ghrelin accelerates wound healing in combined radiation and wound injury in mice. <b>2017</b> , 26, 186-193	10
165	In vitro and in vivo assessment of direct effects of simulated solar and galactic cosmic radiation on human hematopoietic stem/progenitor cells. <b>2017</b> , 31, 1398-1407	19
164	Inter-Strain Differences in LINE-1 DNA Methylation in the Mouse Hematopoietic System in Response to Exposure to Ionizing Radiation. <b>2017</b> , 18,	22
163	Rutin-Enriched Extract from <i>Coriandrum sativum</i> L. Ameliorates Ionizing Radiation-Induced Hematopoietic Injury. <b>2017</b> , 18,	10
162	Hydrogen-Rich Water Ameliorates Total Body Irradiation-Induced Hematopoietic Stem Cell Injury by Reducing Hydroxyl Radical. <b>2017</b> , 2017, 8241678	17
161	Thioredoxin mitigates radiation-induced hematopoietic stem cell injury in mice. <b>2017</b> , 8, 263	10
160	How Will the Hematopoietic System Deal with Space Radiation on the Way to Mars?. <b>2017</b> , 3, 312-319	2
159	Attenuated DNA damage responses and increased apoptosis characterize human hematopoietic stem cells exposed to irradiation. <b>2018</b> , 8, 6071	15
158	MMR Deficiency Does Not Sensitize or Compromise the Function of Hematopoietic Stem Cells to Low and High LET Radiation. <b>2018</b> , 7, 513-520	3
157	Radioprotective effects of dammarane sapogenins against Co-induced myelosuppression in mice. <b>2018</b> , 32, 741-749	5
156	NOS2 deficiency has no influence on the radiosensitivity of the hematopoietic system. <b>2018</b> , 8, 33	0
155	Age-dependent regulation of antioxidant genes by p38MAPK in the liver. <b>2018</b> , 16, 276-284	6
154	Protective Effect of JXT Ethanol Extract on Radiation-Induced Hematopoietic Alteration and Oxidative Stress in the Liver. <b>2018</b> , 2018, 9017835	4
153	Molecular and epigenetic regulatory mechanisms of normal stem cell radiosensitivity. <b>2018</b> , 4, 117	14
152	Inhibition of mTORC1 signaling protects kidney from irradiation-induced toxicity via accelerating recovery of renal stem-like cells. <b>2018</b> , 9, 219	7
151	Lack of DNA Damage Response at Low Radiation Doses in Adult Stem Cells Contributes to Organ Dysfunction. <b>2018</b> , 24, 6583-6593	21
150	Protection from ionizing radiation-induced genotoxicity and apoptosis in rat bone marrow cells by HESA-A: a new herbal-marine compound. <b>2019</b> , 51, 371-379	0
149	Characterization of Radioprotective, Radiomitigative and Bystander Signaling Modulating Effects of Endogenous Metabolites - Phenylacetate, Ursodeoxycholate and Tauroursodeoxycholate - on HCT116 Human Colon Carcinoma Cell Line. <b>2019</b> , 192, 28-39	3

148	A novel hiPSC-derived system for hematoendothelial and myeloid blood toxicity screens identifies compounds promoting and inhibiting endothelial-to-hematopoietic transition. <b>2019</b> , 61, 104622	
147	1,4-Dithiothreitol treatment ameliorates hematopoietic and intestinal injury in irradiated mice: Potential application of a treatment for acute radiation syndrome. <b>2019</b> , 76, 105913	9
146	Comparison of High Doses of Total Body Irradiation in Myeloablative Conditioning before Hematopoietic Cell Transplantation. <b>2019</b> , 25, 2398-2407	8
145	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. <b>2019</b> , 13, 6438-6454	79
144	Drug discovery strategies for acute radiation syndrome. <b>2019</b> , 14, 701-715	14
143	Mechanism and therapeutic window of a genistein nanosuspension to protect against hematopoietic-acute radiation syndrome. <b>2019</b> , 60, 308-317	17
142	Delayed Captopril Administration Mitigates Hematopoietic Injury in a Murine Model of Total Body Irradiation. <b>2019</b> , 9, 2198	19
141	Establishment and characterization of a radiation-induced dermatitis rat model. <b>2019</b> , 23, 3178-3189	10
140	MicroRNA 34a promotes ionizing radiation-induced DNA damage repair in murine hematopoietic stem cells. <b>2019</b> , 33, 8138-8147	9
139	Protective effect of the antioxidative peptide SS31 on ionizing radiation-induced hematopoietic system damage in mice. <b>2019</b> , 77, 82-87	3
138	Bone Marrow Endothelial Cells Influence Function and Phenotype of Hematopoietic Stem and Progenitor Cells after Mixed Neutron/Gamma Radiation. <b>2019</b> , 20,	4
137	The protective effects of 1,2-propanediol against radiation-induced hematopoietic injury in mice. <b>2019</b> , 114, 108806	6
136	Diverse functions of the thrombopoietin receptor agonist romiplostim rescue individuals exposed to lethal radiation. <b>2019</b> , 136, 60-75	9
135	Proceedings of the 65th Congress of the GEI-Italian Society of Development and Cell Biology (GEI-SIBSC) 38th Congress of the Italian Society of Histochemistry (SII). <b>2019</b> ,	1
134	Reactive Oxygen Species and Nrf2: Functional and Transcriptional Regulators of Hematopoiesis. <b>2019</b> , 2019, 5153268	24
133	The protective effect of propofol on ionizing radiation-induced hematopoietic system damage in mice.. <b>2019</b> , 9, 36366-36373	1
132	IKK Inhibitor IMD-0354 Attenuates Radiation Damage in Whole-body X-Irradiated Mice. <b>2019</b> , 2019, 5340290	2
131	Mouse serum protects against total body irradiation-induced hematopoietic system injury by improving the systemic environment after radiation. <b>2019</b> , 131, 382-392	7

130	Molecular Regulation Mechanisms and Interactions Between Reactive Oxygen Species and Mitophagy. <b>2019</b> , 38, 10-22		43
129	17Ethinyl-androst-5-ene-3 $\beta$ -17E-diol, a Novel Potent Oral Radioprotective Agent, Confers Radioprotection of Hematopoietic Stem and Progenitor Cells in a Granulocyte Colony-Stimulating Factor-Independent Manner. <b>2019</b> , 103, 217-228		5
128	Dose-Dependent Increase of Nrf2 Target Gene Expression in Mice Exposed to Ionizing Radiation. <b>2019</b> , 191, 176-188		5
127	Cyclin B1/CDK1-regulated mitochondrial bioenergetics in cell cycle progression and tumor resistance. <b>2019</b> , 443, 56-66		51
126	Radiation exposure and longitudinal changes in peripheral monocytes over 50 years: the Adult Health Study of atomic-bomb survivors. <b>2019</b> , 185, 107-115		12
125	Characteristics of myeloproliferative neoplasms in patients exposed to ionizing radiation following the Chernobyl nuclear accident. <b>2019</b> , 94, 62-73		6
124	Carcinogenesis and Reactive Oxygen Species Signaling: Interaction of the NADPH Oxidase NOX1-5 and Superoxide Dismutase 1-3 Signal Transduction Pathways. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 443-486	8.4	43
123	The electronic structure and physicochemical property of boron nitridene. <b>2020</b> , 94, 107475		1
122	Prion protein deficiency impairs hematopoietic stem cell determination and sensitizes myeloid progenitors to irradiation. <b>2020</b> , 105, 1216-1222		4
121	Surface PEGylation of MIL-101(Fe) nanoparticles for co-delivery of radioprotective agents. <b>2020</b> , 384, 123363		17
120	Nrf2: Redox and Metabolic Regulator of Stem Cell State and Function. <b>2020</b> , 26, 185-200		58
119	Ionizing radiation induces ferroptosis in granulocyte-macrophage hematopoietic progenitor cells of murine bone marrow. <b>2020</b> , 96, 584-595		21
118	5-Androstenediol prevents radiation injury in mice by promoting NF- $\kappa$ B signaling and inhibiting AIM2 inflammasome activation. <b>2020</b> , 121, 109597		13
117	Inflammatory Biomarkers, Hematopoietic Stem Cells, and Symptoms in Breast Cancer Patients Undergoing Adjuvant Radiation Therapy. <b>2020</b> , 4, pkaa037		3
116	Single-Dose Administration of Recombinant Human Thrombopoietin Mitigates Total Body Irradiation-Induced Hematopoietic System Injury in Mice and Nonhuman Primates. <b>2020</b> , 108, 1357-1367		3
115	Baicalein ameliorates ionizing radiation-induced injuries by rebalancing gut microbiota and inhibiting apoptosis. <b>2020</b> , 261, 118463		7
114	Cellular kinetics of hematopoietic cells with deletion are present at different frequencies in bone-marrow and spleen in X-irradiated mice. <b>2020</b> , 96, 1119-1124		
113	Comparative metabolic profiles of total and partial body radiation exposure in mice using an untargeted metabolomics approach. <b>2020</b> , 16, 124		9

112	The cGAS-STING Pathway in Hematopoiesis and Its Physiopathological Significance. <b>2020</b> , 11, 573915	3
111	Hematopoietic Stem Cell Stress and Regeneration. <b>2020</b> , 6, 134-143	0
110	Comparative proteomic analysis of serum from nonhuman primates administered BIO 300: a promising radiation countermeasure. <b>2020</b> , 10, 19343	5
109	The Role of Bone Stem Cell Niches in Bone Metastasis. <b>2020</b> , 10, 7713	
108	Molecular hydrogen: A potential radioprotective agent. <b>2020</b> , 130, 110589	8
107	A Single Radioprotective Dose of Prostaglandin E Blocks Irradiation-Induced Apoptotic Signaling and Early Cycling of Hematopoietic Stem Cells. <b>2020</b> , 15, 358-373	10
106	Sitagliptin Mitigates Total Body Irradiation-Induced Hematopoietic Injury in Mice. <b>2020</b> , 2020, 8308616	3
105	Highlighting the Potential for Chronic Stress to Minimize Therapeutic Responses to Radiotherapy through Increased Immunosuppression and Radiation Resistance. <b>2020</b> , 12,	2
104	The regulation of hematopoietic stem cell fate in the context of radiation. <b>2020</b> , 1, 31-34	3
103	Amifostine-loaded armored dissolving microneedles for long-term prevention of ionizing radiation-induced injury. <b>2020</b> , 112, 87-100	14
102	Gadofullerene nanoparticles for robust treatment of aplastic anemia induced by chemotherapy drugs. <b>2020</b> , 10, 6886-6897	3
101	MSC-Derived Extracellular Vesicles: New Emergency Treatment to Limit the Development of Radiation-Induced Hematopoietic Syndrome?. <b>2020</b> , 119, 21-36	4
100	Protective effects of new aryl sulfone derivatives against radiation-induced hematopoietic injury. <b>2020</b> , 61, 388-398	1
99	Aging and age-related health effects of ionizing radiation. <b>2020</b> , 1, 15-23	10
98	Targeting of cellular redox metabolism for mitigation of radiation injury. <b>2020</b> , 250, 117570	25
97	Emerging strategies for enhancing the homing of hematopoietic stem cells to the bone marrow after transplantation. <b>2020</b> , 390, 111954	2
96	In Vitro and In Vivo Effects of Holotoxin A1 From the Sea Cucumber <i>Apostichopus japonicus</i> During Ionizing Radiation. <b>2020</b> , 15, 1934578X2093203	2
95	Mechanoregulation in hematopoiesis and hematologic disorders. <b>2020</b> , 6, 86-95	5

94	Changes in the Activity of Genes Involved in the Regulation of Hematopoiesis during Tumorigenesis in Irradiated Mice. <b>2020</b> , 491, 57-59	0
93	Developing polyphenolic acetates as radiation countermeasure agents: current status and future perspectives. <b>2020</b> , 25, 781-786	0
92	Identification of Radiation-Dose-Dependent Expressive Genes in Individuals Exposed to External Ionizing Radiation. <b>2020</b> , 193, 274-285	3
91	Oral delivery of WR-1065 by ROS-responsive PEG-PCL nanoparticles for radioprotection. <b>2020</b> , 599, 124886	3
90	Dimethyl sulfoxide, a potent oral radioprotective agent, confers radioprotection of hematopoietic stem and progenitor cells independent of apoptosis. <b>2020</b> , 153, 1-11	5
89	Comparison of the effects of osmotic pump implantation with subcutaneous injection for administration of drugs after total body irradiation in mice. <b>2021</b> , 55, 142-149	
88	How Hematopoietic Stem Cells Respond to Irradiation: Similarities and Differences between Low and High Doses of Ionizing Radiations. <b>2021</b> , 94, 11-19	2
87	Theaflavin ameliorates renal ischemia/reperfusion injury by activating the Nrf2 signalling pathway in vivo and in vitro. <b>2021</b> , 134, 111097	15
86	Dental Pulp Stem Cell-Derived Extracellular Vesicles Mitigate Haematopoietic Damage after Radiation. <b>2021</b> , 17, 318-331	3
85	Hematopoietic protection and mechanisms of ferrostatin-1 on hematopoietic acute radiation syndrome of mice. <b>2021</b> , 97, 464-473	3
84	Protective effects of hydrogen gas inhalation on radiation-induced bone marrow damage in cancer patients: a retrospective observational study. <b>2021</b> , 11, 104-109	5
83	Diet as a Potential Moderator for Genome Stability and Immune Response in Pediatric Leukemia. <b>2021</b> , 13,	1
82	Effects of radiation on endothelial barrier and vascular integrity. <b>2021</b> , 43-94	1
81	Review of the Efficacy and Mechanisms of Traditional Chinese Medicines as a Therapeutic Option for Ionizing Radiation Induced Damage. <b>2021</b> , 12, 617559	1
80	Polycysteine as a new type of radio-protector ameliorated tissue injury through inhibiting ferroptosis in mice. <b>2021</b> , 12, 195	10
79	Quercetin-3-rutinoside protects against gamma radiation inflicted hematopoietic dysfunction by regulating oxidative, inflammatory, and apoptotic mediators in mouse spleen and bone marrow. <b>2021</b> , 55, 230-245	3
78	Molecular Hydrogen as a Potential Clinically Applicable Radioprotective Agent. <b>2021</b> , 22,	9
77	The Health-Promoting Properties and Clinical Applications of Rice Bran Arabinoxylan Modified with Shiitake Mushroom Enzyme-A Narrative Review. <b>2021</b> , 26,	4



76	Oral Codelivery of WR-1065 Using Curcumin-Linked ROS-Sensitive Nanoparticles for Synergistic Radioprotection. <b>2021</b> , 7, 2496-2507	4
75	The effects of ionizing radiation on domestic dogs: a review of the atomic bomb testing era. <b>2021</b> , 96, 1799-1815	3
74	Synthesis and radioprotective effects of novel hybrid compounds containing edaravone analogue and 3-n-butylphthalide ring-opening derivatives. <b>2021</b> , 25, 5470-5485	2
73	Mechanism of Action of Diallyl Sulphide in Ameliorating the Hematopoietic Radiation Injury.	
72	Supplemental Ferulic Acid Inhibits Total Body Irradiation-Mediated Bone Marrow Damage, Bone Mass Loss, Stem Cell Senescence, and Hematopoietic Defect in Mice by Enhancing Antioxidant Defense Systems. <b>2021</b> , 10,	0
71	Mouse parabiosis model promotes recovery of lymphocytes in irradiated mice. <b>2021</b> , 97, 1589-1596	0
70	Analysis of Radiation-Induced Changes in Cell Cycle and DNA Damage of Murine Hematopoietic Stem Cells by Multi-Color Flow Cytometry. <b>2021</b> , 1, e216	
69	Estriol dissolving microneedle patches for protection against ionizing radiation-induced injury. <b>2021</b> , 163, 105881	1
68	Hematopoiesis Remains Permissive to Bone Marrow Transplantation After Expansion of Progenitors and Resumption of Blood Cell Production. <b>2021</b> , 9, 660617	1
67	Design, Synthesis, and Biological Evaluation of a Novel Aminothiol Compound as Potential Radioprotector. <b>2021</b> , 2021, 4714649	0
66	DNA damage assessment in peripheral blood of Swiss albino mice after combined exposure to volatile anesthetics and 1 or 2 Gy radiotherapy <i>in vivo</i> . <b>2021</b> , 97, 1425-1435	2
65	The Effects of Melatonin Administration on Intestinal Injury Caused by Abdominal Irradiation from Mice. <b>2021</b> , 22,	
64	Correlations between bone marrow radiation dose and hematologic toxicity in locally advanced cervical cancer patients receiving chemoradiation with cisplatin: a systematic review. <b>2021</b> , 164, 128-137	2
63	Gamma-irradiation fluctuates the mRNA N-methyladenosine (m <sup>6</sup> A) spectrum of bone marrow in hematopoietic injury. <b>2021</b> , 285, 117509	0
62	Ultrasound-assisted continuous-flow synthesis of PEGylated MIL-101(Cr) nanoparticles for hematopoietic radioprotection. <b>2021</b> , 129, 112369	2
61	Grape seed proanthocyanidin extract ameliorates ionizing radiation-induced hematopoietic stem progenitor cell injury by regulating Foxo1 in mice. <b>2021</b> , 174, 144-156	0
60	Effects of exposure to low-dose ionizing radiation on changing platelets: a prospective cohort study. <b>2021</b> , 26, 14	2
59	Ilomastat contributes to the survival of mouse after irradiation via promoting the recovery of hematopoietic system. <b>2021</b> , 16, e0238209	

58	Fascinating MXene nanomaterials: emerging opportunities in the biomedical field. <b>2021</b> , 9, 5437-5471	15
57	Rational Design of Nanomaterials for Various Radiation-Induced Diseases Prevention and Treatment. <b>2021</b> , 10, e2001615	10
56	ROS-responsive EPO nanoparticles ameliorate ionizing radiation-induced hematopoietic injury. <b>2021</b> , 9, 6474-6485	2
55	Primary Radiation Stress, Inflammatory Reaction and the Mechanism of Early Postradiation Reparative Processes in Irradiated Tissues. <b>2018</b> , 63, 71-81	3
54	Low doses of oxygen ion irradiation cause long-term damage to bone marrow hematopoietic progenitor and stem cells in mice. <b>2017</b> , 12, e0189466	9
53	Induction of oxidative stress biomarkers following whole-body irradiation in mice. <b>2020</b> , 15, e0240108	3
52	An Overview of the Cellular Mechanisms of Flavonoids Radioprotective Effects. <b>2020</b> , 10, 13-19	9
51	Association between dose-volume parameters and acute bone marrow suppression in rectal cancer patients treated with concurrent chemoradiotherapy. <b>2017</b> , 8, 92904-92913	3
50	Long term effects of radiation exposure on telomere lengths of leukocytes and its associated biomarkers among atomic-bomb survivors. <b>2016</b> , 7, 38988-38998	17
49	Characterization of the Long-Term Interaction between Intracellular Reactive Oxygen Species and Oxidative DNA Damage in Murine Lin <sup>+</sup> Sca-1 <sup>+</sup> Cells Exposed to Ionizing Radiation. <b>2019</b> , 08, 95-105	1
48	Effects of environmental stressors on stem cells. <b>2019</b> , 11, 565-577	5
47	The Universal Non-Neuronal Nature of Parkinson's Disease: A Theory. <b>2016</b> , 5, 231	0
46	DNA damage response of haematopoietic stem and progenitor cells to high-LET neutron irradiation. <b>2021</b> , 11, 20854	1
45	The features of cellular composition of rat bone marrow at acute irradiation and s-heteryl modified cysteamine administration. <b>2018</b> , 64, 61-69	0
44	Inhibition of nitric oxide synthase activity and chemokine (CXCL12) supplementation can improve hematopoietic reconstitution in mice lethally irradiated by <sup>60</sup> Co gamma radiation. <b>2019</b> , 7,	
43	SEQUENCE VARIANTS IN PATIENTS WITH MYELOPROLIFERATIVE NEOPLASMS POTENTIALLY INDUCED BY IONIZING RADIATION DUE TO CHERNOBYL NUCLEAR ACCIDENT. <b>2019</b> , 1, 207	
42	Machine learning techniques combined with dose profiles indicate radiation response biomarkers. <b>2019</b> , 29, 169-178	
41	Ilomastat contributes to the survival of mouse after irradiation via promoting the recovery of hematopoietic system.	

40	Theaflavin Chemistry and Its Health Benefits. <b>2021</b> , 2021, 6256618	1
39	Caffeic acid attenuates irradiation-induced hematopoietic stem cell apoptosis through inhibiting mitochondrial damage. <b>2021</b> , 409, 112934	2
38	Research Progress of Nanomaterials for Radioprotection. <b>2021</b> , 79, 1438	
37	Role of melatonin mediated G-CSF induction in hematopoietic system of gamma-irradiated mice. <b>2021</b> , 289, 120190	3
36	Deleterious effect of bone marrow-resident macrophages on hematopoietic stem cells in response to total body irradiation.. <b>2022</b> ,	
35	HMCES safeguards genome integrity and long-term self-renewal of hematopoietic stem cells during stress responses.. <b>2022</b> ,	1
34	Total body proton and heavy-ion irradiation causes cellular senescence and promotes pro-osteoclastogenic activity in mouse bone marrow.. <b>2022</b> , 8, e08691	0
33	MST1/2 inhibitor XMU-MP-1 alleviates the injury induced by ionizing radiation in haematopoietic and intestinal system.. <b>2022</b> ,	1
32	The Effect of Periapical Radiography X-Ray Radiation on the Number of Leukocytes in Mice (Mus musculus). <b>2022</b> , 10, 456-461	
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30	Integrating Metabolomics and Network Pharmacology to Explore the Protective Effect of Ginsenoside Re against Radiotherapy Injury in Mice.. <b>2022</b> , 2022, 5436979	1
29	Hematopoietic Stem Cell Factors: Their Functional Role in Self-Renewal and Clinical Aspects.. <b>2022</b> , 10, 664261	0
28	Molecular hydrogen is a potential protective agent in the management of acute lung injury.. <b>2022</b> , 28, 27	0
27	Upregulation of SIRT1 Contributes to dmPGE2-dependent Radioprotection of Hematopoietic Stem Cells.. <b>2022</b> , 1	0
26	Ginsenoside Rg1 as a Potential Regulator of Hematopoietic Stem/Progenitor Cells.. <b>2021</b> , 2021, 4633270	0
25	Oxidative Stress and X-ray Exposure Levels-Dependent Survival and Metabolic Changes in Murine HSPCs.. <b>2021</b> , 11,	2
24	Enhanced Effects of Chronic Restraint-Induced Psychological Stress on Total Body Fe-Irradiation-Induced Hematopoietic Toxicity in -Heterozygous Mice.. <b>2022</b> , 12,	
23	Rapamycin Ameliorates Radiation-Induced Testis Damage in Mice.. <b>2022</b> , 10, 783884	0

22	Human Peripheral Blood Mononucleocyte Derived Myeloid Committed Progenitor Cells Mitigate H-ARS by Exosomal Paracrine Signal. <b>2022</b> , 23, 5498	
21	Dose-Response Effects of Low-Dose Ionizing Radiation on Blood Parameters in Industrial Irradiation Workers. <b>2022</b> , 20, 155932582211056	
20	The Effect of Low-Energy Laser-Driven Ultrashort Pulsed Electron Beam Irradiation on Erythropoiesis and Oxidative Stress in Rats. <b>2022</b> , 23, 6692	
19	Tetrahydroxy stilbene glucoside alters neurogenesis and neuroinflammation to ameliorate radiation-associated cognitive disability via AMPK/Tet2. <b>2022</b> , 110, 108928	1
18	Phosphate Metabolic Inhibition Contributes to Irradiation-Induced Myelosuppression through Dampening Hematopoietic Stem Cell Survival. <b>2022</b> , 14, 3395	1
17	Protection of the hematopoietic system against radiation-induced damage: drugs, mechanisms, and developments.	0
16	Responses of hematopoietic cells after ionizing-irradiation in anemic adult medaka ( <i>Oryzias latipes</i> ). 1-10	
15	Natural Radioprotectors. <b>2022</b> , 241-264	0
14	Immune-modulation by 7, 8-diacetoxy-4-methylthiocoumarin in total body-irradiated mice: Implications for the mitigation of radiation-induced hematopoietic injury. <b>2022</b> , 311, 121140	0
13	Effect of spermidine on radiation-induced long-term bone marrow cell injury. <b>2023</b> , 114, 109557	0
12	Catechins and Theaflavins: An Overview on Therapeutic Application. 330-346	0
11	Translocations are induced in hematopoietic stem cells after irradiation of fetal mice.	0
10	Gamma-Tocotrienol Modulates Total-Body Irradiation-Induced Hematopoietic Injury in a Nonhuman Primate Model. <b>2022</b> , 23, 16170	1
9	Biomimetic Prussian blue nanozymes with enhanced bone marrow-targeting for treatment of radiation-induced hematopoietic injury. <b>2022</b> , 121980	0
8	ANALYSIS OF THE INFLUENCE OF PROLONGED IRRADIATION ON HEMATOPOIETIC PROGENITOR CELLS IN GEL DIFFUSION CHAMBERS USING MATHEMATICAL MODELLING. <b>2022</b> , 27, 203-215	0
7	Immunomodulatory, Antioxidant, Antiangiogenic, and Antiproliferative Effects of Rice Bran Arabinoxylan. <b>2023</b> , 27-39	0
6	Robo4 inhibits gamma radiation-induced permeability of a murine microvascular endothelial cell by regulating the junctions. <b>2023</b> , 28,	0
5	Musculoskeletal tissue-on-a-chip. <b>2023</b> , 407-428	0

- 4 Oxymatrine boosts hematopoietic regeneration by modulating MAPK/ERK phosphorylation after irradiation-induced hematopoietic injury. **2023**, 113603
- 3 rhTPO Ameliorates Radiation-Induced Long-Term Hematopoietic Stem Cell Injury in Mice. **2023**, 28, 1953
- 2 Function of stem cells in radiation-induced damage. 1-12
- 1 Assessment of individual hematopoietic stem cell response to gamma exposure using humanized mice. **2023**,