

Yoshiya Furusawa

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

6,817
citations

66343

42
h-index

71685

76
g-index

167
all docs

167
docs citations

167
times ranked

4080
citing authors

#	ARTICLE	IF	CITATIONS
1	Lethal DNA Lesions Caused by Direct and Indirect Actions of X rays are Repaired via Different DSB Repair Pathways under Aerobic and Anoxic Conditions. <i>Radiation Research</i> , 2021, 195, 441-451.	1.5	0
2	Identification and characterization of inheritable structural variations induced by ion beam radiations in rice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2021, 823, 111757.	1.0	6
3	Scaling parameter of the lethal effect of mammalian cells based on radiation-induced OH radicals: effectiveness of direct action in radiation therapy. <i>Journal of Radiation Research</i> , 2021, 62, 86-93.	1.6	10
4	Mutagenic Effect of Three Ion Beams on Rice and Identification of Heritable Mutations by Whole Genome Sequencing. <i>Plants</i> , 2020, 9, 551.	3.5	14
5	Combination of agents modifying effects in hadrontherapy: modelization of the role of HO [•] free radicals. <i>International Journal of Radiation Biology</i> , 2020, 96, 622-627.	1.8	2
6	Overexpression of Ras-Related C3 Botulinum Toxin Substrate 2 Radiosensitizes Melanoma Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	4.0	5
7	ESTIMATION OF RBE VALUES FOR CARBON-ION BEAMS IN THE WIDE DOSE RANGE USING MULTICELLULAR SPHEROIDS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 45-49.	0.8	5
8	Both irradiated and bystander effects link with DNA repair capacity and the linear energy transfer. <i>Life Sciences</i> , 2019, 222, 228-234.	4.3	9
9	Expansion of Heavy-Ion Beam Application – Ion Beam Breeding and Non-invasive Arrhythmia Treatment. <i>Radioisotopes</i> , 2019, 68, 749-758.	0.2	0
10	Biological effects of carbon ion beams with various LETs on budding yeast <i>Saccharomyces cerevisiae</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 810, 45-51.	1.0	9
11	Changes in arrhythmogenic properties and five-year prognosis after carbon-ion radiotherapy in patients with mediastinum cancer. <i>Annals of Noninvasive Electrocardiology</i> , 2018, 23, .	1.1	6
12	Biological effects of ion beam irradiation on perennial gentian and apple. <i>Plant Biotechnology</i> , 2018, 35, 249-257.	1.0	9
13	Antimetastatic Effects of Carbon-Ion Beams on Malignant Melanomas. <i>Radiation Research</i> , 2018, 190, 412.	1.5	10
14	The Potential Application of Heavy Ion Beams in the Treatment of Arrhythmia: The Role of Radiation-Induced Modulation of Connexin43 and the Sympathetic Nervous System. <i>International Journal of Particle Therapy</i> , 2018, 5, 140-150.	1.8	7
15	Inducibility of Ventricular Arrhythmia 1 Year Following Treatment with Heavy Ion Irradiation in Dogs with Myocardial Infarction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 379-390.	1.2	26
16	RAC2-P38 MAPK-dependent NADPH oxidase activity is associated with the resistance of quiescent cells to ionizing radiation. <i>Cell Cycle</i> , 2017, 16, 113-122.	2.6	31
17	Enhanced DNA double-strand break repair of microbeam targeted A549 lung carcinoma cells by adjacent WI38 normal lung fibroblast cells via bi-directional signaling. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 803-805, 1-8.	1.0	27
18	Equivalency of the quality of sublethal lesions after photons and high-linear energy transfer ion beams. <i>Journal of Radiation Research</i> , 2017, 58, 803-808.	1.6	7

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19	Application of Quantum Beam for Cancer Therapy. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 390-393.	0.2	0
20	Amino acid transport system - A substrate predicts the therapeutic effects of particle radiotherapy. PLoS ONE, 2017, 12, e0173096.	2.5	0
21	Hadrontherapy enhanced by combination with heavy atoms. , 2016, , 471-503.		4
22	PU-H71, a novel Hsp90 inhibitor, as a potential cancer-specific sensitizer to carbon-ion beam therapy. Journal of Radiation Research, 2016, 57, 572-575.	1.6	17
23	G2-M phase-correlative bystander effects are co-mediated by DNA-PKcs and ATM after carbon ion irradiation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 795, 1-6.	1.7	8
24	Metformin enhances the radiosensitivity of human liver cancer cells to ^{13}C -rays and carbon ion beams. Oncotarget, 2016, 7, 80568-80578.	1.8	17
25	Kill-painting of hypoxic tumours in charged particle therapy. Scientific Reports, 2015, 5, 17016.	3.3	124
26	Co-visualization of DNA damage and ion traversals in live mammalian cells using a fluorescent nuclear track detector. Journal of Radiation Research, 2015, 56, 360-365.	1.6	24
27	DNA Damage Response Proteins and Oxygen Modulate Prostaglandin E2 Growth Factor Release in Response to Low and High LET Ionizing Radiation. Frontiers in Oncology, 2015, 5, 260.	2.8	17
28	Relative clinical effectiveness of carbon ion radiotherapy: theoretical modelling for H&N tumours. Journal of Radiation Research, 2015, 56, 639-645.	1.6	7
29	Induction of DNA-protein cross-links by ionizing radiation and their elimination from the genome. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 771, 45-50.	1.0	20
30	Role of isolated and clustered DNA damage and the post-irradiating repair process in the effects of heavy ion beam irradiation. Journal of Radiation Research, 2015, 56, 446-455.	1.6	27
31	Tissue-dependent somaclonal mutation frequencies and spectra enhanced by ion beam irradiation in chrysanthemum. Euphytica, 2015, 202, 333-343.	1.2	20
32	ATR signaling cooperates with ATM in the mechanism of low dose hypersensitivity induced by carbon ion beam. DNA Repair, 2015, 34, 1-8.	2.8	12
33	Dependence of the bystander effect for micronucleus formation on dose of heavy-ion radiation in normal human fibroblasts. Radiation Protection Dosimetry, 2015, 166, 152-156.	0.8	14
34	Determination of the relative biological effectiveness and oxygen enhancement ratio for micronuclei formation using high-LET radiation in solid tumor cells: An in vitro and in vivo study. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 793, 41-47.	1.7	26
35	The complexity of DNA double strand break is a crucial factor for activating ATR signaling pathway for G2/M checkpoint regulation regardless of ATM function. DNA Repair, 2015, 25, 72-83.	2.8	23
36	Effects of shielding on the induction of 53BP1 foci and micronuclei after Fe ion exposures. Journal of Radiation Research, 2014, 55, 10-16.	1.6	13

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37	Role of autophagy in high linear energy transfer radiation-induced cytotoxicity to tumor cells. <i>Cancer Science</i> , 2014, 105, 770-778.	3.9	26
38	Enhanced radiobiological effects at the distal end of a clinical proton beam: in vitro study. <i>Journal of Radiation Research</i> , 2014, 55, 816-822.	1.6	57
39	RBE and OER within the spread-out Bragg peak for proton beam therapy: in vitro study at the Proton Medical Research Center at the University of Tsukuba. <i>Journal of Radiation Research</i> , 2014, 55, 1028-1032.	1.6	21
40	Clinical oxygen enhancement ratio of tumors in carbon ion radiotherapy: the influence of local oxygenation changes. <i>Journal of Radiation Research</i> , 2014, 55, 902-911.	1.6	50
41	Relative biological effectiveness of therapeutic proton beams for HSG cells at Japanese proton therapy facilities. <i>Journal of Radiation Research</i> , 2014, 55, 812-815.	1.6	11
42	Nonhomologous End-Joining Repair Plays a More Important Role than Homologous Recombination Repair in Defining Radiosensitivity after Exposure to High-LET Radiation. <i>Radiation Research</i> , 2014, 182, 338-344.	1.5	60
43	Differential effects of p53 on bystander phenotypes induced by gamma ray and high LET heavy ion radiation. <i>Life Sciences in Space Research</i> , 2014, 1, 53-59.	2.3	19
44	Gadolinium-based nanoparticles to improve the hadrontherapy performances. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1601-1608.	3.3	80
45	Simulated studies on the biological effects of space radiation on quiescent human fibroblasts. <i>Advances in Space Research</i> , 2013, 52, 1314-1319.	2.6	8
46	Chromosome aberrations in normal human fibroblasts analyzed in G0/G1 and G2/M phases after exposure in G0 to radiation with different linear energy transfer (LET). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 756, 101-107.	1.7	7
47	Radiobiological description of the LET dependence of the cell survival of oxic and anoxic cells irradiated by carbon ions. <i>Journal of Radiation Research</i> , 2013, 54, 18-26.	1.6	51
48	Evaluation of SCCVII tumor cell survival in clamped and non-clamped solid tumors exposed to carbon-ion beams in comparison to X-rays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 756, 146-151.	1.7	29
49	Action Spectrum Analysis of UVR Genotoxicity for Skin: The Border Wavelengths between UVA and UVB Can Bring Serious Mutation Loads to Skin. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1850-1856.	0.7	34
50	Misrepair of DNA double-strand breaks after exposure to heavy-ion beams causes a peak in the LET-RBE relationship with respect to cell killing in DT40 cells. <i>Journal of Radiation Research</i> , 2013, 54, 1029-1035.	1.6	12
51	Quantitative proteomic analysis for radiation-induced cell cycle suspension in 92-1 melanoma cell line. <i>Journal of Radiation Research</i> , 2013, 54, 649-662.	1.6	13
52	Microdosimetric calculation of relative biological effectiveness for design of therapeutic proton beams. <i>Journal of Radiation Research</i> , 2013, 54, 485-493.	1.6	65
53	Comparison of the repair of potentially lethal damage after low- and high-LET radiation exposure, assessed from the kinetics and fidelity of chromosome rejoining in normal human fibroblasts. <i>Journal of Radiation Research</i> , 2013, 54, 989-997.	1.6	8
54	OH Radicals from the Indirect Actions of X-Rays Induce Cell Lethality and Mediate the Majority of the Oxygen Enhancement Effect. <i>Radiation Research</i> , 2013, 180, 514-523.	1.5	33

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55	Editorial. Journal of Radiation Research, 2012, 53, 505-505.	1.6	0
56	Detection of DNA-protein crosslinks (DPCs) by novel direct fluorescence labeling methods: distinct stabilities of aldehyde and radiation-induced DPCs. Nucleic Acids Research, 2012, 40, e143-e143.	14.5	37
57	Comment on "Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect". Nanotechnology, 2012, 23, 078001.	2.6	15
58	Comment on "Enhanced relative biological effectiveness of proton radiotherapy in tumor cells with internalized gold nanoparticles" [Appl. Phys. Lett. 98, 193702 (2011)]. Applied Physics Letters, 2012, 100, 026101.	3.3	7
59	Cell Survival Fraction Estimation Based on the Probability Densities of Domain and Cell Nucleus Specific Energies Using Improved Microdosimetric Kinetic Models. Radiation Research, 2012, 178, 341-356.	1.5	79
60	Depression of p53-independent Akt survival signals in human oral cancer cells bearing mutated p53 gene after exposure to high-LET radiation. Biochemical and Biophysical Research Communications, 2012, 423, 654-660.	2.1	21
61	Monte Carlo simulation of radial distribution of DNA strand breaks along the C and Ne ion paths. Radiation Protection Dosimetry, 2011, 143, 186-190.	0.8	23
62	Relation between Lineal Energy Distribution and Relative Biological Effectiveness for Photon Beams according to the Microdosimetric Kinetic Model. Journal of Radiation Research, 2011, 52, 75-81.	1.6	65
63	Gene Expression Associated with DNA-Dependent Protein Kinase Activity under Normoxia, Hypoxia, and Reoxygenation. Journal of Radiation Research, 2011, 52, 464-471.	1.6	5
64	Radiosensitization by Inhibiting Survivin in Human Hepatoma HepG2 Cells to High-LET Radiation. Journal of Radiation Research, 2011, 52, 335-341.	1.6	10
65	High LET Radiation Enhances Nocodazole Induced Cell Death in HeLa Cells through Mitotic Catastrophe and Apoptosis. Journal of Radiation Research, 2011, 52, 481-489.	1.6	7
66	Carbon Ion Irradiation Suppresses Metastatic Potential of Human Non-small Cell Lung Cancer A549 Cells through the Phosphatidylinositol-3-Kinase/Akt Signaling Pathway. Journal of Radiation Research, 2011, 52, 374-379.	1.6	53
67	Visualization of Heavy Ion Tracks by Labeling 3'-OH Termini of Induced DNA Strand Breaks. Journal of Radiation Research, 2011, 52, 433-440.	1.6	17
68	In Vivo Radiobiological Characterization of Proton Beam at the National Cancer Center in Korea: Effect of the Chk2 Mutation. International Journal of Radiation Oncology Biology Physics, 2011, 79, 559-562.	0.8	17
69	Microdosimetric study on influence of low energy photons on relative biological effectiveness under therapeutic conditions using 6 MV linac. Medical Physics, 2011, 38, 4714-4722.	3.0	19
70	Effects of Carbon Ion Beam on Putative Colon Cancer Stem Cells and Its Comparison with X-rays. Cancer Research, 2011, 71, 3676-3687.	0.9	113
71	Cell cycle suspension: A novel process lurking in G ₂ arrest. Cell Cycle, 2011, 10, 1468-1476.	2.6	32
72	Analysis of cell-survival fractions for heavy-ion irradiations based on microdosimetric kinetic model implemented in the particle and heavy ion transport code system. Radiation Protection Dosimetry, 2011, 143, 491-496.	0.8	34

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73	éç²'âç-şç...Sâ°,ã«ã,^ã,â;fâ@ã,âf£âf fâf—çµâè>ç™1/2i1/4^Cx43i1/4%ç™ºç¾4äºçé€²ã•æŠ—ä,æ•ê,^ã1/2çç™™: Japanese Journal of Electro		
74	Apparent absence of a proton beam dose rate effect and possible differences in RBE between Bragg peak and plateau. Medical Physics, 2010, 37, 5376-5381.	3.0	36
75	Doseâ€“Response Effect of Charged Carbon Beam on Normal Rat Retina Assessed by Electroretinography. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1532-1540.	0.8	1
76	Year-long upregulation of connexin43 in rabbit hearts by heavy ion irradiation. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1014-H1021.	3.2	45
77	Induction of Micronuclei in Germinating Onion Seed Root Tip Cells Irradiated with High Energy Heavy Ions. Journal of Radiation Research, 2010, 51, 315-323.	1.6	11
78	Comparison of DNA Breaks at Entrance Channel and Bragg Peak Induced by Fast C6+ Ions. Journal of Radiation Research, 2010, 51, 21-26.	1.6	13
79	Comparison of the Kinetics of Radiation-Induced Apoptosis in DT40 Cells Irradiated with Low and High Doses of X Rays. Radiation Research, 2010, 173, 645-650.	1.5	2
80	Treatment planning for a scanned carbon beam with a modified microdosimetric kinetic model. Physics in Medicine and Biology, 2010, 55, 6721-6737.	3.0	233
81	Platinum nanoparticles: a promising material for future cancer therapy?. Nanotechnology, 2010, 21, 085103.	2.6	345
82	Rejoining kinetics of G1-PCC breaks induced by different heavy-ion beams with a similar LET value. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 701, 47-51.	1.7	9
83	Two Major Factors Involved in the Reverse Dose-rate Effect for Somatic Mutation Induction are the Cell Cycle Position and LET Value. Journal of Radiation Research, 2009, 50, 441-448.	1.6	8
84	Regulation of ATM in DNA double strand break repair accounts for the radiosensitivity in human cells exposed to high linear energy transfer ionizing radiation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 670, 15-23.	1.0	36
85	Carbon-Ion Beam Irradiation Effectively Suppresses Migration and Invasion of Human Nonâ€“Small-Cell Lung Cancer Cells. International Journal of Radiation Oncology Biology Physics, 2009, 75, 475-481.	0.8	84
86	ATM-Dependent Hyper-Radiosensitivity in Mammalian Cells Irradiated by Heavy Ions. International Journal of Radiation Oncology Biology Physics, 2009, 75, 235-243.	0.8	38
87	LET dependence of the formation of oxidative damage 8-hydroxy-2â€“deoxyguanosine (8-OHdG) in 2â€“deoxyguanosine aqueous solution irradiated with heavy ions. Radiation Physics and Chemistry, 2009, 78, 1207-1210.	2.8	7
88	Comparison of Biological Effectiveness of Carbon-Ion Beams in Japan and Germany. International Journal of Radiation Oncology Biology Physics, 2009, 73, 1545-1551.	0.8	55
89	Contributions of Direct and Indirect Actions in Cell Killing by High-LET Radiations. Radiation Research, 2009, 171, 212-218.	1.5	133
90	Intracellular reactions affecting 2-amino-4-([11C]methylthio)butyric acid ([11C]methionine) response to carbon ion radiotherapy in C10 glioma cells. Nuclear Medicine and Biology, 2009, 36, 985-991.	0.6	2

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91	Radioprotection by DMSO in nitrogen-saturated mammalian cells exposed to helium ion beams. <i>Radiation Physics and Chemistry</i> , 2009, 78, 1175-1178.	2.8	14
92	Responses of total and quiescent cell populations in solid tumors to carbon ion beam irradiation (290 Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	5
93	Radiobiologic Significance of Response of Intratumor Quiescent Cells In Vivo to Accelerated Carbon Ion Beams Compared With $\hat{1}^3$ -Rays and Reactor Neutron Beams. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 221-228.	0.8	21
94	High LET radiation enhances apoptosis in mutated <i>p53</i> cancer cells through Caspase-9 activation. <i>Cancer Science</i> , 2008, 99, 1455-1460.	3.9	40
95	High LET heavy ion radiation induces lower numbers of initial chromosome breaks with minimal repair than low LET radiation in normal human cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 652, 95-101.	1.7	26
96	Dosimetry for a microbeam array generated by synchrotron radiation at SPring-8. <i>European Journal of Radiology</i> , 2008, 68, S114-S117.	2.6	9
97	Quantitative Analysis of Isolated and Clustered DNA Damage Induced by Gamma-rays, Carbon Ion Beams, and Iron Ion Beams. <i>Journal of Radiation Research</i> , 2008, 49, 133-146.	1.6	62
98	Absence of <i>Ku70</i> Gene Obliterates X-Ray-Induced <i>lacZ</i> Mutagenesis of Small Deletions in Mouse Tissues. <i>Radiation Research</i> , 2008, 170, 216-223.	1.5	9
99	Effectiveness of Monoenergetic and Spread-Out Bragg Peak Carbon-Ions for Inactivation of Various Normal and Tumour Human Cell Lines. <i>Journal of Radiation Research</i> , 2008, 49, 597-607.	1.6	55
100	The Difference in LET and Ion Species Dependence for Induction of Initially Measured and Non-rejoined Chromatin Breaks in Normal Human Fibroblasts. <i>Radiation Research</i> , 2008, 170, 163-171.	1.5	33
101	DNA Damage Recognition Proteins Localize along Heavy Ion Induced Tracks in the Cell Nucleus. <i>Journal of Radiation Research</i> , 2008, 49, 645-652.	1.6	34
102	The radiosensitivity of total and quiescent cell populations in solid tumors to 290 MeV/u carbon ion beam irradiation <i>in vivo</i> . <i>Acta Oncologica</i> , 2008, 47, 1087-1093.	1.8	11
103	Gene expression analysis in human malignant melanoma cell lines exposed to carbon beams. <i>International Journal of Radiation Biology</i> , 2008, 84, 299-314.	1.8	35
104	Biophysical calculation of cell survival probabilities using amorphous track structure models for heavy-ion irradiation. <i>Physics in Medicine and Biology</i> , 2008, 53, 37-59.	3.0	141
105	Radiobiological Characterization of Proton Beam at the National Cancer Center in Korea. <i>Journal of Radiation Research</i> , 2008, 49, 509-515.	1.6	19
106	Heavy-Ion Microbeam System at JAEA-Takasaki for Microbeam Biology. <i>Journal of Radiation Research</i> , 2008, 49, 71-82.	1.6	62
107	Time Course and Spacial Distribution of UV Effects on Human Skin in Organ Culture. <i>Journal of Radiation Research</i> , 2008, 49, 269-277.	1.6	10
108	Biological Intercomparison Using Gut Crypt Survivals for Proton and Carbon-Ion Beams. <i>Journal of Radiation Research</i> , 2007, 48, A75-A80.	1.6	22

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109	Analysis of complex DNA lesions generated by heavy ion beams. Nucleic Acids Symposium Series, 2007, 51, 221-222.	0.3	5
110	Effect of Gap Junctional Intercellular Communication on Radiation Responses in Neoplastic Human Cells. Radiation Research, 2007, 167, 283-288.	1.5	8
111	A New Method for the Simultaneous Detection of Mammalian Cells and Ion Tracks on a Surface of CR-39. Journal of Radiation Research, 2007, 48, 255-261.	1.6	18
112	Contribution of Indirect Action to Radiation-Induced Mammalian Cell Inactivation: Dependence on Photon Energy and Heavy-Ion LET. Radiation Research, 2006, 165, 703-712.	1.5	74
113	DNA Fragmentation Induced in Human Fibroblasts by Accelerated ⁵⁶ Fe Ions of Differing Energies. Radiation Research, 2006, 165, 713-720.	1.5	22
114	Arpc1bGene Is a Candidate Prediction Marker for Choroidal Malignant Melanomas Sensitive to Radiotherapy. , 2006, 47, 2300.		20
115	Analysis of Cytogenetic Damage in Rice Seeds Induced by Energetic Heavy Ions On-ground and After Spaceflight. Journal of Radiation Research, 2006, 47, 273-278.	1.6	30
116	The PCC assay can be used to predict radiosensitivity in biopsy cultures irradiated with different types of radiation. Oncology Reports, 2006, 16, 1293.	2.6	2
117	Protective Effects of Melatonin Against Low- and High-LET Irradiation. Journal of Radiation Research, 2006, 47, 175-181.	1.6	30
118	Involvement of gap junctional intercellular communication in the bystander effect induced by broad-beam or microbeam heavy ions. Nuclear Instruments & Methods in Physics Research B, 2006, 251, 177-181.	1.4	11
119	Repair of Skin Damage During Fractionated Irradiation with Gamma Rays and Low-LET Carbon Ions. Journal of Radiation Research, 2006, 47, 167-174.	1.6	13
120	Heavy ion radiation up-regulates Cx43 and ameliorates arrhythmogenic substrates in hearts after myocardial infarction. Cardiovascular Research, 2006, 72, 412-421.	3.8	74
121	Microdosimetric Measurements and Estimation of Human Cell Survival for Heavy-Ion Beams. Radiation Research, 2006, 166, 629-638.	1.5	256
122	Repair Kinetics of DNA-DSB Induced by X-rays or Carbon Ions under Oxidic and Hypoxic Conditions. Journal of Radiation Research, 2005, 46, 325-332.	1.6	85
123	Biological Gain of Carbon-ion Radiotherapy for the Early Response of Tumor Growth Delay and against Early Response of Skin Reaction in Mice. Journal of Radiation Research, 2005, 46, 51-57.	1.6	81
124	Number of Fe Ion Traversals Through a Cell Nucleus for Mammalian Cell Inactivation Near the Bragg Peak. Journal of Radiation Research, 2005, 46, 415-424.	1.6	14
125	Exploration of 'Over Kill Effect' of High-LET Ar- and Fe-ions by Evaluating the Fraction of Non-hit Cell and Interphase Death. Journal of Radiation Research, 2005, 46, 343-350.	1.6	36
126	Irradiation system of ions (H ⁺ and Xe) for biological studies near the Bragg peak. Review of Scientific Instruments, 2005, 76, 114302.	1.3	17

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127	Particle irradiation suppresses metastatic potential of cancer cells. <i>Cancer Research</i> , 2005, 65, 113-20.	0.9	133
128	Analysis of DNA damage generated by high-energy particles. <i>Nucleic Acids Symposium Series</i> , 2004, 48, 145-146.	0.3	2
129	Bystander Effect in Lymphoma Cells Vicinal to Irradiated Neoplastic Epithelial Cells: Nitric Oxide Is Involved. <i>Journal of Radiation Research</i> , 2004, 45, 97-103.	1.6	42
130	High-LET radiation enhanced apoptosis but not necrosis regardless of p53 status. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 60, 591-597.	0.8	93
131	Action spectra of apoptosis induction and reproductive cell death in L5178Y cells in the UV-B region. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 268.	2.9	7
132	Radiosensitization by Hyperthermia in the Chicken B-Lymphocyte Cell Line DT40 and its Derivatives Lacking Nonhomologous End Joining and/or Homologous Recombination Pathways of DNA Double-Strand Break Repair. <i>Radiation Research</i> , 2004, 162, 433-441.	1.5	19
133	Radioprotective activities of beer administration for radiation-induced acute toxicity in mice. <i>Radiotherapy and Oncology</i> , 2004, 73, S127-S129.	0.6	0
134	Cell biological basis for combination radiotherapy using heavy-ion beams and high-energy X-rays. <i>Radiotherapy and Oncology</i> , 2004, 71, 207-211.	0.6	24
135	Microbeams of Heavy Charged Particles. <i>Uchu Seibutsu Kagaku</i> , 2004, 18, 235-240.	0.3	33
136	Bystander effect on cell growth stimulation in neoplastic HSGc cells induced by heavy-ion irradiation. <i>Radiation and Environmental Biophysics</i> , 2003, 42, 183-187.	1.4	47
137	Comparative analysis of G2 arrest after irradiation with 75 keV carbon-ion beams and ^{137}Cs β -rays in a human lymphoblastoid cell line. <i>Cancer Detection and Prevention</i> , 2003, 27, 222-228.	2.1	12
138	Bystander effect induced by counted high-LET particles in confluent human fibroblasts: a mechanistic study. <i>FASEB Journal</i> , 2003, 17, 1422-1427.	0.5	136
139	Sper/NO-induced reversible proliferation inhibition and cycle arrests associated with a micronucleus induction in HSG cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2003, 8, 83-88.	2.7	9
140	Role of Gap Junctional Intercellular Communication in Radiation-Induced Bystander Effects in Human Fibroblasts. <i>Radiation Research</i> , 2003, 160, 318-323.	1.5	102
141	Truly Incomplete and Complex Exchanges in Prematurely Condensed Chromosomes of Human Fibroblasts Exposed In Vitro to Energetic Heavy Ions. <i>Radiation Research</i> , 2003, 160, 418-424.	1.5	34
142	Heavy ion irradiation inhibits in vitro angiogenesis even at sublethal dose. <i>Cancer Research</i> , 2003, 63, 4253-7.	0.9	59
143	Relative Biological Effectiveness of 290 MeV/u Carbon Ions for the Growth Delay of a Radioresistant Murine Fibrosarcoma. <i>Journal of Radiation Research</i> , 2002, 43, 247-255.	1.6	40
144	Influence of the Shielding on the Induction of Chromosomal Aberrations in Human Lymphocytes Exposed to High-energy Iron Ions. <i>Journal of Radiation Research</i> , 2002, 43, S107-S111.	1.6	25

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145	Induction of Chromatin Damage and Distribution of Isochromatid Breaks in Human Fibroblast Cells Exposed to Heavy Ions. <i>Journal of Radiation Research</i> , 2002, 43, S169-S173.	1.6	8
146	Relationship between Aberration Yield and Mitotic Delay in Human Lymphocytes Exposed to 200 MeV/u Fe-ions or X-rays. <i>Journal of Radiation Research</i> , 2002, 43, S175-S179.	1.6	45
147	Models for Mixed Irradiation with a 'Reciprocal-Time' Pattern of the Repair Function. <i>Journal of Radiation Research</i> , 2002, 43, 257-267.	1.6	6
148	Analysis of Unrejoined Chromosomal Breakage in Human Fibroblast Cells Exposed to Low- and High-LET Radiation. <i>Journal of Radiation Research</i> , 2002, 43, S181-S185.	1.6	13
149	Effect of a Hypoxic Cell Sensitizer Doranidazole on the Radiation-induced Apoptosis of Mouse L5178Y Lymphoma Cells. <i>Journal of Radiation Research</i> , 2002, 43, 161-161.	1.6	13
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