

Yoshiya Furusawa

List of Publications by Year in descending order

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166
papers

6,817
citations

66234

42
h-index

71532

76
g-index

167
all docs

167
docs citations

167
times ranked

4080
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical characteristics of HIMAC clinical irradiation system for heavy-ion radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 201-210.	0.4	781
2	Irradiation of Mixed Beam and Design of Spread-Out Bragg Peak for Heavy-Ion Radiotherapy. <i>Radiation Research</i> , 1997, 147, 78.	0.7	368
3	Platinum nanoparticles: a promising material for future cancer therapy?. <i>Nanotechnology</i> , 2010, 21, 085103.	1.3	345
4	Microdosimetric Measurements and Estimation of Human Cell Survival for Heavy-Ion Beams. <i>Radiation Research</i> , 2006, 166, 629-638.	0.7	256
5	Treatment planning for a scanned carbon beam with a modified microdosimetric kinetic model. <i>Physics in Medicine and Biology</i> , 2010, 55, 6721-6737.	1.6	233
6	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.	1.6	141
7	Bystander effect induced by counted high-LET particles in confluent human fibroblasts: a mechanistic study. <i>FASEB Journal</i> , 2003, 17, 1422-1427.	0.2	136
8	Contributions of Direct and Indirect Actions in Cell Killing by High-LET Radiations. <i>Radiation Research</i> , 2009, 171, 212-218.	0.7	133
9	Particle irradiation suppresses metastatic potential of cancer cells. <i>Cancer Research</i> , 2005, 65, 113-20.	0.4	133
10	Preclinical biological assessment of proton and carbon ion beams at Hyogo Ion Beam Medical Center. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 928-938.	0.4	127
11	Kill-painting of hypoxic tumours in charged particle therapy. <i>Scientific Reports</i> , 2015, 5, 17016.	1.6	124
12	Effects of Carbon Ion Beam on Putative Colon Cancer Stem Cells and Its Comparison with X-rays. <i>Cancer Research</i> , 2011, 71, 3676-3687.	0.4	113
13	Role of Gap Junctional Intercellular Communication in Radiation-Induced Bystander Effects in Human Fibroblasts. <i>Radiation Research</i> , 2003, 160, 318-323.	0.7	102
14	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.	0.4	93
15	Repair Kinetics of DNA-DSB Induced by X-rays or Carbon Ions under Oxidic and Hypoxic Conditions. <i>Journal of Radiation Research</i> , 2005, 46, 325-332.	0.8	85
16	Carbon-Ion Beam Irradiation Effectively Suppresses Migration and Invasion of Human Non-Small-Cell Lung Cancer Cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 475-481.	0.4	84
17	Biological Gain of Carbon-ion Radiotherapy for the Early Response of Tumor Growth Delay and against Early Response of Skin Reaction in Mice. <i>Journal of Radiation Research</i> , 2005, 46, 51-57.	0.8	81
18	Gadolinium-based nanoparticles to improve the hadrontherapy performances. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1601-1608.	1.7	80

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19	Cell Survival Fraction Estimation Based on the Probability Densities of Domain and Cell Nucleus Specific Energies Using Improved Microdosimetric Kinetic Models. <i>Radiation Research</i> , 2012, 178, 341-356.	0.7	79
20	Contribution of Indirect Action to Radiation-Induced Mammalian Cell Inactivation: Dependence on Photon Energy and Heavy-Ion LET. <i>Radiation Research</i> , 2006, 165, 703-712.	0.7	74
21	Heavy ion radiation up-regulates Cx43 and ameliorates arrhythmogenic substrates in hearts after myocardial infarction. <i>Cardiovascular Research</i> , 2006, 72, 412-421.	1.8	74
22	Association between G ₂ -Phase Block and Repair of Radiation-Induced Chromosome Fragments in Human Lymphocytes. <i>Radiation Research</i> , 1999, 151, 670.	0.7	68
23	Relation between Lineal Energy Distribution and Relative Biological Effectiveness for Photon Beams according to the Microdosimetric Kinetic Model. <i>Journal of Radiation Research</i> , 2011, 52, 75-81.	0.8	65
24	Microdosimetric calculation of relative biological effectiveness for design of therapeutic proton beams. <i>Journal of Radiation Research</i> , 2013, 54, 485-493.	0.8	65
25	X-rays vs. carbon-ion tumor therapy: cytogenetic damage in lymphocytes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 793-798.	0.4	64
26	Relative Biological Effectiveness of the 235 MeV Proton Beams at the National Cancer Center Hospital East. <i>Journal of Radiation Research</i> , 2001, 42, 79-89.	0.8	64
27	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.	0.8	62
28	Heavy-Ion Microbeam System at JAEA-Takasaki for Microbeam Biology. <i>Journal of Radiation Research</i> , 2008, 49, 71-82.	0.8	62
29	Medium-mediated Bystander Effects on HSG Cells Co-cultivated with Cells Irradiated by X-rays or a 290 MeV/u Carbon Beam. <i>Journal of Radiation Research</i> , 2001, 42, 305-316.	0.8	60
30	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.	0.7	60
31	LET Dependency of Heavy-ion Induced Apoptosis in V79 Cells. <i>Journal of Radiation Research</i> , 2000, 41, 163-175.	0.8	59
32	Heavy ion irradiation inhibits in vitro angiogenesis even at sublethal dose. <i>Cancer Research</i> , 2003, 63, 4253-7.	0.4	59
33	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.	0.8	57
34	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.	0.8	55
35	Comparison of Biological Effectiveness of Carbon-Ion Beams in Japan and Germany. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1545-1551.	0.4	55
36	Carbon Ion Irradiation Suppresses Metastatic Potential of Human Non-small Cell Lung Cancer A549 Cells through the Phosphatidylinositol-3-Kinase/Akt Signaling Pathway. <i>Journal of Radiation Research</i> , 2011, 52, 374-379.	0.8	53

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37	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.	0.8	51
38	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.	0.8	50
39	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.	0.6	47
40	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.	0.8	45
41	Year-long upregulation of connexin43 in rabbit hearts by heavy ion irradiation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1014-H1021.	1.5	45
42	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.	0.8	42
43	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.	0.8	40
44	High LET radiation enhances apoptosis in mutated <i>p53</i> cancer cells through Caspase-9 activation. <i>Cancer Science</i> , 2008, 99, 1455-1460.	1.7	40
45	ATM-Dependent Hyper-Radiosensitivity in Mammalian Cells Irradiated by Heavy Ions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 235-243.	0.4	38
46	Detection of DNA-protein crosslinks (DPCs) by novel direct fluorescence labeling methods: distinct stabilities of aldehyde and radiation-induced DPCs. <i>Nucleic Acids Research</i> , 2012, 40, e143-e143.	6.5	37
47	Exploration of 'Over Kill Effect' of High-LET Ar- and Fe-ions by Evaluating the Fraction of Non-hit Cell and Interphase Death. <i>Journal of Radiation Research</i> , 2005, 46, 343-350.	0.8	36
48	Regulation of ATM in DNA double strand break repair accounts for the radiosensitivity in human cells exposed to high linear energy transfer ionizing radiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 670, 15-23.	0.4	36
49	Apparent absence of a proton beam dose rate effect and possible differences in RBE between Bragg peak and plateau. <i>Medical Physics</i> , 2010, 37, 5376-5381.	1.6	36
50	Gene expression analysis in human malignant melanoma cell lines exposed to carbon beams. <i>International Journal of Radiation Biology</i> , 2008, 84, 299-314.	1.0	35
51	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.	0.7	34
52	DNA Damage Recognition Proteins Localize along Heavy Ion Induced Tracks in the Cell Nucleus. <i>Journal of Radiation Research</i> , 2008, 49, 645-652.	0.8	34
53	Analysis of cell-survival fractions for heavy-ion irradiations based on microdosimetric kinetic model implemented in the particle and heavy ion transport code system. <i>Radiation Protection Dosimetry</i> , 2011, 143, 491-496.	0.4	34
54	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.	0.3	34

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55	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.	0.7	33
56	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.	0.7	33
57	Microbeams of Heavy Charged Particles. <i>Uchu Seibutsu Kagaku</i> , 2004, 18, 235-240.	1.0	33
58	Cell cycle suspension: A novel process lurking in G ₂ arrest. <i>Cell Cycle</i> , 2011, 10, 1468-1476.	1.3	32
59	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.	1.3	31
60	Relative Biological Effectiveness of Accelerated Heavy Ions for Induction of Morphological Transformation in Syrian Hamster Embryo Cells.. <i>Journal of Radiation Research</i> , 1998, 39, 193-201.	0.8	30
61	Analysis of Cytogenetic Damage in Rice Seeds Induced by Energetic Heavy Ions On-ground and After Spaceflight. <i>Journal of Radiation Research</i> , 2006, 47, 273-278.	0.8	30
62	Protective Effects of Melatonin Against Low- and High-LET Irradiation. <i>Journal of Radiation Research</i> , 2006, 47, 175-181.	0.8	30
63	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.	0.9	29
64	Response of Mouse Intestine after Single and Fractionated Irradiation with Accelerated Carbon Ions with a Spread-Out Bragg Peak. <i>Radiation Research</i> , 1997, 148, 168.	0.7	28
65	Role of isolated and clustered DNA damage and the post-irradiating repair process in the effects of heavy ion beam irradiation. <i>Journal of Radiation Research</i> , 2015, 56, 446-455.	0.8	27
66	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.	0.4	27
67	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.	0.9	26
68	Role of autophagy in high linear energy transfer radiation-induced cytotoxicity to tumor cells. <i>Cancer Science</i> , 2014, 105, 770-778.	1.7	26
69	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. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 793, 41-47.	0.9	26
70	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.	0.5	26
71	The dependence of p53 on the radiation enhancement of thermosensitivity at different let. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 489-494.	0.4	25
72	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.	0.8	25

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73	Cell biological basis for combination radiotherapy using heavy-ion beams and high-energy X-rays. <i>Radiation Therapy and Oncology</i> , 2004, 71, 207-211.	0.3	24
74	Co-visualization of DNA damage and ion traversals in live mammalian cells using a fluorescent nuclear track detector. <i>Journal of Radiation Research</i> , 2015, 56, 360-365.	0.8	24
75	Dependence of Induction of Interphase Death of Chinese Hamster Ovary Cells Exposed to Accelerated Heavy Ions on Linear Energy Transfer. <i>Radiation Research</i> , 1997, 148, 449.	0.7	23
76	Monte Carlo simulation of radial distribution of DNA strand breaks along the C and Ne ion paths. <i>Radiation Protection Dosimetry</i> , 2011, 143, 186-190.	0.4	23
77	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. <i>DNA Repair</i> , 2015, 25, 72-83.	1.3	23
78	Radiation-induced growth inhibition in transplanted human tongue carcinomas with different p53 gene status. <i>Anticancer Research</i> , 2002, 22, 2037-43.	0.5	23
79	DNA Fragmentation Induced in Human Fibroblasts by Accelerated ⁵⁶ Fe Ions of Differing Energies. <i>Radiation Research</i> , 2006, 165, 713-720.	0.7	22
80	Biological Intercomparison Using Gut Crypt Survivals for Proton and Carbon-Ion Beams. <i>Journal of Radiation Research</i> , 2007, 48, A75-A80.	0.8	22
81	Radiobiologic Significance of Response of Intratumor Quiescent Cells In Vivo to Accelerated Carbon Ion Beams Compared With ¹³⁷ I-Rays and Reactor Neutron Beams. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 221-228.	0.4	21
82	Depression of p53-independent Akt survival signals in human oral cancer cells bearing mutated p53 gene after exposure to high-LET radiation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 654-660.	1.0	21
83	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.	0.8	21
84	Arpc1bGene Is a Candidate Prediction Marker for Choroidal Malignant Melanomas Sensitive to Radiotherapy. , 2006, 47, 2300.		20
85	Induction of DNA-protein cross-links by ionizing radiation and their elimination from the genome. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 771, 45-50.	0.4	20
86	Tissue-dependent somaclonal mutation frequencies and spectra enhanced by ion beam irradiation in chrysanthemum. <i>Euphytica</i> , 2015, 202, 333-343.	0.6	20
87	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.	0.7	19
88	Radiobiological Characterization of Proton Beam at the National Cancer Center in Korea. <i>Journal of Radiation Research</i> , 2008, 49, 509-515.	0.8	19
89	Microdosimetric study on influence of low energy photons on relative biological effectiveness under therapeutic conditions using 6 MV linac. <i>Medical Physics</i> , 2011, 38, 4714-4722.	1.6	19
90	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.	1.2	19

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91	Time Course of Reoxygenation in Experimental Murine Tumors after Carbon-beam and X-ray Irradiation. <i>Journal of Radiation Research</i> , 2001, 42, 131-141.	0.8	18
92	A New Method for the Simultaneous Detection of Mammalian Cells and Ion Tracks on a Surface of CR-39. <i>Journal of Radiation Research</i> , 2007, 48, 255-261.	0.8	18
93	Irradiation system of ions (H ⁺ , Xe) for biological studies near the Bragg peak. <i>Review of Scientific Instruments</i> , 2005, 76, 114302.	0.6	17
94	Visualization of Heavy Ion Tracks by Labeling 3'-OH Termini of Induced DNA Strand Breaks. <i>Journal of Radiation Research</i> , 2011, 52, 433-440.	0.8	17
95	In Vivo Radiobiological Characterization of Proton Beam at the National Cancer Center in Korea: Effect of the Chk2 Mutation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 559-562.	0.4	17
96	DNA Damage Response Proteins and Oxygen Modulate Prostaglandin E2 Growth Factor Release in Response to Low and High LET Ionizing Radiation. <i>Frontiers in Oncology</i> , 2015, 5, 260.	1.3	17
97	PU-H71, a novel Hsp90 inhibitor, as a potential cancer-specific sensitizer to carbon-ion beam therapy. <i>Journal of Radiation Research</i> , 2016, 57, 572-575.	0.8	17
98	Metformin enhances the radiosensitivity of human liver cancer cells to ¹³ C-rays and carbon ion beams. <i>Oncotarget</i> , 2016, 7, 80568-80578.	0.8	17
99	Comment on "Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect". <i>Nanotechnology</i> , 2012, 23, 078001.	1.3	15
100	Number of Fe Ion Traversals Through a Cell Nucleus for Mammalian Cell Inactivation Near the Bragg Peak. <i>Journal of Radiation Research</i> , 2005, 46, 415-424.	0.8	14
101	Radioprotection by DMSO in nitrogen-saturated mammalian cells exposed to helium ion beams. <i>Radiation Physics and Chemistry</i> , 2009, 78, 1175-1178.	1.4	14
102	Dependence of the bystander effect for micronucleus formation on dose of heavy-ion radiation in normal human fibroblasts. <i>Radiation Protection Dosimetry</i> , 2015, 166, 152-156.	0.4	14
103	Mutagenic Effect of Three Ion Beams on Rice and Identification of Heritable Mutations by Whole Genome Sequencing. <i>Plants</i> , 2020, 9, 551.	1.6	14
104	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.	0.8	13
105	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.	0.8	13
106	Repair of Skin Damage During Fractionated Irradiation with Gamma Rays and Low-LET Carbon Ions. <i>Journal of Radiation Research</i> , 2006, 47, 167-174.	0.8	13
107	Comparison of DNA Breaks at Entrance Channel and Bragg Peak Induced by Fast C ⁶⁺ Ions. <i>Journal of Radiation Research</i> , 2010, 51, 21-26.	0.8	13
108	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.	0.8	13

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109	Effects of shielding on the induction of 53BP1 foci and micronuclei after Fe ion exposures. <i>Journal of Radiation Research</i> , 2014, 55, 10-16.	0.8	13
110	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
111	Misrepair of DNA double-strand breaks after exposure to heavy-ion beams causes a peak in the LET \times RBE relationship with respect to cell killing in DT40 cells. <i>Journal of Radiation Research</i> , 2013, 54, 1029-1035.	0.8	12
112	ATR signaling cooperates with ATM in the mechanism of low dose hypersensitivity induced by carbon ion beam. <i>DNA Repair</i> , 2015, 34, 1-8.	1.3	12
113	Involvement of gap junctional intercellular communication in the bystander effect induced by broad-beam or microbeam heavy ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 251, 177-181.	0.6	11
114	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.	0.8	11
115	Induction of Micronuclei in Germinating Onion Seed Root Tip Cells Irradiated with High Energy Heavy Ions. <i>Journal of Radiation Research</i> , 2010, 51, 315-323.	0.8	11
116	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.	0.8	11
117	Time Course and Spacial Distribution of UV Effects on Human Skin in Organ Culture. <i>Journal of Radiation Research</i> , 2008, 49, 269-277.	0.8	10
118	Radiosensitization by Inhibiting Survivin in Human Hepatoma HepG2 Cells to High-LET Radiation. <i>Journal of Radiation Research</i> , 2011, 52, 335-341.	0.8	10
119	Antimetastatic Effects of Carbon-Ion Beams on Malignant Melanomas. <i>Radiation Research</i> , 2018, 190, 412.	0.7	10
120	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.	0.8	10
121	Cell Cycle and LET Dependence for Radiation-induced Mutation. A Possible Mechanism for Reversed Dose-rate Effect.. <i>Journal of Radiation Research</i> , 1999, 40, 45-52.	0.8	9
122	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.	1.2	9
123	Dosimetry for a microbeam array generated by synchrotron radiation at SPring-8. <i>European Journal of Radiology</i> , 2008, 68, S114-S117.	1.2	9
124	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.	0.7	9
125	Rejoining kinetics of G1-PCC breaks induced by different heavy-ion beams with a similar LET value. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 701, 47-51.	0.9	9
126	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.	0.4	9

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127	Biological effects of ion beam irradiation on perennial gentian and apple. <i>Plant Biotechnology</i> , 2018, 35, 249-257.	0.5	9
128	Both irradiated and bystander effects link with DNA repair capacity and the linear energy transfer. <i>Life Sciences</i> , 2019, 222, 228-234.	2.0	9
129	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.	0.8	8
130	Effect of Gap Junctional Intercellular Communication on Radiation Responses in Neoplastic Human Cells. <i>Radiation Research</i> , 2007, 167, 283-288.	0.7	8
131	Two Major Factors Involved in the Reverse Dose-rate Effect for Somatic Mutation Induction are the Cell Cycle Position and LET Value. <i>Journal of Radiation Research</i> , 2009, 50, 441-448.	0.8	8
132	Simulated studies on the biological effects of space radiation on quiescent human fibroblasts. <i>Advances in Space Research</i> , 2013, 52, 1314-1319.	1.2	8
133	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.	0.8	8
134	G2-M phase-correlative bystander effects are co-mediated by DNA-PKcs and ATM after carbon ion irradiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 795, 1-6.	0.9	8
135	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.	1.6	7
136	LET dependence of the formation of oxidative damage 8-hydroxy-2'-deoxyguanosine (8-OHdG) in 2'-deoxyguanosine aqueous solution irradiated with heavy ions. <i>Radiation Physics and Chemistry</i> , 2009, 78, 1207-1210.	1.4	7
137	High LET Radiation Enhances Nocodazole Induced Cell Death in HeLa Cells through Mitotic Catastrophe and Apoptosis. <i>Journal of Radiation Research</i> , 2011, 52, 481-489.	0.8	7
138	Comment on "Enhanced relative biological effectiveness of proton radiotherapy in tumor cells with internalized gold nanoparticles" [Appl. Phys. Lett. 98, 193702 (2011)]. <i>Applied Physics Letters</i> , 2012, 100, 026101.	1.5	7
139	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.	0.9	7
140	Relative clinical effectiveness of carbon ion radiotherapy: theoretical modelling for H&N tumours. <i>Journal of Radiation Research</i> , 2015, 56, 639-645.	0.8	7
141	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.	0.8	7
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