

Noriko Usami

List of Publications by Citations

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36
papers

799
citations

12
h-index

28
g-index

37
ext. papers

900
ext. citations

3
avg, IF

3.39
L-index

#	Paper	IF	Citations
36	Platinum nanoparticles: a promising material for future cancer therapy?. <i>Nanotechnology</i> , 2010 , 21, 851034	3.4	283
35	Gadolinium-based nanoparticles to improve the hadrontherapy performances. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1601-8	6	68
34	Gap junction communication and the propagation of bystander effects induced by microbeam irradiation in human fibroblast cultures: the impact of radiation quality. <i>Radiation Research</i> , 2013 , 180, 367-75	3.1	56
33	Synchrotron radiation beamline to study radioactive materials at the Photon factory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 372, 322-332	1.2	49
32	Replication-dependent and -independent responses of RAD18 to DNA damage in human cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 34687-95	5.4	46
31	Microbeam irradiation facilities for radiobiology in Japan and China. <i>Journal of Radiation Research</i> , 2009 , 50 Suppl A, A29-47	2.4	43
30	Genetic changes in progeny of bystander human fibroblasts after microbeam irradiation with X-rays, protons or carbon ions: the relevance to cancer risk. <i>International Journal of Radiation Biology</i> , 2015 , 91, 62-70	2.9	32
29	Low-dose hypersensitivity in nucleus-irradiated V79 cells studied with synchrotron X-ray microbeam. <i>Journal of Radiation Research</i> , 2008 , 49, 171-80	2.4	32
28	Bystander cell killing in normal human fibroblasts is induced by synchrotron X-ray microbeams. <i>Radiation Research</i> , 2010 , 173, 380-5	3.1	28
27	Bystander cell death is modified by sites of energy deposition within cells irradiated with a synchrotron X-ray microbeam. <i>Radiation Research</i> , 2010 , 174, 37-45	3.1	17
26	Application of an Ex Vivo Tissue Model to Investigate Radiobiological Effects on Spermatogenesis. <i>Radiation Research</i> , 2018 , 189, 661-667	3.1	13
25	Comparison of DNA breaks at entrance channel and Bragg peak induced by fast C6+ ions--influence of the addition of platinum atoms on DNA. <i>Journal of Radiation Research</i> , 2010 , 51, 21-6	2.4	12
24	Comment on 'Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect'. <i>Nanotechnology</i> , 2012 , 23, 078001; author reply 078002	3.4	12
23	X-ray-induced bystander responses reduce spontaneous mutations in V79 cells. <i>Journal of Radiation Research</i> , 2013 , 54, 1043-9	2.4	11
22	Inactivation Action Spectra of Bacillus subtilis Spores with Monochromatic Soft X Rays (0.1-0.6 nm) of Synchrotron Radiation. <i>Radiation Research</i> , 1992 , 131, 72	3.1	11
21	High-precision microbeam radiotherapy reveals testicular tissue-sparing effects for male fertility preservation. <i>Scientific Reports</i> , 2019 , 9, 12618	4.9	11
20	DNA damage and repair kinetics after microbeam irradiation therapy emulation in living cells using monoenergetic synchrotron X-ray microbeams. <i>Journal of Synchrotron Radiation</i> , 2011 , 18, 630-6	2.4	10

19	Development of photon microbeam irradiation system for radiobiology. <i>International Congress Series</i> , 2003 , 1258, 207-211		10
18	Lethal effect of K-shell absorption of intracellular phosphorus on wild-type and radiation sensitive mutants of <i>Escherichia coli</i> . <i>Acta Oncologica</i> , 1996 , 35, 889-94	3.2	9
17	Cell cycle tracking for irradiated and unirradiated bystander cells in a single colony with exposure to a soft X-ray microbeam. <i>International Journal of Radiation Biology</i> , 2016 , 92, 739-744	2.9	8
16	Reparability of lethal lesions produced by phosphorus photoabsorption in yeast cells. <i>Journal of Radiation Research</i> , 2001 , 42, 317-31	2.4	7
15	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	3.4	6
14	Radiolytic degradation of cystathionine irradiated with monochromatic soft X-rays at the K-shell resonance absorption of sulfur. <i>Journal of Radiation Research</i> , 1991 , 32, 215-23	2.4	5
13	Hadrontherapy enhanced by combination with heavy atoms: Role of Auger effect in nanoparticles 2016 , 471-503		4
12	Enhancement of membrane lipid peroxidation in lung cancer cells irradiated with monoenergetic X-rays at the K-shell resonance absorption peak of phosphorus. <i>Journal of Radiation Research</i> , 2020 , 61, 237-242	2.4	3
11	Spatially Fractionated Microbeam Analysis of Tissue-sparing Effect for Spermatogenesis. <i>Radiation Research</i> , 2020 , 194, 698-706	3.1	3
10	Targeting Specific Sites in Biological Systems with Synchrotron X-Ray Microbeams for Radiobiological Studies at the Photon Factory. <i>Quantum Beam Science</i> , 2020 , 4, 2	1.6	3
9	Enhancement of DNA double-strand break induction and cell killing by K-shell absorption of phosphorus in human cell lines. <i>International Journal of Radiation Biology</i> , 2016 , 92, 724-732	2.9	3
8	Field size effects on DNA damage and proliferation in normal human cell populations irradiated with X-ray microbeams. <i>Scientific Reports</i> , 2021 , 11, 7001	4.9	3
7	Targeted Nuclear Irradiation with an X-Ray Microbeam Enhances Total JC-1 Fluorescence from Mitochondria. <i>Radiation Research</i> , 2020 , 194, 511-518	3.1	1
6	Enhanced Cell Inactivation and Double-Strand Break Induction in V79 Chinese Hamster Cells by Monochromatic X-Rays at Phosphorus K-Shell Absorption Peak. <i>Quantum Beam Science</i> , 2020 , 4, 38	1.6	
5	3SP8-04 Repair process of radiation-induced DNA damage induced by X-ray microbeam(3SP8 Frontier in Biological Research Using Various Irradiation Systems : from microbeam to field irradiation,The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2009 , 49, S23-S24	0	
4	1P277 Development of a new method to irradiate only the cytoplasm of mammalian cells with synchrotron X-ray microbeams(Radiobiology & Active oxygen,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S68	0	
3	1P-280 Study on the relationship between NO mediated bystander cell death and intracellular energy-deposited sites(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S65	0	
2	3P263 Bystander cell death in V79 cells irradiated with X-ray microbeams of different sizes(Photobiology- radiation biology, and active oxygen,Poster Presentations). <i>Seibutsu Butsuri</i> , 2007 , 47, S268	0	

- 1 Exposure of the cytoplasm to low-dose X-rays modifies ataxia telangiectasia mutated-mediated DNA damage responses. *Scientific Reports*, **2021**, 11, 13113

4.9