Noriko Usami

List of Publications by Year in Descending Order

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	Field size effects on DNA damage and proliferation in normal human cell populations irradiated with X-ray microbeams. *Scientific Reports*, **2021**, 11, 7001	4.9	3
35	Exposure of the cytoplasm to low-dose X-rays modifies ataxia telangiectasia mutated-mediated DNA damage responses. *Scientific Reports*, **2021**, 11, 13113	4.9	
34	Enhanced Cell Inactivation and Double-Strand Break Induction in V79 Chinese Hamster Cells by Monochromatic X-Rays at Phosphorus K-Shell Absorption Peak. *Quantum Beam Science*, **2020**, 4, 38	1.6	
33	Enhancement of membrane lipid peroxidation in lung cancer cells irradiated with monoenergetic X-rays at the K-shell resonance absorption peak of phosphorus. *Journal of Radiation Research*, **2020**, 61, 237-242	2.4	3
32	Spatially Fractionated Microbeam Analysis of Tissue-sparing Effect for Spermatogenesis. *Radiation Research*, **2020**, 194, 698-706	3.1	3
31	Targeted Nuclear Irradiation with an X-Ray Microbeam Enhances Total JC-1 Fluorescence from Mitochondria. *Radiation Research*, **2020**, 194, 511-518	3.1	1
30	Targeting Specific Sites in Biological Systems with Synchrotron X-Ray Microbeams for Radiobiological Studies at the Photon Factory. *Quantum Beam Science*, **2020**, 4, 2	1.6	3
29	High-precision microbeam radiotherapy reveals testicular tissue-sparing effects for male fertility preservation. *Scientific Reports*, **2019**, 9, 12618	4.9	11
28	Application of an Ex Vivo Tissue Model to Investigate Radiobiological Effects on Spermatogenesis. *Radiation Research*, **2018**, 189, 661-667	3.1	13
27	Cell cycle tracking for irradiated and unirradiated bystander cells in a single colony with exposure to a soft X-ray microbeam. *International Journal of Radiation Biology*, **2016**, 92, 739-744	2.9	8
26	Hadrontherapy enhanced by combination with heavy atoms: Role of Auger effect in nanoparticles **2016**, 471-503		4
25	Enhancement of DNA double-strand break induction and cell killing by K-shell absorption of phosphorus in human cell lines. *International Journal of Radiation Biology*, **2016**, 92, 724-732	2.9	3
24	Genetic changes in progeny of bystander human fibroblasts after microbeam irradiation with X-rays, protons or carbon ions: the relevance to cancer risk. *International Journal of Radiation Biology*, **2015**, 91, 62-70	2.9	32
23	Gadolinium-based nanoparticles to improve the hadrontherapy performances. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 1601-8	6	68
22	Gap junction communication and the propagation of bystander effects induced by microbeam irradiation in human fibroblast cultures: the impact of radiation quality. *Radiation Research*, **2013**, 180, 367-75	3.1	56
21	X-ray-induced bystander responses reduce spontaneous mutations in V79 cells. *Journal of Radiation Research*, **2013**, 54, 1043-9	2.4	11
20	Comment on 'Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect'. *Nanotechnology*, **2012**, 23, 078001; author reply 078002	3.4	12

19	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	3.4	6
18	DNA damage and repair kinetics after microbeam radiation therapy emulation in living cells using monoenergetic synchrotron X-ray microbeams. *Journal of Synchrotron Radiation*, **2011**, 18, 630-6	2.4	10
17	Comparison of DNA breaks at entrance channel and Bragg peak induced by fast C6+ ions--influence of the addition of platinum atoms on DNA. *Journal of Radiation Research*, **2010**, 51, 21-6	2.4	12
16	Platinum nanoparticles: a promising material for future cancer therapy?. *Nanotechnology*, **2010**, 21, 85103	3.4	283
15	Bystander cell death is modified by sites of energy deposition within cells irradiated with a synchrotron X-ray microbeam. *Radiation Research*, **2010**, 174, 37-45	3.1	17
14	Bystander cell killing in normal human fibroblasts is induced by synchrotron X-ray microbeams. *Radiation Research*, **2010**, 173, 380-5	3.1	28
13	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). *Seibutsu Butsuri*, **2010**, 50, S68	0	
12	Microbeam irradiation facilities for radiobiology in Japan and China. *Journal of Radiation Research*, **2009**, 50 Suppl A, A29-47	2.4	43
11	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). *Seibutsu Butsuri*, **2009**, 49, S23-S24	0	
10	Low-dose hypersensitivity in nucleus-irradiated V79 cells studied with synchrotron X-ray microbeam. *Journal of Radiation Research*, **2008**, 49, 171-80	2.4	32
9	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). *Seibutsu Butsuri*, **2008**, 48, S65	0	
8	3P263 Bystander cell death in V79 cells irradiated with X-ray microbeams of different sizes(Photobiology- radiation biology, and active oxygen,Poster Presentations). *Seibutsu Butsuri*, **2007**, 47, S268	0	
7	Replication-dependent and -independent responses of RAD18 to DNA damage in human cells. *Journal of Biological Chemistry*, **2006**, 281, 34687-95	5.4	46
6	Development of photon microbeam irradiation system for radiobiology. *International Congress Series*, **2003**, 1258, 207-211		10
5	Reparability of lethal lesions produced by phosphorus photoabsorption in yeast cells. *Journal of Radiation Research*, **2001**, 42, 317-31	2.4	7
4	Lethal effect of K-shell absorption of intracellular phosphorus on wild-type and radiation sensitive mutants of Escherichia coli. *Acta Oncologica*, **1996**, 35, 889-94	3.2	9
3	Synchrotron radiation beamline to study radioactive materials at the Photon factory. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1996**, 372, 322-332	1.2	49
2	Inactivation Action Spectra of Bacillus subtilis Spores with Monochromatic Soft X Rays (0.1-0.6 nm) of Synchrotron Radiation. *Radiation Research*, **1992**, 131, 72	3.1	11

1	Radiolytic degradation of cystathionine irradiated with monochromatic soft X-rays at the K-shell resonance absorption of sulfur. *Journal of Radiation Research*, **1991**, 32, 215-23	2.4	5