

# Noriko Usami

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

980  
citations

623734  
14  
h-index

434195  
31  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1259  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Platinum nanoparticles: a promising material for future cancer therapy?. <i>Nanotechnology</i> , 2010, 21, 085103.  | 2.6 | 345       |
| 2  | Gadolinium-based nanoparticles to improve the hadrontherapy performances. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1601-1608.   | 3.3 | 80        |
| 3  | 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. | 1.6 | 66        |
| 4  | 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, 367-375.                               | 1.5 | 66        |
| 5  | Replication-dependent and -independent Responses of RAD18 to DNA Damage in Human Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 34687-34695.  | 3.4 | 53        |
| 6  | Microbeam Irradiation Facilities for Radiobiology in Japan and China. <i>Journal of Radiation Research</i> , 2009, 50, A29-A47.   | 1.6 | 49        |
| 7  | 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.                     | 1.8 | 37        |
| 8  | Low-dose Hypersensitivity in Nucleus-irradiated V79 Cells Studied with Synchrotron X-ray Microbeam. <i>Journal of Radiation Research</i> , 2008, 49, 171-180.   | 1.6 | 35        |
| 9  | Bystander Cell Killing in Normal Human Fibroblasts is Induced by Synchrotron X-Ray Microbeams. <i>Radiation Research</i> , 2010, 173, 380-385.  | 1.5 | 31        |
| 10 | 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.  | 1.5 | 22        |
| 11 | High-precision microbeam radiotherapy reveals testicular tissue-sparing effects for male fertility preservation. <i>Scientific Reports</i> , 2019, 9, 12618.  | 3.3 | 20        |
| 12 | Comment on "Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect". <i>Nanotechnology</i> , 2012, 23, 078001.  | 2.6 | 15        |
| 13 | Application of an <i>Ex Vivo</i> Tissue Model to Investigate Radiobiological Effects on Spermatogenesis. <i>Radiation Research</i> , 2018, 189, 661-667.  | 1.5 | 15        |
| 14 | Inactivation Action Spectra of <i>Bacillus subtilis</i> Spores with Monochromatic Soft X Rays (0.1-0.6 nm) of Synchrotron Radiation. <i>Radiation Research</i> , 1992, 131, 72.   | 1.5 | 14        |
| 15 | DNA damage and repair kinetics after microbeam radiation therapy emulation in living cells using monoenergetic synchrotron X-ray microbeams. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 630-636.   | 2.4 | 14        |
| 16 | Comparison of DNA Breaks at Entrance Channel and Bragg Peak Induced by Fast C6+ Ions. <i>Journal of Radiation Research</i> , 2010, 51, 21-26.   | 1.6 | 13        |
| 17 | X-ray-induced bystander responses reduce spontaneous mutations in V79 cells. <i>Journal of Radiation Research</i> , 2013, 54, 1043-1049.  | 1.6 | 13        |
| 18 | Development of photon microbeam irradiation system for radiobiology. <i>International Congress Series</i> , 2003, 1258, 207-211.  | 0.2 | 11        |

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|----|--|-----|-----------|
| 19 | 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.   | 1.8 | 10        |
| 20 | Lethal Effect of K-Shell Absorption of Intracellular Phosphorus on Wild-Type and Radiation Sensitive Mutants of Escherichia Coli. Acta Oncologica, 1996, 35, 889-894.  | 1.8 | 9         |
| 21 | Reparability of Lethal Lesions Produced by Phosphorus Photoabsorption in Yeast Cells. Journal of Radiation Research, 2001, 42, 317-331.  | 1.6 | 7         |
| 22 | 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         |
| 23 | Spatially Fractionated Microbeam Analysis of Tissue-sparing Effect for Spermatogenesis. Radiation Research, 2020, 194, 698-706.  | 1.5 | 7         |
| 24 | Targeting Specific Sites in Biological Systems with Synchrotron X-Ray Microbeams for Radiobiological Studies at the Photon Factory. Quantum Beam Science, 2020, 4, 2.  | 1.2 | 7         |
| 25 | Targeted Nuclear Irradiation with an X-Ray Microbeam Enhances Total JC-1 Fluorescence from Mitochondria. Radiation Research, 2020, 194, 511-518.   | 1.5 | 7         |
| 26 | Radiolytic Degradation of Cystathionine Irradiated with Monochromatic Soft X-rays at the K-shell Resonance Absorption of Sulfur.. Journal of Radiation Research, 1991, 32, 215-223.  | 1.6 | 6         |
| 27 | Field size effects on DNA damage and proliferation in normal human cell populations irradiated with X-ray microbeams. Scientific Reports, 2021, 11, 7001.  | 3.3 | 5         |
| 28 | Hadrontherapy enhanced by combination with heavy atoms. , 2016, , 471-503.   |     | 4         |
| 29 | 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.   | 1.6 | 4         |
| 30 | 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.  | 1.8 | 3         |
| 31 | Exposure of the cytoplasm to low-dose X-rays modifies ataxia telangiectasia mutated-mediated DNA damage responses. Scientific Reports, 2021, 11, 13113.  | 3.3 | 3         |
| 32 | No Intercellular Regulation of the Cell Cycle among Human Cervical Carcinoma HeLa Cells Expressing Fluorescent Ubiquitination-Based Cell-Cycle Indicators in Modulated Radiation Fields. International Journal of Molecular Sciences, 2021, 22, 12785. | 4.1 | 2         |
| 33 | 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.  | 0.1 | 0         |
| 34 | 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.                                      | 0.1 | 0         |
| 35 | 3SP8-04 Repair process of radiation-induced DNA damage induced by X-ray microbeam(3SP8 Frontier in) Tj ETQq1 1 0.784314 rgBT /Ov   | 0.1 | 0         |
| 36 | 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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5                                |     |           |

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|----|---|-----|-----------|
| 37 | 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. | 1.2 | 0         |