

# Yoshitaka Matsumoto

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

387  
citations

933447

10  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contributions of Direct and Indirect Actions in Cell Killing by High-LET Radiations. <i>Radiation Research</i> , 2009, 171, 212-218.	1.5	133
2	A Critical Review of Radiation Therapy: From Particle Beam Therapy (Proton, Carbon, and BNCT) to Beyond. <i>Journal of Personalized Medicine</i> , 2021, 11, 825.	2.5	37
3	Functionalized mesoporous silica nanoparticles for innovative boron-neutron capture therapy of resistant cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 27, 102195.	3.3	30
4	Non-isotope enriched phenylboronic acid-decorated dual-functional nano-assembles for an actively targeting BNCT drug. <i>Biomaterials</i> , 2021, 268, 120551.	11.4	26
5	Polymer-conjugated glucosamine complexed with boric acid shows tumor-selective accumulation and simultaneous inhibition of glycolysis. <i>Biomaterials</i> , 2021, 269, 120631.	11.4	21
6	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.	1.6	17
7	Metabolic analysis of radioresistant medulloblastoma stem-like clones and potential therapeutic targets. <i>PLoS ONE</i> , 2017, 12, e0176162.	2.5	17
8	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.	0.8	14
9	Evaluation of the characteristics of the neutron beam of a linac-based neutron source for boron neutron capture therapy. <i>Applied Radiation and Isotopes</i> , 2020, 165, 109246.	1.5	11
10	Designing a ridge filter based on a mouse foot skin reaction to spread out Bragg-peaks for carbon-ion radiotherapy. <i>Radiotherapy and Oncology</i> , 2015, 115, 279-283.	0.6	10
11	Antimetastatic Effects of Carbon-Ion Beams on Malignant Melanomas. <i>Radiation Research</i> , 2018, 190, 412.	1.5	10
12	Chronoradiation Therapy for Prostate Cancer: Morning Proton Beam Therapy Ameliorates Worsening Lower Urinary Tract Symptoms. <i>Journal of Clinical Medicine</i> , 2020, 9, 2263.	2.4	9
13	Impact of RhoA overexpression on clinical outcomes in cervical squamous cell carcinoma treated with concurrent chemoradiotherapy. <i>Journal of Radiation Research</i> , 2020, 61, 221-230.	1.6	9
14	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
15	Beam performance of the iBNCT as a compact linac-based BNCT neutron source developed by University of Tsukuba. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
16	Development of an Imaging Technique for Boron Neutron Capture Therapy. <i>Cells</i> , 2021, 10, 2135.	4.1	6
17	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
18	Folate-appended cyclodextrin improves the intratumoral accumulation of existing boron compounds.. <i>Applied Radiation and Isotopes</i> , 2020, 163, 109201.	1.5	5

#	ARTICLE	IF	CITATIONS
19	A Diels-Alder polymer platform for thermally enhanced drug release toward efficient local cancer chemotherapy. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 522-531.	6.1	5
20	DIFFERENCE IN DEGREE OF SUB-LETHAL DAMAGE RECOVERY BETWEEN CLINICAL PROTON BEAMS AND X-RAYS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 93-97.	0.8	4
21	The Effect of p53 Status of Tumor Cells on Radiosensitivity of Irradiated Tumors With Carbon-Ion Beams Compared With $^{13}\text{C}$ -Rays or Reactor Neutron Beams. <i>World Journal of Oncology</i> , 2015, 6, 398-409.	1.5	2
22	Boron analysis and imaging of cells with 2-hr BPA exposure by using micro-proton particle-induced gamma-ray emission (PIGE). <i>Applied Radiation and Isotopes</i> , 2020, 165, 109334.	1.5	1
23	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