Ryohei Sasaki

List of Publications by Year
in descending order

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71 papers	2,345 citations	257450 24 h-index	214800 47 g-index
75 all docs	75 docs citations	75 times ranked	3488 citing authors

#	Article	IF	Citations
1	Mitochondrial respiration defects in cancer cells cause activation of Akt survival pathway through a redox-mediated mechanism. Journal of Cell Biology, 2006, 175, 913-923.	5.2	345
2	Novel role of p53 in maintaining mitochondrial genetic stability through interaction with DNA Pol Î³. EMBO Journal, 2005, 24, 3482-3492.	7.8	266
3	Angiosarcoma treated with radiotherapy: impact of tumor type and size on outcome. International Journal of Radiation Oncology Biology Physics, 2002, 52, 1032-1040.	0.8	121
4	A phase I/II study of gemcitabine-concurrent proton radiotherapy for locally advanced pancreatic cancer without distant metastasis. Radiotherapy and Oncology, 2012, 103, 25-31.	0.6	108
5	A Pretreatmentâ€Free, Polymerâ€Based Platform Prepared by Molecular Imprinting and Postâ€Imprinting Modifications for Sensing Intact Exosomes. Angewandte Chemie - International Edition, 2019, 58, 1612-1615.	13.8	87
6	Multi-Institutional Analysis of Solitary Extramedullary Plasmacytoma of the Head and Neck Treated With Curative Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2012, 82, 626-634.	0.8	83
7	DNA polymerase Î³ inhibition by vitamin K3 induces mitochondriaâ€mediated cytotoxicity in human cancer cells. Cancer Science, 2008, 99, 1040-1048.	3.9	75
8	Antibody-Conjugated Signaling Nanocavities Fabricated by Dynamic Molding for Detecting Cancers Using Small Extracellular Vesicle Markers from Tears. Journal of the American Chemical Society, 2020, 142, 6617-6624.	13.7	74
9	Risk factors for osteoradionecrosis of the jaw in patients with head and neck squamous cell carcinoma. Radiation Oncology, 2021, 16, 1.	2.7	74
10	The efficacy of conventional radiation therapy in the management of pituitary adenoma. International Journal of Radiation Oncology Biology Physics, 2000, 47, 1337-1345.	0.8	71
11	Titanium peroxide nanoparticles enhanced cytotoxic effects of X-ray irradiation against pancreatic cancer model through reactive oxygen species generation in vitro and in vivo. Radiation Oncology, 2016, 11, 91.	2.7	67
12	Diagnostic value of glutamate with 2-hydroxyglutarate in magnetic resonance spectroscopy forIDH1mutant glioma. Neuro-Oncology, 2016, 18, now090.	1.2	56
13	The role of autophagy in the treatment of pancreatic cancer with gemcitabine and ionizing radiation. International Journal of Oncology, 2010, 37, 821-8.	3.3	55
14	Particle Therapy Using Protons or Carbon Ions for Unresectable or Incompletely Resected Bone and Soft Tissue Sarcomas of the Pelvis. International Journal of Radiation Oncology Biology Physics, 2017, 98, 367-374.	0.8	44
15	Radiosensitization effects and ROS generation by high Z metallic nanoparticles on human colon carcinoma cell (HCT116) irradiated under 150ÂMeV proton beam. OpenNano, 2019, 4, 100027.	4.8	43
16	Additional gene therapy with Ad5CMV-p53 enhanced the efficacy of radiotherapy in human prostate cancer cells. International Journal of Radiation Oncology Biology Physics, 2001, 51, 1336-1345.	0.8	42
17	Clinical significance of serum pulmonary surfactant proteins A and D for the early detection of radiation pneumonitis. International Journal of Radiation Oncology Biology Physics, 2001, 50, 301-307.	0.8	38
18	Randomized trial of standard pain control with or without gabapentin for pain related to radiation-induced mucositis in head and neck cancer. Auris Nasus Larynx, 2016, 43, 677-684.	1.2	37

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19	FDG-PET/contrast-enhanced CT as a post-treatment tool in head and neck squamous cell carcinoma: comparison with FDG-PET/non-contrast-enhanced CT and contrast-enhanced CT. European Radiology, 2016, 26, 1018-1030.	4.5	33
20	Particle size for photocatalytic activity of anatase TiO2 nanosheets with highly exposed {001} facets. RSC Advances, 2013, 3, 19268.	3.6	29
21	First-In-Human Phase 1 Study of a Nonwoven Fabric Bioabsorbable Spacer for Particle Therapy: Space-Making Particle Therapy (SMPT). Advances in Radiation Oncology, 2019, 4, 729-737.	1.2	29
22	Exosome-mediated radiosensitizing effect on neighboring cancer cells via increase in intracellular levels of reactive oxygen species. Oncology Reports, 2021, 45, .	2.6	28
23	Gold Nanoparticle-Incorporated Molecularly Imprinted Microgels as Radiation Sensitizers in Pancreatic Cancer. ACS Applied Bio Materials, 2019, 2, 1177-1183.	4.6	27
24	Preclinical Evaluation of Bioabsorbable Polyglycolic Acid Spacer for Particle Therapy. International Journal of Radiation Oncology Biology Physics, 2014, 90, 1177-1185.	0.8	26
25	Gold nanoparticles enhance Xâ€'ray irradiationâ€'induced apoptosis in head and neck squamous cell carcinoma inï¿½vitro. Biomedical Reports, 2018, 9, 415-420.	2.0	26
26	MGDG extracted from spinach enhances the cytotoxicity of radiation in pancreatic cancer cells. Radiation Oncology, 2016, 11, 153.	2.7	25
27	Cell biological basis for combination radiotherapy using heavy-ion beams and high-energy X-rays. Radiotherapy and Oncology, 2004, 71, 207-211.	0.6	24
28	Monogalactosyl diacylglycerol, a replicative DNA polymerase inhibitor, from spinach enhances the anti-cell proliferation effect of gemcitabine in human pancreatic cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2517-2525.	2.4	23
29	Nuclear factorâ€ºB expression as a novel marker of radioresistance in earlyâ€stage laryngeal cancer. Head and Neck, 2010, 32, 646-655.	2.0	22
30	Target cells of apoptosis in the adult murine dentate gyrus and O4 immunoreactivity after ionizing radiation. Neuroscience Letters, 2000, 279, 57-60.	2.1	21
31	Treatment outcomes of the patients with early glottic cancer treated with initial radiotherapy and salvaged by conservative surgery. Japanese Journal of Clinical Oncology, 2015, 45, 248-255.	1.3	21
32	Cause and occurrence timing of osteoradionecrosis of the jaw: a retrospective study focusing on prophylactic tooth extraction. Oral and Maxillofacial Surgery, 2016, 20, 337-342.	1.3	21
33	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and H₂O₂ for use as a novel radiosensitizer. Free Radical Research, 2016, 50, 1319-1328.	3.3	20
34	Predicting the survival of patients with bone metastases treated with radiation therapy: a validation study of the Katagiri scoring system. Radiation Oncology, 2019, 14, 13.	2.7	19
35	Sparing of tissue by using micro-slit-beam radiation therapy reduces neurotoxicity compared with broad-beam radiation therapy. Journal of Radiation Research, 2017, 58, 17-23.	1.6	18
36	Clinical log data analysis for assessing the accuracy of the CyberKnife fiducial-free lung tumor tracking system. Practical Radiation Oncology, 2018, 8, e63-e70.	2.1	18

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37	Comparison of salvage therapies for isolated para-aortic lymph node recurrence in patients with uterine cervical cancer after definitive treatment. Radiation Oncology, 2019, 14, 236.	2.7	18
38	Dental intervention against osteoradionecrosis of the jaws in irradiated patients with head and neck malignancy: a single-arm prospective study. Oral and Maxillofacial Surgery, 2019, 23, 297-305.	1.3	17
39	Stereotactic body radiotherapy in patients with lung tumors composed of mainly ground-glass opacity. Journal of Radiation Research, 2020, 61, 426-430.	1.6	13
40	Surgical spacer placement for proton radiotherapy in locally advanced pancreatic body and tail cancers: initial clinical results. Radiation Oncology, 2021, 16, 3.	2.7	13
41	Oncologic and functional outcomes of transoral CO2 laser cordectomy for early glottic cancer. Auris Nasus Larynx, 2020, 47, 276-281.	1.2	12
42	Space-making particle therapy for sarcomas derived from the abdominopelvic region. Radiotherapy and Oncology, 2020, 146, 194-199.	0.6	12
43	Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into cancer cells. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111451.	5.0	12
44	In vivo stealthified molecularly imprinted polymer nanogels incorporated with gold nanoparticles for radiation therapy. Journal of Materials Chemistry B, 2022, 10, 6784-6791.	5.8	12
45	InÂvivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. Journal of Bioscience and Bioengineering, 2018, 126, 119-125.	2.2	11
46	Investigation of the potential of using TiO2 nanoparticles as a contrast agent in computed tomography and magnetic resonance imaging. Applied Nanoscience (Switzerland), 2020, 10, 3143-3148.	3.1	10
47	Validation of combination treatment with surgical spacer placement and subsequent particle radiotherapy for unresectable hepatocellular carcinoma. Journal of Surgical Oncology, 2019, 120, 214-222.	1.7	9
48	A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles. Nanomaterials, 2020, 10, 1125.	4.1	9
49	Fluorescent Signaling of Molecularly Imprinted Nanogels Prepared via Postimprinting Modifications for Specific Protein Detection. Advanced NanoBiomed Research, 2021, 1, 2000079.	3.6	9
50	Retrospective assessment of a single fiducial marker tracking regimen with robotic stereotactic body radiation therapy for liver tumours. Reports of Practical Oncology and Radiotherapy, 2019, 24, 383-391.	0.6	8
51	Amelioration of Radiation Enteropathy by Dietary Supplementation With Reduced Coenzyme Q10. Advances in Radiation Oncology, 2019, 4, 237-245.	1.2	7
52	Reactive oxygen species-inducing titanium peroxide nanoparticles as promising radiosensitizers for eliminating pancreatic cancer stem cells. Journal of Experimental and Clinical Cancer Research, 2022, 41, 146.	8.6	7
53	Utilisation of the chemiluminescence method to measure the radiation dose enhancement caused by gold nanoparticles: A phantom-based study. Radiation Measurements, 2020, 134, 106317.	1.4	6
54	Application of dual-energy CT to suppression of metal artefact caused by pedicle screw fixation in radiotherapy: a feasibility study using original phantom. Physics in Medicine and Biology, 2017, 62, 6226-6245.	3.0	5

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55	Role of intensive nutrition support and prophylactic percutaneous endoscopic gastrostomy during concomitant chemoradiotherapy for oropharyngeal cancer. International Journal of Clinical Oncology, 2018, 23, 1023-1028.	2.2	5
56	Space-Making Particle Therapy with Surgical Spacer Placement in Patients with Sacral Chordoma. Journal of the American College of Surgeons, 2020, 230, 207-215.	0.5	5
57	Realâ€time in vivo dosimetry system based on an optical fiberâ€coupled microsized photostimulable phosphor for stereotactic body radiation therapy. Medical Physics, 2020, 47, 5235-5249.	3.0	5
58	Efficacy of Spacers in Radiation Therapy for Locally Advanced Pancreatic Cancer: A Planning Study. Anticancer Research, 2021, 41, 503-508.	1.1	5
59	Effects of Bismuth Oxide Nanoparticles, Cisplatin and Baicalein-rich Fraction on ROS Generation in Proton Beam irradiated Human Colon Carcinoma Cells. Polish Journal of Medical Physics and Engineering, 2022, 28, 30-36.	0.6	4
60	Gafchromicâ„¢ EBT3 Film Measurements of Dose Enhancement Effects by Metallic Nanoparticles for 192Ir Brachytherapy, Proton, Photon and Electron Radiotherapy. Radiation, 2022, 2, 130-148.	1.4	4
61	Elucidation of gastrointestinal dysfunction in response to irradiation using metabolomics. Biochemistry and Biophysics Reports, 2020, 23, 100789.	1.3	2
62	In Vivo Evaluation of the Z_{HER2}-BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer. ACS Applied Bio Materials, 2020, 3, 7743-7751.	4.6	2
63	Fiducial marker position affects target volume in stereotactic lung irradiation. Journal of Applied Clinical Medical Physics, 2022, 23, e13596.	1.9	2
64	Brain-specific carboxypeptidase B: selective down-regulation in ependymal cell by irradiation and altered ?-amyloid processing. Neuroscience Research Communications, 2002, 31, 75-84.	0.2	1
65	The first pediatric case of sacral Ewing sarcoma treated with spaceâ€making particle therapy. Pediatric Blood and Cancer, 2021, 68, e28842.	1.5	1
66	First-line chemotherapy for recurrent or metastatic head and neck squamous cell carcinoma with or without cetuximab: a single institution experience. Japanese Journal of Head and Neck Cancer, 2016, 42, 432-437.	0.1	1
67	Evaluation of a Small Animal Irradiation System for Animal Experiments Using EBT3 Model GAFCHROMICâ„¢ Film. Kobe Journal of Medical Sciences, 2018, 63, E84-E91.	0.2	1
68	Clinical Outcome of Patients with Pelvic and Retroperitoneal Bone and Soft Tissue Sarcoma: A Retrospective Multicenter Study in Japan. Cancers, 2022, 14, 3023.	3.7	1
69	Novel artifactâ€robust and highly visible zinc solid fiducial marker for kilovoltage xâ€ray imageâ€guided radiation therapy. Medical Physics, 2020, 47, 4703-4710.	3.0	0
70	Image contrast assessment of metal-based nanoparticles as applications for image-guided radiation therapy. Physics and Imaging in Radiation Oncology, 2021, 20, 94-97.	2.9	0
71	Exosomes in Cancer Diagnosis and Radiation Therapy. Physiology, 0, , .	10.0	0