

# Masahiro Hiraoka

## List of Publications by Year in descending order

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294  
papers

15,127  
citations

18482  
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22166  
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#	ARTICLE	IF	CITATIONS
1	Hypofractionated Stereotactic Radiotherapy (HypoFXSRT) for Stage I Non-small Cell Lung Cancer: Updated Results of 257 Patients in a Japanese Multi-institutional Study. <i>Journal of Thoracic Oncology</i> , 2007, 2, S94-S100.	1.1	882
2	Stereotactic hypofractionated high-dose irradiation for stage I nonsmall cell lung carcinoma. <i>Cancer</i> , 2004, 101, 1623-1631.	4.1	849
3	Clinical outcomes of a phase I/II study of 48 Gy of stereotactic body radiotherapy in 4 fractions for primary lung cancer using a stereotactic body frame. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 1427-1431.	0.8	646
4	Thyroid Gland Tumor Diagnosis at US Elastography. <i>Radiology</i> , 2005, 237, 202-211.	7.3	581
5	Stereotactic Body Radiotherapy (SBRT) for Operable Stage I Non-Small-Cell Lung Cancer: Can SBRT Be Comparable to Surgery?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 1352-1358.	0.8	561
6	Prospective Trial of Stereotactic Body Radiation Therapy for Both Operable and Inoperable T1N0M0 Non-Small Cell Lung Cancer: Japan Clinical Oncology Group Study JCOG0403. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 989-996.	0.8	350
7	Tumor hypoxia: A target for selective cancer therapy. <i>Cancer Science</i> , 2003, 94, 1021-1028.	3.9	329
8	Clinical outcomes of 3D conformal hypofractionated single high-dose radiotherapy for one or two lung tumors using a stereotactic body frame. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 52, 1041-1046.	0.8	275
9	Cervical Lymph Node Metastases: Diagnosis at Sonoelastography—Initial Experience. <i>Radiology</i> , 2007, 243, 258-267.	7.3	254
10	Development of a four-dimensional image-guided radiotherapy system with a gimbaled X-ray head. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 271-278.	0.8	220
11	Hypoxia and Hypoxia-Inducible Factor-1 Expression Enhance Osteolytic Bone Metastases of Breast Cancer. <i>Cancer Research</i> , 2007, 67, 4157-4163.	0.9	217
12	The effectiveness of an immobilization device in conformal radiotherapy for lung tumor: reduction of respiratory tumor movement and evaluation of the daily setup accuracy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 889-898.	0.8	209
13	Stereotactic Body Radiotherapy for Oligometastatic Lung Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 398-403.	0.8	202
14	Multi-institutional studies on hyperthermia using an 8-MHz radiofrequency capacitive heating device (thermotron RF-8) in combination with radiation for cancer therapy. <i>Cancer</i> , 1986, 58, 1589-1595.	4.1	177
15	Dose-Volume Metrics Associated With Radiation Pneumonitis After Stereotactic Body Radiation Therapy for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e545-e549.	0.8	176
16	UCHL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1 $\alpha$ . <i>Nature Communications</i> , 2015, 6, 6153.	12.8	175
17	Regulatory mechanisms of hypoxia-inducible factor 1 activity: Two decades of knowledge. <i>Cancer Science</i> , 2018, 109, 560-571.	3.9	156
18	Magnetite nanoparticles with high heating efficiencies for application in the hyperthermia of cancer. <i>Materials Science and Engineering C</i> , 2010, 30, 990-996.	7.3	149

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19	Cancer cells that survive radiation therapy acquire HIF-1 activity and translocate towards tumour blood vessels. <i>Nature Communications</i> , 2012, 3, 783.	12.8	149
20	The Akt/mTOR Pathway Assures the Synthesis of HIF-1 $\alpha$ Protein in a Glucose- and Reoxygenation-dependent Manner in Irradiated Tumors. <i>Journal of Biological Chemistry</i> , 2009, 284, 5332-5342.	3.4	145
21	Oxidative stress and altered antioxidant defenses in children with acute exacerbation of atopic dermatitis. <i>Life Sciences</i> , 2003, 72, 2509-2516.	4.3	144
22	Treatment results of intracranial germinoma as a function of the irradiated volume. <i>International Journal of Radiation Oncology Biology Physics</i> , 1988, 15, 285-290.	0.8	142
23	Increased oxidative stress in childhood atopic dermatitis. <i>Life Sciences</i> , 2001, 69, 223-228.	4.3	136
24	Impact of Pretreatment Interstitial Lung Disease on Radiation Pneumonitis and Survival after Stereotactic Body Radiation Therapy for Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2015, 10, 116-125.	1.1	135
25	Survey of Stereotactic Body Radiation Therapy in Japan by the Japan 3-D Conformal External Beam Radiotherapy Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 343-347.	0.8	132
26	Antitumor effect of TAT-oxygen-dependent degradation-caspase-3 fusion protein specifically stabilized and activated in hypoxic tumor cells. <i>Cancer Research</i> , 2002, 62, 2013-8.	0.9	130
27	Radiofrequency capacitive hyperthermia for deep-seated tumors. I. Studies on thermometry. <i>Cancer</i> , 1987, 60, 121-127.	4.1	129
28	Evaluation of Lung Injury after Three-dimensional Conformal Stereotactic Radiation Therapy for Solitary Lung Tumors: CT Appearance. <i>Radiology</i> , 2004, 230, 101-108.	7.3	123
29	Microenvironment and Radiation Therapy. <i>BioMed Research International</i> , 2013, 2013, 1-13.	1.9	122
30	Stereotactic body radiotherapy for de novo spinal metastases: systematic review. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 295-302.	1.7	121
31	Near-infrared fluorescence tumor imaging using nanocarrier composed of poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2	11.4	120
32	Vertebrate POLQ and POL $\eta$ Cooperate in Base Excision Repair of Oxidative DNA Damage. <i>Molecular Cell</i> , 2006, 24, 115-125.	9.7	119
33	Clinical results of radiofrequency hyperthermia combined with radiation in the treatment of radioresistant cancers. <i>Cancer</i> , 1984, 54, 2898-2904.	4.1	116
34	An antiangiogenic agent (TNP-470) inhibited reoxygenation during fractionated radiotherapy of murine mammary carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997, 37, 1107-1113.	0.8	111
35	Near-Infrared Fluorescent Labeled Peptosome for Application to Cancer Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 109-117.	3.6	110
36	Prognostic Factors in Stereotactic Body Radiotherapy for Non-Small-Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1104-1111.	0.8	101

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37	HIF-1-mediated metabolic reprogramming reduces ROS levels and facilitates the metastatic colonization of cancers in lungs. <i>Scientific Reports</i> , 2014, 4, 3793.	3.3	94
38	Comparison of long-term survival outcomes between stereotactic body radiotherapy and sublobar resection for stage I non-small-cell lung cancer in patients at high risk for lobectomy: A propensity score matching analysis. <i>European Journal of Cancer</i> , 2014, 50, 2932-2938.	2.8	93
39	Enhancement of gene expression under hypoxic conditions using fragments of the human vascular endothelial growth factor and the erythropoietin genes. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 913-916.	0.8	91
40	Optical Imaging of Tumor Hypoxia and Evaluation of Efficacy of a Hypoxia-Targeting Drug in Living Animals. <i>Molecular Imaging</i> , 2005, 4, 153535002005051.	1.4	89
41	Video-Assisted Thoracoscopic Lobectomy Versus Stereotactic Radiotherapy for Stage I Lung Cancer. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1122-1129.	1.3	87
42	Selective Killing of Hypoxia-Inducible Factor-1 $\alpha$ -Active Cells Improves Survival in a Mouse Model of Invasive and Metastatic Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 3433-3441.	7.0	84
43	Renal aplasia is the predominant cause of congenital solitary kidneys. <i>Kidney International</i> , 2002, 61, 1840-1844.	5.2	82
44	Quercetin, an Inhibitor of Heat Shock Protein Synthesis, Inhibits the Acquisition of Thermotolerance in a Human Colon Carcinoma Cell Line. <i>Japanese Journal of Cancer Research</i> , 1992, 83, 1216-1222.	1.7	80
45	A Consensus-based Guideline Defining the Clinical Target Volume for Pelvic Lymph Nodes in External Beam Radiotherapy for Uterine Cervical Cancer. <i>Japanese Journal of Clinical Oncology</i> , 2010, 40, 456-463.	1.3	80
46	Clinical results of radiofrequency hyperthermia for malignant liver tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997, 38, 359-365.	0.8	76
47	Formation of Advanced Glycosylation End Products and Oxidative Stress in Young Patients with Type 1 Diabetes. <i>Pediatric Research</i> , 2003, 54, 419-424.	2.3	75
48	Treatment planning of stereotactic radiotherapy for solitary lung tumor. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 1565-1571.	0.8	74
49	Initial validations for pursuing irradiation using a gimbals tracking system. <i>Radiotherapy and Oncology</i> , 2009, 93, 45-49.	0.6	73
50	High $\alpha$ -Contrast Fluorescence Imaging of Tumors In $\alpha$ ...Vivo Using Nanoparticles of Amphiphilic Brush $\alpha$ -Like Copolymers Produced by ROMP. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6567-6570.	13.8	73
51	Intracranial Germinoma: Radiation Therapy with Tumor Volume-based Dose Selection. <i>Radiology</i> , 2001, 218, 452-456.	7.3	72
52	Characterization of FDG-PET images after stereotactic body radiation therapy for lung cancer. <i>Radiotherapy and Oncology</i> , 2010, 97, 200-204.	0.6	71
53	Radiation therapy for T1,2 glottic carcinoma: impact of overall treatment time on local control. <i>Radiotherapy and Oncology</i> , 1996, 40, 225-232.	0.6	70
54	Deep-heating characteristics of an RF capacitive heating device. <i>International Journal of Hyperthermia</i> , 1985, 1, 15-28.	2.5	68

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55	Evaluation of mass-like consolidation after stereotactic body radiation therapy for lung tumors. International Journal of Clinical Oncology, 2007, 12, 356-362.	2.2	68
56	Indolequinone-rhodol conjugate as a fluorescent probe for hypoxic cells: enzymatic activation and fluorescence properties. MedChemComm, 2010, 1, 50.	3.4	68
57	Combination of hybrid peptide with biodegradable gelatin hydrogel for controlled release and enhancement of anti-tumor activity in vivo. Journal of Controlled Release, 2014, 176, 1-7.	9.9	68
58	The HIF-1-active microenvironment: An environmental target for cancer therapy. Advanced Drug Delivery Reviews, 2009, 61, 623-632.	13.7	67
59	Differences in target outline delineation from CT scans of brain tumours using different methods and different observers. Radiotherapy and Oncology, 1999, 50, 151-156.	0.6	66
60	A randomized study of two long-course prednisolone regimens for nephrotic syndrome in children. American Journal of Kidney Diseases, 2003, 41, 1155-1162.	1.9	66
61	Monitoring of Biological One-Electron Reduction by <sup>19</sup> F NMR Using Hypoxia Selective Activation of an <sup>19</sup> F-Labeled Indolequinone Derivative. Journal of the American Chemical Society, 2009, 131, 15982-15983.	13.7	66
62	Esophageal cancer treated with radiotherapy: Impact of total treatment time and fractionation. International Journal of Radiation Oncology Biology Physics, 1994, 30, 1099-1105.	0.8	65
63	Exposure to Strong Magnetic Fields at Power Frequency Potentiates X-ray-induced DNA Strand Breaks. Journal of Radiation Research, 2000, 41, 293-302.	1.6	65
64	Dosimetric comparison of Acuros XB, AAA, and XVMC in stereotactic body radiotherapy for lung cancer. Medical Physics, 2014, 41, 081715.	3.0	64
65	Evaluation of dynamic tumour tracking radiotherapy with real-time monitoring for lung tumours using a gimbal mounted linac. Radiotherapy and Oncology, 2014, 112, 360-364.	0.6	62
66	The combination of hypoxia-response enhancers and an oxygen-dependent proteolytic motif enables real-time imaging of absolute HIF-1 activity in tumor xenografts. Biochemical and Biophysical Research Communications, 2007, 360, 791-796.	2.1	61
67	Congenitally small kidneys with reflux as a common cause of nephropathy in boys. Kidney International, 1997, 52, 811-816.	5.2	60
68	<sup>18</sup> F-FDG and <sup>11</sup> C-methionine PET for evaluation of treatment response of lung cancer after stereotactic radiotherapy. Annals of Nuclear Medicine, 2004, 18, 669-674.	2.2	60
69	Emission under Hypoxia: One-Electron Reduction and Fluorescence Characteristics of an Indolequinone-Coumarin Conjugate. ChemBioChem, 2008, 9, 426-432.	2.6	58
70	Ring-opening metathesis polymerization-based synthesis of polymeric nanoparticles for enhanced tumor imaging in vivo: Synergistic effect of folate-receptor targeting and PEGylation. Biomaterials, 2010, 31, 934-942.	11.4	58
71	A circadian clock gene, <i>PER2</i> , activates <i>HIF-1</i> as an effector molecule for recruitment of <i>HIF-1</i> to promoter regions of its downstream genes. FEBS Journal, 2017, 284, 3804-3816.	4.7	58
72	A case of allergic reaction to surgical metal clips inserted for postoperative boost irradiation in a patient undergoing Breast-conserving therapy. Breast Cancer, 2001, 8, 90-92.	2.9	57

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73	Geometrical differences in target volumes between slow CT and 4D CT imaging in stereotactic body radiotherapy for lung tumors in the upper and middle lobe. <i>Medical Physics</i> , 2008, 35, 4142-4148.	3.0	56
74	A Consensus-based Guideline Defining Clinical Target Volume for Primary Disease in External Beam Radiotherapy for Intact Uterine Cervical Cancer. <i>Japanese Journal of Clinical Oncology</i> , 2011, 41, 1119-1126.	1.3	56
75	Radiofrequency capacitive hyperthermia for deep-seated tumors. II. Effects of thermoradiotherapy. <i>Cancer</i> , 1987, 60, 128-135.	4.1	55
76	Hyperthermia combined with radiation therapy for primarily unresectable and recurrent colorectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1992, 23, 759-768.	0.8	53
77	Antitumor protein therapy; Application of the protein transduction domain to the development of a protein drug for cancer treatment. <i>Breast Cancer</i> , 2006, 13, 16-26.	2.9	53
78	Combination of BMP-2-releasing gelatin/ $\beta$ 2-TCP sponges with autologous bone marrow for bone regeneration of X-ray-irradiated rabbit ulnar defects. <i>Biomaterials</i> , 2015, 56, 18-25.	11.4	53
79	UCLH1-HIF-1 axis-mediated antioxidant property of cancer cells as a therapeutic target for radiosensitization. <i>Scientific Reports</i> , 2017, 7, 6879.	3.3	53
80	Development of an ultrasmall C-band linear accelerator guide for a four-dimensional image-guided radiotherapy system with a gimbaled x-ray head. <i>Medical Physics</i> , 2007, 34, 1797-1808.	3.0	52
81	Current status of stereotactic body radiotherapy for lung cancer. <i>International Journal of Clinical Oncology</i> , 2007, 12, 3-7.	2.2	52
82	<i>Medical Physics</i> , 2013, 40, 091705.	3.0	52
83	Optical imaging of tumor hypoxia and evaluation of efficacy of a hypoxia-targeting drug in living animals. <i>Molecular Imaging</i> , 2005, 4, 182-93.	1.4	52
84	Microangiographic and histologic analysis of the effects of hyperthermia on murine tumor vasculature. <i>International Journal of Radiation Oncology Biology Physics</i> , 1988, 15, 411-420.	0.8	50
85	Early treatment of urinary infection prevents renal damage on cortical scintigraphy. <i>Pediatric Nephrology</i> , 2003, 18, 115-118.	1.7	49
86	Radiofrequency thermotherapy for malignant liver tumors. <i>Cancer</i> , 1990, 65, 1730-1736.	4.1	48
87	Impact of motion velocity on four-dimensional target volumes: A phantom study. <i>Medical Physics</i> , 2009, 36, 1610-1617.	3.0	48
88	Interinstitutional Variations in Planning for Stereotactic Body Radiation Therapy for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 416-425.	0.8	47
89	TS-1 enhances the effect of radiotherapy by suppressing radiation-induced hypoxia-inducible factor-1 activation and inducing endothelial cell apoptosis. <i>Cancer Science</i> , 2008, 99, 2327-2335.	3.9	47
90	Dosimetric characterization of a multileaf collimator for a new four-dimensional image-guided	3.0	46

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91	Microenvironments and Cellular Characteristics in the Micro Tumor Cords of Malignant Solid Tumors. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13949-13965.	4.1	46
92	Treatment and Prognosis of Isolated Local Relapse after Stereotactic Body Radiotherapy for Clinical Stage I Non-Small-Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2015, 10, 1616-1624.	1.1	46
93	Hypoxia inducible factor-1 influences sensitivity to paclitaxel of human lung cancer cell lines under normoxic conditions. <i>Cancer Science</i> , 2007, 98, 1394-1401.	3.9	45
94	Interfraction variation in lung tumor position with abdominal compression during stereotactic body radiotherapy. <i>Medical Physics</i> , 2013, 40, 091718.	3.0	45
95	Accuracy verification of infrared marker-based dynamic tumor-tracking irradiation using the gimbaled	3.0	44
96	In vitro heat generation by ferrimagnetic maghemite microspheres for hyperthermic treatment of cancer under an alternating magnetic field. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1897-1903.	3.6	42
97	Real-time Imaging of Hypoxia-inducible Factor-1 Activity in Tumor Xenografts. <i>Journal of Radiation Research</i> , 2005, 46, 93-102.	1.6	41
98	Intra- and interfractional variations in geometric arrangement between lung tumours and implanted markers. <i>Radiotherapy and Oncology</i> , 2014, 110, 523-528.	0.6	41
99	A Japan Clinical Oncology Group Trial for Stereotactic Body Radiation Therapy of Non-Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2007, 2, S115-S117.	1.1	39
100	Regional hyperthermia combined with radiotherapy in the treatment of lung cancers. <i>International Journal of Radiation Oncology Biology Physics</i> , 1992, 22, 1009-1014.	0.8	38
101	Oxidative stress in neonates: Evaluation using specific biomarkers. <i>Life Sciences</i> , 2004, 75, 933-938.	4.3	38
102	Estimation of the shielding ability of a tungsten functional paper for diagnostic x-rays and gamma rays. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 325-329.	1.9	38
103	Vesicoureteral reflux in male and female neonates as detected by voiding ultrasonography. <i>Kidney International</i> , 1999, 55, 1486-1490.	5.2	37
104	External beam radiation therapy with or without high-dose-rate intraluminal brachytherapy for patients with superficial esophageal carcinoma. , 1999, 86, 220-228.		37
105	Preliminary Report of Late Recurrences, at 5 Years or More, after Stereotactic Body Radiation Therapy for Non-small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2012, 7, 453-456.	1.1	36
106	A randomized Phase III trial of comparing two dose-fractionations stereotactic body radiotherapy (SBRT) for medically inoperable Stage IA non-small cell lung cancer or small lung lesions clinically diagnosed as primary lung cancer: Japan Clinical Oncology Group Study JCOG1408 (J-SBRT trial). <i>Japanese Journal of Clinical Oncology</i> , 2017, 47, 277-281.	1.3	36
107	Ring-Opening Metathesis Polymerization-Based Synthesis of ICG-Containing Amphiphilic Triblock Copolymers for in Vivo Tumor Imaging. <i>Bioconjugate Chemistry</i> , 2009, 20, 511-517.	3.6	35
108	Influence of Side Chain Length on Fluorescence Intensity of ROMP-Based Polymeric Nanoparticles and Their Tumor Specificity in In Vivo Tumor Imaging. <i>Small</i> , 2011, 7, 3536-3547.	10.0	35



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109	LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis. <i>Oncotarget</i> , 2016, 7, 65837-65848.	1.8	35
110	Dosimetric verification in participating institutions in a stereotactic body radiotherapy trial for stage I non-small cell lung cancer: Japan clinical oncology group trial (JCOG0403). <i>Physics in Medicine and Biology</i> , 2006, 51, 5409-5417.	3.0	34
111	In Vivo Imaging of HIF-Active Tumors by an Oxygen-Dependent Degradation Protein Probe with an Interchangeable Labeling System. <i>PLoS ONE</i> , 2010, 5, e15736.	2.5	34
112	Effective encapsulation of a new cationic gadolinium chelate into apoferritin and its evaluation as an MRI contrast agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 638-646.	3.3	34
113	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. <i>PLoS ONE</i> , 2017, 12, e0188320.	2.5	34
114	Effects of antioxidants and nitric oxide on TNF- $\alpha$ -induced adhesion molecule expression and NF- $\kappa$ B activation in human dermal microvascular endothelial cells. <i>Life Sciences</i> , 2004, 75, 1159-1170.	4.3	33
115	Imaging of HIF-1-Active Tumor Hypoxia Using a Protein Effectively Delivered to and Specifically Stabilized in HIF-1-Active Tumor Cells. <i>Journal of Nuclear Medicine</i> , 2009, 50, 942-949.	5.0	33
116	Positioning accuracy of a new image-guided radiotherapy system. <i>Medical Physics</i> , 2011, 38, 2535-2541.	3.0	33
117	Phase I study of stereotactic body radiation therapy for peripheral T2N0M0 non-small cell lung cancer with PTV < 100 cc using a continual reassessment method (JCOG0702). <i>Radiotherapy and Oncology</i> , 2015, 116, 276-280.	0.6	33
118	Mechanism of hypoxia-specific cytotoxicity of procaspase-3 fused with a VHL-mediated protein destruction motif of HIF-1 $\alpha$ containing Pro564. <i>FEBS Letters</i> , 2006, 580, 5718-5722.	2.8	31
119	Enzymatic Preparation of Hollow Yttrium Oxide Microspheres for In Situ Radiotherapy of Deep-Seated Cancer. <i>Journal of the American Ceramic Society</i> , 2006, 89, 1347-1351.	3.8	31
120	An agar phantom for hyperthermia. <i>Medical Physics</i> , 1986, 13, 396-398.	3.0	30
121	Older boys benefit from higher initial prednisolone therapy for nephrotic syndrome. <i>Kidney International</i> , 2000, 58, 1247-1252.	5.2	30
122	High levels of urinary pentosidine, an advanced glycation end product, in children with acute exacerbation of atopic dermatitis: relationship with oxidative stress. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 1601-1605.	3.4	30
123	Meatus tightly covered by the prepuce is associated with urinary infection. <i>Pediatrics International</i> , 2002, 44, 658-662.	0.5	29
124	Characteristics of Patients Who Developed Radiation Pneumonitis Requiring Steroid Therapy After Stereotactic Irradiation for Lung Tumors. <i>Cancer Journal (Sudbury, Mass )</i> , 2006, 12, 41-46.	2.0	29
125	Intrafractional tracking accuracy in infrared marker-based hybrid dynamic tumour-tracking irradiation with a gimballed linac. <i>Radiotherapy and Oncology</i> , 2014, 111, 301-305.	0.6	29
126	HIF-1 maintains a functional relationship between pancreatic cancer cells and stromal fibroblasts by upregulating expression and secretion of Sonic hedgehog. <i>Oncotarget</i> , 2018, 9, 10525-10535.	1.8	29



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127	Feasibility evaluation of a new irradiation technique: three-dimensional unicursal irradiation with the Vero4DRT (MHI-TM2000). <i>Journal of Radiation Research</i> , 2013, 54, 330-336.	1.6	28
128	Radiation sensitivity assay with a panel of patientâ€derived spheroids of small cell carcinoma of the cervix. <i>International Journal of Cancer</i> , 2015, 136, 2949-2960.	5.1	27
129	Long-term results of radiation therapy for pituitary adenoma. <i>Journal of Neuro-Oncology</i> , 2000, 47, 79-84.	2.9	26
130	Measurement of Interfraction Variations in Position and Size of Target Volumes in Stereotactic Body Radiotherapy for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 543-548.	0.8	26
131	Positional accuracy of novel x-rayâ€imageâ€based dynamic tumorâ€tracking irradiation using a gimbaled MV x-ray head of a Vero4DRT (MHIâ€TM2000). <i>Medical Physics</i> , 2012, 39, 6287-6296.	3.0	25
132	<i>in vitro</i> assessment of poly(methylmethacrylate)â€based bone cement containing magnetite nanoparticles for hyperthermia treatment of bone tumor. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2537-2545.	4.0	25
133	Prediction of clinical outcome after stereotactic body radiotherapy for non-small cell lung cancer using diffusion-weighted MRI and 18F-FDG PET. <i>European Journal of Radiology</i> , 2014, 83, 2087-2092.	2.6	25
134	Stereotactic body radiotherapy versus lobectomy for operable clinical stage IA lung adenocarcinoma: comparison of survival outcomes in two clinical trials with propensity score analysis (JCOG1313-A). <i>Japanese Journal of Clinical Oncology</i> , 2016, 46, 748-753.	1.3	24
135	Inter- and Intrafractional Variation in the 3-Dimensional Positions of Pancreatic Tumors Due to Respiration Under Real-Time Monitoring. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1204-1211.	0.8	24
136	Three-dimensional treatment planning for maxillary cancer using a CT simulator. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994, 30, 979-983.	0.8	23
137	Impact of boost irradiation with surgically placed radiopaque clips on local control in breast-conserving therapy. <i>Breast Cancer</i> , 2001, 8, 222-228.	2.9	22
138	A tumor-specific gene therapy strategy targeting dysregulation of the VHL/HIF pathway in renal cell carcinomas. <i>Cancer Science</i> , 2005, 96, 288-294.	3.9	22
139	PET Imaging of Hypoxia-Inducible Factor-1-Active Tumor Cells with Pretargeted Oxygen-Dependent Degradable Streptavidin and a Novel 18F-Labeled Biotin Derivative. <i>Molecular Imaging and Biology</i> , 2011, 13, 1003-1010.	2.6	22
140	Pretreatment Modified Glasgow Prognostic Score Predicts Clinical Outcomes After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 619-626.	0.8	22
141	Evaluation of the prevalence of burnout and psychological morbidity among radiation oncologist members of the Kyoto Radiation Oncology Study Group (KROSG). <i>Journal of Radiation Research</i> , 2017, 58, 217-224.	1.6	22
142	Systemic chemotherapy with vincristine, cyclophosphamide, doxorubicin and prednisolone following radiotherapy for primary central nervous system lymphoma: a phase II study. <i>Journal of Neuro-Oncology</i> , 1999, 42, 161-167.	2.9	21
143	Usefulness of HIF-1 Imaging for Determining Optimal Timing of Combining Bevacizumab and Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 463-467.	0.8	21
144	Phase I study of stereotactic body radiation therapy for peripheral T2N0M0 non-small cell lung cancer (JCOG0702): Results for the group with PTV â‰¥ 100 cc. <i>Radiotherapy and Oncology</i> , 2017, 122, 281-285.	0.6	21

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