Tatsuhiko Imaoka

List of Publications by Year
in descending order

58	963	516561 16	454834 30
papers	citations	h-index	g-index

59	59	59	1087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Serotonin Regulates Mammary Gland Development via an Autocrine-Paracrine Loop. Developmental Cell, 2004, 6, 193-203.	3.1	219
2	Recent Advances in the Biology of Heavy-Ion Cancer Therapy. Journal of Radiation Research, 2010, 51, 365-383.	0.8	122
3	High Relative Biologic Effectiveness of Carbon Ion Radiation on Induction of Rat Mammary Carcinoma and its Lack of H-ras and Tp53 Mutations. International Journal of Radiation Oncology Biology Physics, 2007, 69, 194-203.	0.4	64
4	Radiation-Induced Mammary Carcinogenesis in Rodent Models: What's Different from Chemical Carcinogenesis?. Journal of Radiation Research, 2009, 50, 281-293.	0.8	43
5	Extrapituitary Expression of the Prolactin Gene in the Goldfish, African Clawed Frog and Mouse. Zoological Science, 2000, 17, 791-796.	0.3	27
6	Establishing the Japan-Store house of animal radiobiology experiments (J-SHARE), a large-scale necropsy and histopathology archive providing international access to important radiobiology data. International Journal of Radiation Biology, 2019, 95, 1372-1377.	1.0	25
7	Influence of Age on the Relative Biological Effectiveness of Carbon Ion Radiation for Induction of Rat Mammary Carcinoma. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1134-1140.	0.4	24
8	Age Modifies the Effect of 2-MeV Fast Neutrons on Rat Mammary Carcinogenesis. Radiation Research, 2017, 188, 419.	0.7	24
9	Cooperative induction of rat mammary cancer by radiation and 1-methyl-1-nitrosourea via the oncogenic pathways involving c-Myc activation and H-ras mutation. International Journal of Cancer, 2005, 115, 187-193.	2.3	21
10	Preâ€•and postpubertal irradiation induces mammary cancers with distinct expression of hormone receptors, ErbB ligands, and developmental genes in rats. Molecular Carcinogenesis, 2011, 50, 539-552.	1.3	21
11	Mild Inflammation Accelerates Colon Carcinogenesis in Mlh1-Deficient Mice. Oncology, 2006, 71, 124-130.	0.9	19
12	Gene Expression Profiling Distinguishes Between Spontaneous and Radiation-induced Rat Mammary Carcinomas. Journal of Radiation Research, 2008, 49, 349-360.	0.8	19
13	Unique Characteristics of Radiation-Induced Apoptosis in the Postnatally Developing Small Intestine and Colon of Mice. Radiation Research, 2009, 173, 310.	0.7	19
14	DNA Copy Number Aberrations and Disruption of the p16Ink4a/Rb Pathway in Radiation-Induced and Spontaneous Rat Mammary Carcinomas. Radiation Research, 2010, 174, 206-215.	0.7	17
15	Age Dependence of Hematopoietic Progenitor Survival and Chemokine Family Gene Induction after Gamma Irradiation in Bone Marrow Tissue in C3H/He Mice. Radiation Research, 2014, 181, 302.	0.7	17
16	Funding for radiation research: past, present and future. International Journal of Radiation Biology, 2019, 95, 816-840.	1.0	17
17	Expression of prolactin messenger ribonucleic acid in the mouse gonads during sexual maturation. Life Sciences, 1998, 63, 2251-2258.	2.0	16
18	Mammary Tumorigenesis inApcMin/+Mice is Enhanced by X Irradiation with a Characteristic Age Dependence. Radiation Research, 2006, 165, 165-173.	0.7	15

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19	Loss of the BRCA1-Interacting Helicase BRIP1 Results in Abnormal Mammary Acinar Morphogenesis. PLoS ONE, 2013, 8, e74013.	1.1	14
20	Prevention of neonatal estrogen imprinting by vitaminÂA as indicated by estrogen receptor expression in the mouse vagina. Cell and Tissue Research, 2001, 306, 441-447.	1.5	13
21	Aberrant microRNA Expression in Radiation-Induced Rat Mammary Cancer: The Potential Role of miR-194 Overexpression in Cancer Cell Proliferation. Radiation Research, 2012, 179, 151.	0.7	13
22	Molecular characterization of cancer reveals interactions between ionizing radiation and chemicals on rat mammary carcinogenesis. International Journal of Cancer, 2014, 134, 1529-1538.	2.3	13
23	Biological measures to minimize the risk of radiotherapy-associated second cancer: A research perspective. International Journal of Radiation Biology, 2016, 92, 289-301.	1.0	13
24	Epigenetic dysregulation of key developmental genes in radiationâ€induced rat mammary carcinomas. International Journal of Cancer, 2018, 143, 343-354.	2.3	12
25	Risk of second cancer after ion beam radiotherapy: insights from animal carcinogenesis studies. International Journal of Radiation Biology, 2019, 95, 1431-1440.	1.0	12
26	A Report from the 2013 International Symposium. Health Physics, 2015, 108, 551-556.	0.3	11
27	Prominent Dose-Rate Effect and Its Age Dependence of Rat Mammary Carcinogenesis Induced by Continuous Gamma-Ray Exposure. Radiation Research, 2018, 191, 245.	0.7	11
28	Differential effect of parity on rat mammary carcinogenesis after pre- or post-pubertal exposure to radiation. Scientific Reports, 2018, 8, 14325.	1.6	11
29	Influence of diet and metabolism on hematopoietic stem cells and leukemia development following ionizing radiation exposure. International Journal of Radiation Biology, 2019, 95, 452-479.	1.0	10
30	All-Optical Wide-Field Selective Imaging of Fluorescent Nanodiamonds in Cells, In Vivo and Ex Vivo. ACS Nano, 2021, 15, 12869-12879.	7.3	10
31	Complicated biallelic inactivation of Pten in radiation-induced mouse thymic lymphomas. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 686, 30-38.	0.4	9
32	Analysis of genes involved in the PI3K/Akt pathway in radiation- and MNU-induced rat mammary carcinomas. Journal of Radiation Research, 2017, 58, 183-194.	0.8	9
33	Overexpression of NOTCH-regulated ankyrin repeat protein is associated with breast cancer cell proliferation. Anticancer Research, 2014, 34, 2165-71.	0.5	9
34	DNA Methylation Patterns in Rat Mammary Carcinomas Induced by Pre- and Post-Pubertal Irradiation. PLoS ONE, 2016, 11, e0164194.	1.1	7
35	A Rat Model to Study the Effects of Diet-Induced Obesity on Radiation-Induced Mammary Carcinogenesis. Radiation Research, 2016, 185, 505.	0.7	7
36	Neutron-induced Rat Mammary Carcinomas Are Mainly of Luminal Subtype and Have Multiple Copy Number Aberrations. Anticancer Research, 2019, 39, 1135-1142.	0.5	6

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37	Exome of Radiation-induced Rat Mammary Carcinoma Shows Copy-number Losses and Mutations in Human-relevant Cancer Genes. Anticancer Research, 2021, 41, 55-70.	0.5	5
38	Estimation of Dose-Rate Effectiveness Factor for Malignant Tumor Mortality: Joint Analysis of Mouse Data Exposed to Chronic and Acute Radiation. Radiation Research, 2020, 194, 500-510.	0.7	5
39	Flow Cytometry Definition of Rat Mammary Epithelial Cell Populations and Their Distinct Radiation Responses. Radiation Research, 2020, 194, 22.	0.7	5
40	Persistent cell proliferation of terminal end buds precedes radiation-induced rat mammary carcinogenesis. In Vivo, 2006, 20, 353-8.	0.6	5
41	Aberrant expression and phosphorylation of 4E-BP1, a main target of mTOR signaling, in rat mammary carcinomas: an association with etiology. In Vivo, 2011, 25, 853-60.	0.6	5
42	Development of mammary cancer in Î³-irradiated F1 hybrids of susceptible Sprague-Dawley and resistant Copenhagen rats, with copy-number losses that pinpoint potential tumor suppressors. PLoS ONE, 2021, 16, e0255968.	1.1	4
43	Cortactin-Binding Protein 90 (CBP90) Expression in the Mouse Mammary Glands during Prolactin-Induced Lobuloalveolar Development. Zoological Science, 2002, 19, 443-448.	0.3	3
44	<i>Ikaros</i> is a critical target during simultaneous exposure to Xâ€rays and Nâ€ethylâ€Nâ€nitrosourea in mouse Tâ€cell lymphomagenesis. International Journal of Cancer, 2013, 132, 259-268.	2.3	3
45	Combined Effect of Ionizing Radiation and Alkylating Agents on Cancer Induction. Genes and Environment, 2007, 29, 29-37.	0.9	3
46	The effect of radiation on the ability of rat mammary cells to form mammospheres. Radiation and Environmental Biophysics, 2020, 59, 711-721.	0.6	2
47	Up-regulation of thymosin beta 4 gene expression in experimentally-induced uterine adenomyosis in mice. In Vivo, 2003, 17, 561-5.	0.6	2
48	Progesterone stimulates proliferation of a long-lived epithelial cell population in rat mammary gland. Journal of Endocrinological Investigation, 2012, 35, 828-34.	1.8	2
49	513 DNA copy number changes in radiation-induced mammary carcinoma of (SD Ã— COP) F1 hybrid rats. European Journal of Cancer, Supplement, 2010, 8, 131.	2.2	0
50	515 Number of stem-like cells and the genetic susceptibility to mammary carcinogenesis in rats. European Journal of Cancer, Supplement, 2010, 8, 132.	2.2	0
51	717 Combined Exposure to Multiple Carcinogens Enhances Development of Rat Mammary Cancers With Characteristic Gene Expression. European Journal of Cancer, 2012, 48, S170.	1.3	0
52	725 Genome-wide Changes of Radiation-induced Mammary Carcinoma of (Sprague-Dawley &) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Cancer, 2012, 48, S172.	1.3	0
53	Differential expression of DNA-dependent protein kinase catalytic subunit in the brain of neonatal mice and young adult mice. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2020, 96, 171-179.	1.6	0
54	ãƒ—ãƒãƒ©ã‚¯ãƒãƒ³ã®ãƒãƒ¼ã‚«ãƒ«ã¨ã—ã¦ã‚‰ã• Newsletter of Japan Society for Comparative Endocrinology, 1999, 25, 28-31.	0.2	0

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55	8.2.8â€€Effect of carbon ions on carcinogenesis. Radioisotopes, 2019, 68, 741-748.	0.1	0
56	Combined Effect of Ionizing Radiation and N-Ethyl-N-Nitrosourea on Mutation Induction and Lymphoma Development. , 2009, , 227-231.		0
57	Environmental Enrichment Increases Radiation-induced Apoptosis Not Spontaneous Apoptosis in Mouse Intestinal Crypt Cells. In Vivo, 2022, 36, 618-627.	0.6	0
58	Copenhagen Rats Display Dominantly Inherited Yet Non-uniform Resistance to Spontaneous, Radiation-induced, and Chemically-induced Mammary Carcinogenesis. Anticancer Research, 2022, 42, 2415-2423.	0.5	0