

Tatsuhiko Imaoka

List of Publications by Year in descending order

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58
papers

963
citations

516561

16
h-index

454834

30
g-index

59
all docs

59
docs citations

59
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Enrichment Increases Radiation-induced Apoptosis Not Spontaneous Apoptosis in Mouse Intestinal Crypt Cells. <i>In Vivo</i> , 2022, 36, 618-627.	0.6	0
2	Copenhagen Rats Display Dominantly Inherited Yet Non-uniform Resistance to Spontaneous, Radiation-induced, and Chemically-induced Mammary Carcinogenesis. <i>Anticancer Research</i> , 2022, 42, 2415-2423.	0.5	0
3	Exome of Radiation-induced Rat Mammary Carcinoma Shows Copy-number Losses and Mutations in Human-relevant Cancer Genes. <i>Anticancer Research</i> , 2021, 41, 55-70.	0.5	5
4	All-Optical Wide-Field Selective Imaging of Fluorescent Nanodiamonds in Cells, <i>In Vivo</i> and <i>Ex Vivo</i> . <i>ACS Nano</i> , 2021, 15, 12869-12879.	7.3	10
5	Development of mammary cancer in $\hat{3}$ -irradiated F1 hybrids of susceptible Sprague-Dawley and resistant Copenhagen rats, with copy-number losses that pinpoint potential tumor suppressors. <i>PLoS ONE</i> , 2021, 16, e0255968.	1.1	4
6	The effect of radiation on the ability of rat mammary cells to form mammospheres. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 711-721.	0.6	2
7	Differential expression of DNA-dependent protein kinase catalytic subunit in the brain of neonatal mice and young adult mice. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2020, 96, 171-179.	1.6	0
8	Estimation of Dose-Rate Effectiveness Factor for Malignant Tumor Mortality: Joint Analysis of Mouse Data Exposed to Chronic and Acute Radiation. <i>Radiation Research</i> , 2020, 194, 500-510.	0.7	5
9	Flow Cytometry Definition of Rat Mammary Epithelial Cell Populations and Their Distinct Radiation Responses. <i>Radiation Research</i> , 2020, 194, 22.	0.7	5
10	Influence of diet and metabolism on hematopoietic stem cells and leukemia development following ionizing radiation exposure. <i>International Journal of Radiation Biology</i> , 2019, 95, 452-479.	1.0	10
11	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. <i>International Journal of Radiation Biology</i> , 2019, 95, 1372-1377.	1.0	25
12	Neutron-induced Rat Mammary Carcinomas Are Mainly of Luminal Subtype and Have Multiple Copy Number Aberrations. <i>Anticancer Research</i> , 2019, 39, 1135-1142.	0.5	6
13	Funding for radiation research: past, present and future. <i>International Journal of Radiation Biology</i> , 2019, 95, 816-840.	1.0	17
14	Risk of second cancer after ion beam radiotherapy: insights from animal carcinogenesis studies. <i>International Journal of Radiation Biology</i> , 2019, 95, 1431-1440.	1.0	12
15	8.2.8 Effect of carbon ions on carcinogenesis. <i>Radioisotopes</i> , 2019, 68, 741-748.	0.1	0
16	Epigenetic dysregulation of key developmental genes in radiation-induced rat mammary carcinomas. <i>International Journal of Cancer</i> , 2018, 143, 343-354.	2.3	12
17	Prominent Dose-Rate Effect and Its Age Dependence of Rat Mammary Carcinogenesis Induced by Continuous Gamma-Ray Exposure. <i>Radiation Research</i> , 2018, 191, 245.	0.7	11
18	Differential effect of parity on rat mammary carcinogenesis after pre- or post-pubertal exposure to radiation. <i>Scientific Reports</i> , 2018, 8, 14325.	1.6	11

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19	Analysis of genes involved in the PI3K/Akt pathway in radiation- and MNU-induced rat mammary carcinomas. <i>Journal of Radiation Research</i> , 2017, 58, 183-194.	0.8	9
20	Age Modifies the Effect of 2-MeV Fast Neutrons on Rat Mammary Carcinogenesis. <i>Radiation Research</i> , 2017, 188, 419.	0.7	24
21	DNA Methylation Patterns in Rat Mammary Carcinomas Induced by Pre- and Post-Pubertal Irradiation. <i>PLoS ONE</i> , 2016, 11, e0164194.	1.1	7
22	A Rat Model to Study the Effects of Diet-Induced Obesity on Radiation-Induced Mammary Carcinogenesis. <i>Radiation Research</i> , 2016, 185, 505.	0.7	7
23	Biological measures to minimize the risk of radiotherapy-associated second cancer: A research perspective. <i>International Journal of Radiation Biology</i> , 2016, 92, 289-301.	1.0	13
24	A Report from the 2013 International Symposium. <i>Health Physics</i> , 2015, 108, 551-556.	0.3	11
25	Molecular characterization of cancer reveals interactions between ionizing radiation and chemicals on rat mammary carcinogenesis. <i>International Journal of Cancer</i> , 2014, 134, 1529-1538.	2.3	13
26	Age Dependence of Hematopoietic Progenitor Survival and Chemokine Family Gene Induction after Gamma Irradiation in Bone Marrow Tissue in C3H/He Mice. <i>Radiation Research</i> , 2014, 181, 302.	0.7	17
27	Overexpression of NOTCH-regulated ankyrin repeat protein is associated with breast cancer cell proliferation. <i>Anticancer Research</i> , 2014, 34, 2165-71.	0.5	9
28	<i>Ikf</i> is a critical target during simultaneous exposure to X-rays and N-ethyl-N-nitrosourea in mouse T-cell lymphomagenesis. <i>International Journal of Cancer</i> , 2013, 132, 259-268.	2.3	3
29	Influence of Age on the Relative Biological Effectiveness of Carbon Ion Radiation for Induction of Rat Mammary Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 1134-1140.	0.4	24
30	Loss of the BRCA1-Interacting Helicase BRIP1 Results in Abnormal Mammary Acinar Morphogenesis. <i>PLoS ONE</i> , 2013, 8, e74013.	1.1	14
31	717 Combined Exposure to Multiple Carcinogens Enhances Development of Rat Mammary Cancers With Characteristic Gene Expression. <i>European Journal of Cancer</i> , 2012, 48, S170.	1.3	0
32	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
33	Aberrant microRNA Expression in Radiation-Induced Rat Mammary Cancer: The Potential Role of miR-194 Overexpression in Cancer Cell Proliferation. <i>Radiation Research</i> , 2012, 179, 151.	0.7	13
34	Progesterone stimulates proliferation of a long-lived epithelial cell population in rat mammary gland. <i>Journal of Endocrinological Investigation</i> , 2012, 35, 828-34.	1.8	2
35	Pre- and postpubertal irradiation induces mammary cancers with distinct expression of hormone receptors, ErbB ligands, and developmental genes in rats. <i>Molecular Carcinogenesis</i> , 2011, 50, 539-552.	1.3	21
36	Aberrant expression and phosphorylation of 4E-BP1, a main target of mTOR signaling, in rat mammary carcinomas: an association with etiology. <i>In Vivo</i> , 2011, 25, 853-60.	0.6	5

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37	Recent Advances in the Biology of Heavy-Ion Cancer Therapy. <i>Journal of Radiation Research</i> , 2010, 51, 365-383.	0.8	122
38	Complicated biallelic inactivation of Pten in radiation-induced mouse thymic lymphomas. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 686, 30-38.	0.4	9
39	DNA Copy Number Aberrations and Disruption of the p16Ink4a/Rb Pathway in Radiation-Induced and Spontaneous Rat Mammary Carcinomas. <i>Radiation Research</i> , 2010, 174, 206-215.	0.7	17
40	513 DNA copy number changes in radiation-induced mammary carcinoma of (SD Å— COP) F1 hybrid rats. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 131.	2.2	0
41	515 Number of stem-like cells and the genetic susceptibility to mammary carcinogenesis in rats. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 132.	2.2	0
42	Unique Characteristics of Radiation-Induced Apoptosis in the Postnatally Developing Small Intestine and Colon of Mice. <i>Radiation Research</i> , 2009, 173, 310.	0.7	19
43	Radiation-Induced Mammary Carcinogenesis in Rodent Models: What's Different from Chemical Carcinogenesis?. <i>Journal of Radiation Research</i> , 2009, 50, 281-293.	0.8	43
44	Combined Effect of Ionizing Radiation and N-Ethyl-N-Nitrosourea on Mutation Induction and Lymphoma Development. , 2009, , 227-231.		0
45	Gene Expression Profiling Distinguishes Between Spontaneous and Radiation-induced Rat Mammary Carcinomas. <i>Journal of Radiation Research</i> , 2008, 49, 349-360.	0.8	19
46	High Relative Biologic Effectiveness of Carbon Ion Radiation on Induction of Rat Mammary Carcinoma and its Lack of H-ras and Tp53 Mutations. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 69, 194-203.	0.4	64
47	Combined Effect of Ionizing Radiation and Alkylating Agents on Cancer Induction. <i>Genes and Environment</i> , 2007, 29, 29-37.	0.9	3
48	Mammary Tumorigenesis inApcMin/+Mice is Enhanced by X Irradiation with a Characteristic Age Dependence. <i>Radiation Research</i> , 2006, 165, 165-173.	0.7	15
49	Mild Inflammation Accelerates Colon Carcinogenesis in <i>mlh1</i> -Deficient Mice. <i>Oncology</i> , 2006, 71, 124-130.	0.9	19
50	Persistent cell proliferation of terminal end buds precedes radiation-induced rat mammary carcinogenesis. <i>In Vivo</i> , 2006, 20, 353-8.	0.6	5
51	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. <i>International Journal of Cancer</i> , 2005, 115, 187-193.	2.3	21
52	Serotonin Regulates Mammary Gland Development via an Autocrine-Paracrine Loop. <i>Developmental Cell</i> , 2004, 6, 193-203.	3.1	219
53	Up-regulation of thymosin beta 4 gene expression in experimentally-induced uterine adenomyosis in mice. <i>In Vivo</i> , 2003, 17, 561-5.	0.6	2
54	Cortactin-Binding Protein 90 (CBP90) Expression in the Mouse Mammary Glands during Prolactin-Induced Lobuloalveolar Development. <i>Zoological Science</i> , 2002, 19, 443-448.	0.3	3

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55	Prevention of neonatal estrogen imprinting by vitamin A as indicated by estrogen receptor expression in the mouse vagina. <i>Cell and Tissue Research</i> , 2001, 306, 441-447.	1.5	13
56	Extrapituitary Expression of the Prolactin Gene in the Goldfish, African Clawed Frog and Mouse. <i>Zoological Science</i> , 2000, 17, 791-796.	0.3	27
57	Newsletter of Japan Society for Comparative Endocrinology, 1999, 25, 28-30.		
58	Expression of prolactin messenger ribonucleic acid in the mouse gonads during sexual maturation. <i>Life Sciences</i> , 1998, 63, 2251-2258.	2.0	16