

# Mitsuru Futakuchi

## List of Publications by Year in descending order

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105  
papers

3,620  
citations

147801

31  
h-index

149698

56  
g-index

107  
all docs

107  
docs citations

107  
times ranked

4281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathogenesis of follicular thymic hyperplasia associated with rheumatoid arthritis. Pathology International, 2022, 72, 252-260.	1.3	3
2	Oncogenic isoform switch of tumor suppressor BCL11B in adult T-cell leukemia/lymphoma. Experimental Hematology, 2022, 111, 41-49.	0.4	0
3	Pulmonary atherosclerosis in a patient with chronic thromboembolic pulmonary hypertension. Pathology International, 2021, 71, 164-166.	1.3	0
4	Myocardial Damage and Microvasculopathy in a Patient With Systemic Sclerosis. Circulation Journal, 2021, 85, 224.	1.6	2
5	Mathematical Modeling of Tumor Malignancy in Bone Microenvironment. Springer Proceedings in Mathematics and Statistics, 2021, , 235-241.	0.2	0
6	Establishment and characterization of highly osteolytic luminal breast cancer cell lines by intracaudal arterial injection. Genes To Cells, 2020, 25, 111-123.	1.2	27
7	The Effects of TGF- $\beta$ 2 Signaling on Cancer Cells and Cancer Stem Cells in the Bone Microenvironment. International Journal of Molecular Sciences, 2019, 20, 5117.	4.1	22
8	Detection of Lung Cancer Lymph Node Metastases from Whole-Slide Histopathologic Images Using a Two-Step Deep Learning Approach. American Journal of Pathology, 2019, 189, 2428-2439.	3.8	55
9	Evaluation of a biomarker for the diagnosis of pancreas cancer using an animal model. Journal of Toxicologic Pathology, 2019, 32, 135-141.	0.7	6
10	Cancer-Associated Fibroblasts Enhance Survival and Progression of the Aggressive Pancreatic Tumor Via FGF-2 and CXCL8. Cancer Microenvironment, 2019, 12, 37-46.	3.1	32
11	Calvarial Bone Implantation and in vivo Imaging of Tumor Cells in Mice. Bio-protocol, 2019, 9, e3151.	0.4	0
12	Cancer-secreted hsa-miR-940 induces an osteoblastic phenotype in the bone metastatic microenvironment via targeting ARHGAP1 and FAM134A. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2204-2209.	7.1	200
13	Persistent Pleural Lesions and Inflammation by Pulmonary Exposure of Multiwalled Carbon Nanotubes. Chemical Research in Toxicology, 2018, 31, 1025-1031.	3.3	8
14	Therapeutic and Preventive Effects of Osteoclastogenesis Inhibitory Factor on Osteolysis, Proliferation of Mammary Tumor Cell and Induction of Cancer Stem Cells in the Bone Microenvironment. International Journal of Molecular Sciences, 2018, 19, 888.	4.1	2
15	A novel monoclonal antibody targeting coxsackie virus and adenovirus receptor inhibits tumor growth in vivo. Scientific Reports, 2017, 7, 40400.	3.3	11
16	Loss of NDRG2 Expression Confers Oral Squamous Cell Carcinoma with Enhanced Metastatic Potential. Cancer Research, 2017, 77, 2363-2374.	0.9	35
17	Fenton reaction-induced renal carcinogenesis in <i>Mutyh</i> -deficient mice exhibits less chromosomal aberrations than the rat model. Pathology International, 2017, 67, 564-574.	1.3	14
18	Abstract 182: A new anticancer agent derived from decenoic acid for the treatment of colon cancer. , 2017, , .		0

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19	Abstract 2178: Growth inhibition of the crude extracts of <i>Musa basjoo</i> in human colon carcinoma cells. , 2017, , .		0
20	Suppression of C5a decreases ischemia/reperfusion injury and increases proliferation of epithelial cells in the rat small intestine. <i>Immunobiology</i> , 2016, 221, 1146.	1.9	0
21	Multiwalled carbon nanotubes intratracheally instilled into the rat lung induce development of pleural malignant mesothelioma and lung tumors. <i>Cancer Science</i> , 2016, 107, 924-935.	3.9	116
22	C5a inhibitor protects against ischemia/reperfusion injury in rat small intestine. <i>Microbiology and Immunology</i> , 2016, 60, 35-46.	1.4	22
23	Heterogeneity of tumor cells in the bone microenvironment: Mechanisms and therapeutic targets for bone metastasis of prostate or breast cancer. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 206-211.	13.7	69
24	Chemokine (Câ€C motif) ligand 3 detection in the serum of persons exposed to asbestos: A patientâ€based study. <i>Cancer Science</i> , 2015, 106, 825-832.	3.9	7
25	In vivo 18F-fluorodeoxyglucose-positron emission tomography/computed tomography imaging of pancreatic tumors in a transgenic rat model carrying the human KRASG12V oncogene. <i>Oncology Letters</i> , 2015, 9, 2112-2118.	1.8	0
26	Murine Herc6 Plays a Critical Role in Protein ISGylation <i>In Vivo</i> and Has an ISGylation-Independent Function in Seminal Vesicles. <i>Journal of Interferon and Cytokine Research</i> , 2015, 35, 351-358.	1.2	16
27	Rat N-ERC/Mesothelin as a Marker for In Vivo Screening of Drugs against Pancreas Cancer. <i>PLoS ONE</i> , 2014, 9, e111481.	2.5	4
28	Sizeâ€and shapeâ€dependent pleural translocation, deposition, fibrogenesis, and mesothelial proliferation by multiwalled carbon nanotubes. <i>Cancer Science</i> , 2014, 105, 763-769.	3.9	64
29	Nanosized zinc oxide particles do not promote DHPN-induced lung carcinogenesis but cause reversible epithelial hyperplasia of terminal bronchioles. <i>Archives of Toxicology</i> , 2014, 88, 65-75.	4.2	15
30	Inhibition of intestinal polyp growth by oral ingestion of bovine lactoferrin and immune cells in the large intestine. <i>BioMetals</i> , 2014, 27, 1017-1029.	4.1	39
31	A Novel Transgenic Mouse Model Carrying Human Tribbles Related Protein 3 (TRB3) Gene and Its Site Specific Phenotype. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1068-1074.	1.4	1
32	Comparative Study of Toxic Effects of Anatase and Rutile Type Nanosized Titanium Dioxide Particles in vivo and in vitro. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 929-935.	1.2	30
33	Animal model for mammary tumor growth in the bone microenvironment. <i>Breast Cancer</i> , 2013, 20, 195-203.	2.9	17
34	A novel reporter rat strain that expresses LacZ upon Creâ€mediated recombination. <i>Genesis</i> , 2013, 51, 268-274.	1.6	4
35	Promotive effects of cell proliferation and chromosomal instability induced by tribbles-related protein 3 in mouse mammary tumor cells. <i>Oncology Reports</i> , 2013, 30, 64-70.	2.6	1
36	Abstract 3604: Evaluation of carcinogenic effect of multiwall carbon nanotubes on the rat lung at 2 and 52 weeks after pulmonary instillation.. , 2013, , .		0

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37	Abstract 3606: Effect of anatase type nanosized titanium dioxide particles on the rat lung and cultured macrophage.. , 2013, , .		0
38	Lack of promoting effect of titanium dioxide particles on chemically-induced skin carcinogenesis in rats and mice. <i>Journal of Toxicological Sciences</i> , 2012, 37, 317-327.	1.5	13
39	Multi-walled carbon nanotubes translocate into the pleural cavity and induce visceral mesothelial proliferation in rats. <i>Cancer Science</i> , 2012, 103, 2045-2050.	3.9	101
40	Dose-dependent mesothelioma induction by intraperitoneal administration of multi-wall carbon nanotubes in p53 heterozygous mice. <i>Cancer Science</i> , 2012, 103, 1440-1444.	3.9	170
41	Lack of promoting effect of titanium dioxide particles on ultraviolet B-initiated skin carcinogenesis in rats. <i>Food and Chemical Toxicology</i> , 2011, 49, 1298-1302.	3.6	27
42	A Cross-Species Analysis of a Mouse Model of Breast Cancer-Specific Osteolysis and Human Bone Metastases Using Gene Expression Profiling. <i>BMC Cancer</i> , 2011, 11, 304.	2.6	13
43	Cancer prevention by bovine lactoferrin: from animal studies to human trial. <i>BioMetals</i> , 2010, 23, 399-409.	4.1	91
44	Mature acinar cells are refractory to carcinoma development by targeted activation of Ras oncogene in adult rats. <i>Cancer Science</i> , 2010, 101, 341-346.	3.9	16
45	Involvement of macrophage inflammatory protein 1 $\alpha$ (MIP1 $\alpha$ ) in promotion of rat lung and mammary carcinogenic activity of nanoscale titanium dioxide particles administered by intra-pulmonary spraying. <i>Carcinogenesis</i> , 2010, 31, 927-935.	2.8	48
46	A Medium-Term, Rapid Rat Bioassay Model for the Detection of Carcinogenic Potential of Chemicals. <i>Toxicologic Pathology</i> , 2010, 38, 182-187.	1.8	33
47	Matrix Metalloproteinase (MMP)-13 Regulates Mammary Tumor-Induced Osteolysis by Activating MMP9 and Transforming Growth Factor- $\beta$ Signaling at the Tumor-Bone Interface. <i>Cancer Research</i> , 2010, 70, 3494-3504.	0.9	111
48	Cathepsin G-mediated enhanced TGF- $\beta$ signaling promotes angiogenesis via upregulation of VEGF and MCP-1. <i>Cancer Letters</i> , 2010, 288, 162-169.	7.2	86
49	Enhanced expression and shedding of receptor activator of NF- $\kappa$ B ligand during tumor-bone interaction potentiates mammary tumor-induced osteolysis. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 797-808.	3.3	15
50	Transforming growth factor- $\beta$ signaling at the tumor-bone interface promotes mammary tumor growth and osteoclast activation. <i>Cancer Science</i> , 2009, 100, 71-81.	3.9	58
51	Anticarcinogenesis pathways activated by bovine lactoferrin in the murine small intestine. <i>Biochimie</i> , 2009, 91, 86-101.	2.6	67
52	Toxicology of engineered nanomaterials - a review of carcinogenic potential. <i>Asian Pacific Journal of Cancer Prevention</i> , 2009, 10, 975-80.	1.2	22
53	Effect of heat therapy using magnetic nanoparticles conjugated with cationic liposomes on prostate tumor in bone. <i>Prostate</i> , 2008, 68, 784-792.	2.3	54
54	Transforming growth factor $\beta$ derived from bone matrix promotes cell proliferation of prostate cancer and osteoclast activation-associated osteolysis in the bone microenvironment. <i>Cancer Science</i> , 2008, 99, 316-323.	3.9	34

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55	Modifying effects of chitin, chitosan and their related compounds on 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) in a rat medium-term hepatocarcinogenesis model, and their post-initiation effects in a female rat 2-stage multi-organ carcinogenesis model. <i>Food and Chemical Toxicology</i> , 2008, 46, 2758-2763.	3.6	4
56	HEAT THERAPY WITH CATIONIC LIPOSOME MIGHT SUPPRESS THE PROLIFERATION OF PROSTATE CANCER IN BONE MICROENVIRONMENT VIA THE REDUCTION OF TGF- $\beta$ 2 LEVEL IN BONE MICROENVIRONMENT. <i>Journal of Urology</i> , 2008, 179, 420-421.	0.4	0
57	Cathepsin G Enhances Mammary Tumor-Induced Osteolysis by Generating Soluble Receptor Activator of Nuclear Factor- $\kappa$ B Ligand. <i>Cancer Research</i> , 2008, 68, 5803-5811.	0.9	84
58	Differences in Expression Patterns of Cell Cycle Regulators after Cessation of Genotoxic and Non-genotoxic Carcinogen Treatment in the Rat Forestomach. <i>Journal of Toxicologic Pathology</i> , 2008, 21, 77-87.	0.7	1
59	Both Early and Late Stages of Hepatocarcinogenesis Are Enhanced in Cx32 Dominant Negative Mutant Transgenic Rats with Disrupted Gap Junctional Intercellular Communication. <i>Journal of Membrane Biology</i> , 2007, 218, 101-106.	2.1	21
60	Combined Chemopreventive Effects of Perilla or Corn Oil and Indomethacin in a Rat Medium-Term Multiorgan Carcinogenesis Model. <i>Journal of Toxicologic Pathology</i> , 2007, 20, 245-252.	0.7	1
61	547: Suppression of the Prostate Tumor Growth and Bone Destruction in the Bone Microenvironment by Heat Therapy with Magnetic Nano-Particle Conjugated with Cationic Liposome. <i>Journal of Urology</i> , 2007, 177, 182-182.	0.4	0
62	Complete regression of experimental prostate cancer in nude mice by repeated hyperthermia using magnetite cationic liposomes and a newly developed solenoid containing a ferrite core. <i>Prostate</i> , 2006, 66, 718-727.	2.3	50
63	Lack of Prophylactic Effect of Incadronate on Skeletal Lesions Associated with Implants of Prostate Cancer. <i>European Urology</i> , 2006, 49, 176-182.	1.9	4
64	Gene expression profiling using a unique murine mammary tumor model reveal role of novel genes regulating tumor-stromal interaction in mammary tumor-induced osteolysis. <i>FASEB Journal</i> , 2006, 20, A222.	0.5	0
65	MMP-7 promotes prostate cancer-induced osteolysis via the solubilization of RANKL. <i>Cancer Cell</i> , 2005, 7, 485-496.	16.8	349
66	Kinetics of Marked Development of Lung Metastasis of Rat Prostatic Carcinomas Transplanted in Syngeneic Rats. <i>Clinical and Experimental Metastasis</i> , 2005, 22, 309-318.	3.3	2
67	Modification of an in vivo Lung Metastasis Model of Hepatocellular Carcinoma by Low Dose N-nitrosomorpholine and Diethylnitrosamine. <i>Clinical and Experimental Metastasis</i> , 2005, 22, 441-447.	3.3	18
68	Anticancer effect of hyperthermia on prostate cancer mediated by magnetite cationic liposomes and immune-response induction in transplanted syngeneic rats. <i>Prostate</i> , 2005, 64, 373-381.	2.3	110
69	Suppression of metastasis by nuclear factor $\kappa$ B inhibitors in an in vivo lung metastasis model of chemically induced hepatocellular carcinoma. <i>Cancer Science</i> , 2004, 95, 18-24.	3.9	39
70	Dose response study of conjugated fatty acid derived from safflower oil on mammary and colon carcinogenesis pretreated with 7,12-dimethylbenz[a]anthracene (DMBA) and 1,2-dimethylhydrazine (DMH) in female Sprague-Dawley rats. <i>Cancer Letters</i> , 2003, 196, 161-168.	7.2	29
71	Chemoprevention of 2-amino-1-methyl-6-phenylimidazo-[4,5-b]pyridine-induced colon carcinogenesis by 1-O-hexyl-2,3,5-trimethylhydroquinone after initiation with 1,2-dimethylhydrazine in F344 rats. <i>Carcinogenesis</i> , 2002, 23, 283-287.	2.8	14
72	Inhibition of conjugated fatty acids derived from safflower or perilla oil of induction and development of mammary tumors in rats induced by 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). <i>Cancer Letters</i> , 2002, 178, 131-139.	7.2	42

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73	Lack of inhibitory effects of green tea catechins in 1,2-dimethylhydrazine-induced rat intestinal carcinogenesis model: comparison of the different formulations, administration routes and doses. <i>Cancer Letters</i> , 2002, 188, 163-170.	7.2	26
74	Suppression of Lung Metastasis by Aspirin but Not Indomethacin in an in vivo Model of Chemically Induced Hepatocellular Carcinoma. <i>Japanese Journal of Cancer Research</i> , 2002, 93, 1175-1181.	1.7	24
75	Effects of Antioxidant 1-O-Hexyl-2,3,5-trimethylhydroquinone or Ascorbic Acid on Carcinogenesis Induced by Administration of Aminopyrine and Sodium Nitrite in a Rat Multi-organ Carcinogenesis Model. <i>Japanese Journal of Cancer Research</i> , 2002, 93, 1299-1307.	1.7	13
76	Site-dependent modulating effects of conjugated fatty acids from safflower oil in a rat two-stage carcinogenesis model in female Sprague-Dawley rats. <i>Cancer Letters</i> , 2001, 168, 15-21.	7.2	25
77	Establishment of rat hepatocellular carcinoma cell lines with differing metastatic potential in nude mice. <i>International Journal of Cancer</i> , 2001, 91, 797-802.	5.1	26
78	Protective mechanisms against the intestinal nematode <i>Strongyloides venezuelensis</i> in <i>Schistosoma japonicum</i> -infected mice. <i>Parasite Immunology</i> , 2000, 22, 279-286.	1.5	18
79	Suppressive Effects of Dietary Genistin and Daidzin on Rat Prostate Carcinogenesis. <i>Japanese Journal of Cancer Research</i> , 2000, 91, 786-791.	1.7	54
80	Effects of arctiin on PhIP-induced mammary, colon and pancreatic carcinogenesis in female Sprague-Dawley rats and MeIQx-induced hepatocarcinogenesis in male F344 rats. <i>Cancer Letters</i> , 2000, 155, 79-88.	7.2	103
81	Inhibitory effects of low doses of melatonin on induction of preneoplastic liver lesions in a medium-term liver bioassay in F344 rats: relation to the influence of electromagnetic near field exposure. <i>Cancer Letters</i> , 2000, 155, 105-114.	7.2	30
82	Experimental prostate carcinogenesis in rodent models. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 462, 219-226.	5.5	79
83	Development of Androgen-independent Carcinomas from Androgen-dependent Preneoplastic Lesions in the Male Accessory Sex Organs of Rats Treated with 3,2-Dimethyl-4-aminobiphenyl and Testosterone Propionate. <i>Japanese Journal of Cancer Research</i> , 1999, 90, 23-30.	1.7	6
84	Establishment of an in vivo Highly Metastatic Rat Hepatocellular Carcinoma Model. <i>Japanese Journal of Cancer Research</i> , 1999, 90, 1196-1202.	1.7	33
85	Chemoprevention of heterocyclic amine-induced carcinogenesis by phenolic compounds in rats. <i>Cancer Letters</i> , 1999, 143, 173-178.	7.2	62
86	Carcinogenicity of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in the rat prostate and induction of invasive carcinomas by subsequent treatment with testosterone propionate. <i>Cancer Letters</i> , 1999, 143, 217-221.	7.2	50
87	Stage and organ dependent effects of 1-O-hexyl-2,3,5-trimethylhydroquinone, ascorbic acid derivatives, N-heptadecane-8,10-dione and phenylethyl isothiocyanate in a rat multiorgan carcinogenesis model. , 1998, 76, 851-856.		32
88	Strong promoting activity of phenylethyl isothiocyanate and benzyl isothiocyanate on urinary bladder carcinogenesis in F344 male rats. , 1998, 77, 773-777.		95
89	Studies of initiation and promotion of carcinogenesis by N-nitroso compounds. <i>Cancer Letters</i> , 1998, 123, 185-191.	7.2	29
90	Establishment of Transplantable Rat Prostate Carcinomas from Primary Lesions Induced by 3,2'-Dimethyl-4-aminobiphenyl and Testosterone.. <i>Journal of Toxicologic Pathology</i> , 1998, 11, 27-32.	0.7	6

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91	Modification of the Carcinogenic Potency of Quinoline, a Hepatocarcinogen, by Fluorine Atom Substitution: Evaluation of Carcinogenicity by a Medium-Term Assay.. Biological and Pharmaceutical Bulletin, 1997, 20, 40-43.	1.4	24
92	Highly metastatic hepatocellular carcinomas induced in male F344 rats treated with N-nitrosomorpholine in combination with other hepatocarcinogens show a high incidence of p53 gene mutations along with altered mRNA expression of tumor-related genes. Cancer Letters, 1997, 112, 33-45.	7.2	29
93	Clinicopathological analysis on cancers of autopsy cases in a geriatric hospital. Pathology International, 1997, 47, 293-300.	1.3	20
94	Low susceptibility of the spontaneously hypertensive rat (SHR) to quinoline-induction of hepatic hemangioendothelial sarcomas. Cancer Letters, 1996, 104, 37-41.	7.2	9
95	Effects of low dose mixtures of four N-nitroso compounds on hepatic foci development in the rat. Cancer Letters, 1996, 106, 263-269.	7.2	8
96	Ki-ras mutations with frequent normal allele loss versus absence of p53 mutations in rat prostate and seminal vesicle carcinomas induced with 3,2-dimethyl-4-aminobiphenyl. Molecular Carcinogenesis, 1995, 13, 21-26.	2.7	11
97	Site-specific Effects of Testosterone Propionate on the Prostate of Rat Pretreated with 3,2-Dimethyl-4-aminobiphenyl:Dose-dependent Induction of Invasive Carcinomas. Japanese Journal of Cancer Research, 1995, 86, 645-648.	1.7	24
98	Hepatocyte Growth Factor Enhancement of Preneoplastic Hepatic Foci Development in Rats Treated with Diethylnitrosamine and N-Ethyl-N-hydroxyethylnitrosamine. Japanese Journal of Cancer Research, 1995, 86, 718-723.	1.7	20
99	Immunohistochemically demonstrated androgen receptor expression in the rat prostate during carcinogenesis induced by 3,2-dimethyl-4-aminobiphenyl with or without testosterone. Urologic Oncology: Seminars and Original Investigations, 1995, 1, 263-268.	1.6	9
100	Synergistic enhancement of hepatic foci development by combined treatment of rats with 10 heterocyclic amines at low doses. Carcinogenesis, 1994, 15, 1037-1041.	2.8	30
101	Inhibition of mammary gland carcinogenesis by green tea catechins and other naturally occurring antioxidants in female Sprague-Dawley rats pretreated with 7,12-dimethylbenz[a]anthracene. Cancer Letters, 1994, 83, 149-156.	7.2	105
102	Phenotypic alteration of hepatocellular foci in rats treated with clofibrate and phenobarbital. Cancer Letters, 1994, 83, 89-95.	7.2	19
103	Thirteen-week oral toxicity study of magnesium chloride in B6C3F1 mice. Toxicology Letters, 1994, 73, 25-32.	0.8	4
104	Comparison of Reversibility of Rat Forestomach Lesions Induced by Genotoxic and Non-genotoxic Carcinogens. Japanese Journal of Cancer Research, 1993, 84, 1120-1129.	1.7	27
105	Modification of hepato- and renal carcinogenesis by catechol and its isomers in rats pretreated with N-ethyl-N-hydroxyethylnitrosamine. Teratogenesis, Carcinogenesis, and Mutagenesis, 1993, 13, 127-137.	0.8	16