

# Futoshi Okada

## List of Publications by Citations

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108  
papers

3,327  
citations

35  
h-index

54  
g-index

115  
ext. papers

3,659  
ext. citations

4.6  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
108	Fundamental roles of reactive oxygen species and protective mechanisms in the female reproductive system. <i>Reproductive Biology and Endocrinology</i> , <b>2005</b> , 3, 43	5	166
107	Dominant-negative hypoxia-inducible factor-1 alpha reduces tumorigenicity of pancreatic cancer cells through the suppression of glucose metabolism. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 1283-91	5.8	158
106	Peroxiredoxin 4 knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , <b>2009</b> , 419, 149-58	3.8	157
105	Infiltration of neutrophils is required for acquisition of metastatic phenotype of benign murine fibrosarcoma cells: implication of inflammation-associated carcinogenesis and tumor progression. <i>American Journal of Pathology</i> , <b>2003</b> , 163, 2221-32	5.8	151
104	Elevated oxidative stress in erythrocytes due to a SOD1 deficiency causes anaemia and triggers autoantibody production. <i>Biochemical Journal</i> , <b>2007</b> , 402, 219-27	3.8	134
103	Thymosin-beta4 regulates motility and metastasis of malignant mouse fibrosarcoma cells. <i>American Journal of Pathology</i> , <b>2002</b> , 160, 869-82	5.8	113
102	Accelerated impairment of spermatogenic cells in SOD1-knockout mice under heat stress. <i>Free Radical Research</i> , <b>2005</b> , 39, 697-705	4	96
101	Serum miR-210 as a potential biomarker of early clear cell renal cell carcinoma. <i>International Journal of Oncology</i> , <b>2014</b> , 44, 53-8	4.4	84
100	Inhibition of Akt kinase activity by a peptide spanning the betaA strand of the proto-oncogene TCL1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53407-18	5.4	71
99	Inflammation-related carcinogenesis: current findings in epidemiological trends, causes and mechanisms. <i>Yonago Acta Medica</i> , <b>2014</b> , 57, 65-72	1.3	71
98	Enhanced expression of asparagine synthetase under glucose-deprived conditions protects pancreatic cancer cells from apoptosis induced by glucose deprivation and cisplatin. <i>Cancer Research</i> , <b>2007</b> , 67, 3345-55	10.1	69
97	Adrenomedullin antagonist suppresses in vivo growth of human pancreatic cancer cells in SCID mice by suppressing angiogenesis. <i>Oncogene</i> , <b>2003</b> , 22, 1238-42	9.2	69
96	Synergistic up-regulation of Hexokinase-2, glucose transporters and angiogenic factors in pancreatic cancer cells by glucose deprivation and hypoxia. <i>Experimental Cell Research</i> , <b>2007</b> , 313, 3337-48	4.2	64
95	siRNA gelsolin knockdown induces epithelial-mesenchymal transition with a cadherin switch in human mammary epithelial cells. <i>International Journal of Cancer</i> , <b>2006</b> , 118, 1680-91	7.5	64
94	Gelsolin functions as a metastasis suppressor in B16-BL6 mouse melanoma cells and requirement of the carboxyl-terminus for its effect. <i>International Journal of Cancer</i> , <b>2001</b> , 93, 773-80	7.5	63
93	Overexpression of homeobox gene HOXD3 induces coordinate expression of metastasis-related genes in human lung cancer cells. <i>International Journal of Cancer</i> , <b>2001</b> , 93, 516-25	7.5	59
92	PAI-1, a target gene of miR-143, regulates invasion and metastasis by upregulating MMP-13 expression of human osteosarcoma. <i>Cancer Medicine</i> , <b>2016</b> , 5, 892-902	4.8	58

91	Proteomic profiling for cancer progression: Differential display analysis for the expression of intracellular proteins between regressive and progressive cancer cell lines. <i>Proteomics</i> , <b>2005</b> , 5, 1024-32	4.8	58
90	Beyond foreign-body-induced carcinogenesis: impact of reactive oxygen species derived from inflammatory cells in tumorigenic conversion and tumor progression. <i>International Journal of Cancer</i> , <b>2007</b> , 121, 2364-72	7.5	56
89	Inflammation and free radicals in tumor development and progression. <i>Redox Report</i> , <b>2002</b> , 7, 357-68	5.9	56
88	Nano-scaled particles of titanium dioxide convert benign mouse fibrosarcoma cells into aggressive tumor cells. <i>American Journal of Pathology</i> , <b>2009</b> , 175, 2171-83	5.8	54
87	Cystathionine is a novel substrate of cystine/glutamate transporter: implications for immune function. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 8778-88	5.4	49
86	miR-19b regulates hTERT mRNA expression through targeting PITX1 mRNA in melanoma cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 8201	4.9	49
85	Conversion of human colonic adenoma cells to adenocarcinoma cells through inflammation in nude mice. <i>Laboratory Investigation</i> , <b>2000</b> , 80, 1617-28	5.9	49
84	Increased E1AF expression in mouse fibrosarcoma promotes metastasis through induction of MT1-MMP expression. <i>Oncogene</i> , <b>1999</b> , 18, 1771-6	9.2	49
83	Changes in the tumorigenic and metastatic properties of tumor cells treated with quercetin or 5-azacytidine. <i>International Journal of Cancer</i> , <b>1987</b> , 39, 338-42	7.5	49
82	Exosomes and Their Role in Cancer Progression. <i>Yonago Acta Medica</i> , <b>2019</b> , 62, 182-190	1.3	46
81	MicroRNA-Based Diagnosis and Treatment of Metastatic Human Osteosarcoma. <i>Cancers</i> , <b>2019</b> , 11,	6.6	44
80	miRNA therapy targeting cancer stem cells: a new paradigm for cancer treatment and prevention of tumor recurrence. <i>Therapeutic Delivery</i> , <b>2015</b> , 6, 323-37	3.8	43
79	The role of nicotinamide adenine dinucleotide phosphate oxidase-derived reactive oxygen species in the acquisition of metastatic ability of tumor cells. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 294-302	5.8	43
78	Hypoxia suppresses the production of matrix metalloproteinases and the migration of human monocyte-derived dendritic cells. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 3468-77	6.1	42
77	Specific inactivation of cysteine protease-type cathepsin by singlet oxygen generated from naphthalene endoperoxides. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 331, 215-23	3.4	40
76	Improved therapeutic effects of interleukin 2 after the accumulation of lymphokine-activated killer cells in tumor tissue of mice previously treated with cyclophosphamide. <i>Cancer Immunology, Immunotherapy</i> , <b>1988</b> , 26, 250-6	7.4	37
75	Deterioration of ischemia/reperfusion-induced acute renal failure in SOD1-deficient mice. <i>Free Radical Research</i> , <b>2007</b> , 41, 200-7	4	36
74	Implication of oxidative stress as a cause of autoimmune hemolytic anemia in NZB mice. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 935-44	7.8	35

73	Activated leukocyte cell adhesion molecule (ALCAM) and annexin II are involved in the metastatic progression of tumor cells after chemotherapy with Adriamycin. <i>Clinical and Experimental Metastasis</i> , <b>2000</b> , 18, 45-50	4.7	35
72	Regression mechanisms of mouse fibrosarcoma cells after in vitro exposure to quercetin: diminution of tumorigenicity with a corresponding decrease in the production of prostaglandin E2. <i>Cancer Immunology, Immunotherapy</i> , <b>1990</b> , 31, 358-64	7.4	34
71	Rescue of anaemia and autoimmune responses in SOD1-deficient mice by transgenic expression of human SOD1 in erythrocytes. <i>Biochemical Journal</i> , <b>2009</b> , 422, 313-20	3.8	33
70	Spontaneous skin damage and delayed wound healing in SOD1-deficient mice. <i>Molecular and Cellular Biochemistry</i> , <b>2010</b> , 341, 181-94	4.2	33
69	Enhanced expression of cystine/glutamate transporter in the lung caused by the oxidative-stress-inducing agent paraquat. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 2197-203	7.8	27
68	Correlation between the presence of microvilli and the growth or metastatic potential of tumor cells. <i>Japanese Journal of Cancer Research</i> , <b>1990</b> , 81, 920-6		27
67	Fermented Brown Rice and Rice Bran with <i>Aspergillus oryzae</i> (FBRA) Prevents Inflammation-Related Carcinogenesis in Mice, through Inhibition of Inflammatory Cell Infiltration. <i>Nutrients</i> , <b>2015</b> , 7, 10237-50	6.7	26
66	Host stromal versican is essential for cancer-associated fibroblast function to inhibit cancer growth. <i>International Journal of Cancer</i> , <b>2016</b> , 138, 630-41	7.5	25
65	Trichostatin A with adenovirus-mediated p53 gene transfer synergistically induces apoptosis in breast cancer cell line MDA-MB-231. <i>Oncology Reports</i> , <b>2009</b> , 22, 143-8	3.5	24
64	Identification of MicroRNAs Involved in Resistance to Sunitinib in Renal Cell Carcinoma Cells. <i>Anticancer Research</i> , <b>2017</b> , 37, 2985-2992	2.3	23
63	IL-17A-producing CD30(+) V $\alpha$ T cells drive inflammation-induced cancer progression. <i>Cancer Science</i> , <b>2016</b> , 107, 1206-14	6.9	22
62	Progression of weakly malignant clone cells derived from rat mammary carcinoma by host cells reactive to plastic plates. <i>Japanese Journal of Cancer Research</i> , <b>1992</b> , 83, 483-90		21
61	Fascin regulates chronic inflammation-related human colon carcinogenesis by inhibiting cell anoikis. <i>Proteomics</i> , <b>2014</b> , 14, 1031-41	4.8	20
60	A possible role of 92 kDa type IV collagenase in the extramedullary tumor formation in leukemia. <i>Japanese Journal of Cancer Research</i> , <b>1995</b> , 86, 298-303		20
59	Loss of the cystine/glutamate antiporter in melanoma abrogates tumor metastasis and markedly increases survival rates of mice. <i>International Journal of Cancer</i> , <b>2020</b> , 147, 3224-3235	7.5	20
58	Inhibitor of apoptosis proteins (IAPs) may be effective therapeutic targets for treating endometriosis. <i>Human Reproduction</i> , <b>2015</b> , 30, 149-58	5.7	19
57	Aggravation of ischemia-reperfusion-triggered acute renal failure in xCT-deficient mice. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 490, 63-9	4.1	19
56	Establishment and characterization of human urothelial cancer xenografts in severe combined immunodeficient mice. <i>International Journal of Urology</i> , <b>2006</b> , 13, 47-57	2.3	19

55	Inhibitory effect of a traditional Chinese medicine, Juzen-taiho-to, on progressive growth of weakly malignant clone cells derived from murine fibrosarcoma. <i>Japanese Journal of Cancer Research</i> , <b>1996</b> , 87, 1039-44		18
54	Chemopreventive Strategies for Inflammation-Related Carcinogenesis: Current Status and Future Direction. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	17
53	Involvement of reactive nitrogen oxides for acquisition of metastatic properties of benign tumors in a model of inflammation-based tumor progression. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2006</b> , 14, 122-5	5	17
52	Suppression of in vivo tumorigenicity of rat hepatoma cell line KDH-8 cells by soluble TGF-beta receptor type II. <i>Cancer Immunology, Immunotherapy</i> , <b>2002</b> , 51, 381-8	7.4	17
51	Amigo2-upregulation in Tumour Cells Facilitates Their Attachment to Liver Endothelial Cells Resulting in Liver Metastases. <i>Scientific Reports</i> , <b>2017</b> , 7, 43567	4.9	16
50	Proteomic analysis indicates that overexpression and nuclear translocation of lactoylglutathione lyase (GLO1) is associated with tumor progression in murine fibrosarcoma. <i>Electrophoresis</i> , <b>2014</b> , 35, 2195-202	3.6	16
49	Polysaccharide K induces Mn superoxide dismutase (Mn-SOD) in tumor tissues and inhibits malignant progression of QR-32 tumor cells: possible roles of interferon alpha, tumor necrosis factor alpha and transforming growth factor beta in Mn-SOD induction by polysaccharide K. <i>Cancer Immunology, Immunotherapy</i> , <b>1998</b> , 46, 338-44	7.4	16
48	Circulating microRNAs in drug safety assessment for hepatic and cardiovascular toxicity: the latest biomarker frontier?. <i>Molecular Diagnosis and Therapy</i> , <b>2014</b> , 18, 121-6	4.5	13
47	Protoporphyrinogen oxidase is involved in the fluorescence intensity of 5-aminolevulinic acid-mediated laser-based photodynamic endoscopic diagnosis for early gastric cancer. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2018</b> , 22, 79-85	3.5	12
46	Lysosome-associated membrane protein 2 (LAMP-2) expression induced by miR-194-5p downregulation contributes to sunitinib resistance in human renal cell carcinoma cells. <i>Oncology Letters</i> , <b>2018</b> , 15, 893-900	2.6	12
45	Progression of a weakly tumorigenic mouse fibrosarcoma at the site of early phase of inflammation caused by plastic plates. <i>Japanese Journal of Cancer Research</i> , <b>1993</b> , 84, 1230-6		12
44	Proteomic analysis for nuclear proteins related to tumour malignant progression: a comparative proteomic study between malignant progressive cells and regressive cells. <i>Anticancer Research</i> , <b>2010</b> , 30, 2093-9	2.3	12
43	Prognostic significance of sirtuin 2 protein nuclear localization in glioma: an immunohistochemical study. <i>Oncology Reports</i> , <b>2012</b> , 28, 923-30	3.5	11
42	Deficiency of the cystine-transporter gene, xCT, does not exacerbate the deleterious phenotypic consequences of SOD1 knockout in mice. <i>Molecular and Cellular Biochemistry</i> , <b>2008</b> , 319, 125-32	4.2	11
41	Protective Effects of Topiroxostat on an Ischemia-Reperfusion Model of Rat Hearts. <i>Circulation Journal</i> , <b>2018</b> , 82, 1101-1111	2.9	11
40	Chronic inflammation-derived nitric oxide causes conversion of human colonic adenoma cells into adenocarcinoma cells. <i>Experimental Cell Research</i> , <b>2013</b> , 319, 2835-44	4.2	10
39	Localization and characterization of $\beta$ -glutamyl cyclotransferase in cancer cells. <i>Molecular Medicine Reports</i> , <b>2009</b> , 2, 385-91	2.9	10
38	PITX1 protein interacts with ZCCHC10 to regulate hTERT mRNA transcription. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217605	3.6	9

37	PITX1 is a reliable biomarker for predicting prognosis in patients with oral epithelial dysplasia. <i>Oncology Letters</i> , <b>2014</b> , 7, 750-754	2.6	9
36	Development of a quantitative bioassay to assess preventive compounds against inflammation-based carcinogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2011</b> , 25, 183-94	5	9
35	Inhibition of mitomycin C-induced sister-chromatid exchanges in mouse bone marrow cells by the immunopotentiators Krestin and Lentinan. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>1989</b> , 226, 9-12		9
34	PITX1 is a novel predictor of the response to chemotherapy in head and neck squamous cell carcinoma. <i>Molecular and Clinical Oncology</i> , <b>2016</b> , 5, 89-94	1.6	9
33	Correlation of two distinct metastasis-associated proteins, MTA1 and S100A4, in angiogenesis for promoting tumor growth. <i>Oncogene</i> , <b>2019</b> , 38, 4715-4728	9.2	8
32	Molecular Mechanisms of Inflammation-Induced Carcinogenesis. <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2006</b> , 39, 103-113	3.1	8
31	TNP-470 Suppresses the Tumorigenicity of HT1080 Fibrosarcoma Tumor Through the Inhibition of VEGF Secretion From the Tumor Cells. <i>Sarcoma</i> , <b>2001</b> , 5, 197-202	3.1	8
30	Fascin protein stabilization by miR-146a implicated in the process of a chronic inflammation-related colon carcinogenesis model. <i>Inflammation Research</i> , <b>2018</b> , 67, 839-846	7.2	7
29	Ozone augments interleukin-8 production induced by ambient particulate matter. <i>Genes and Environment</i> , <b>2018</b> , 40, 14	2.8	7
28	In vivo anti- and pro-tumour activities of the TLR2 ligand FSL-1. <i>Immunobiology</i> , <b>2011</b> , 216, 891-900	3.4	7
27	Expression of AIE-75 PDZ-domain protein induces G2/M cell cycle arrest in human colorectal adenocarcinoma SW480 cells. <i>Cancer Letters</i> , <b>2004</b> , 211, 209-18	9.9	7
26	Single treatment with cisplatin or UFT, but not their combination treatment enhances the metastatic capacity of mouse fibrosarcoma cells. <i>Anti-Cancer Drugs</i> , <b>1999</b> , 10, 235-43	2.4	7
25	Effects of a combination of cyclophosphamide and human recombinant interleukin 2 on pulmonary metastasis after the surgical removal of a 3-methylcholanthrene-induced primary tumor in autochthonous mice. <i>Japanese Journal of Cancer Research</i> , <b>1988</b> , 79, 1147-54		7
24	Synthesis and biological evaluation of glucose conjugated phthalocyanine as a second-generation photosensitizer. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 3279-3284	3.4	6
23	High-intensity focused ultrasound induced apoptosis with caspase $\beta$ , 8, and 9/6 activation in rat hepatoma. <i>Journal of Medical Ultrasonics (2001)</i> , <b>2009</b> , 36, 177	1.4	6
22	Design, synthesis, and biological evaluation of a highly water-soluble psoralen-based photosensitizer. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 2372-2377	3.4	5
21	The circadian rhythm of bladder clock genes in the spontaneously hypersensitive rat. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220381	3.7	5
20	The SOD1 transgene expressed in erythroid cells alleviates fatal phenotype in congenic NZB/NZW-F1 mice. <i>Free Radical Research</i> , <b>2016</b> , 50, 793-800	4	5



19	Inflammation-Related Carcinogenesis: Lessons from Animal Models to Clinical Aspects. <i>Cancers</i> , <b>2021</b> , 13,	6.6	5
18	AMIGO2 as a novel indicator of liver metastasis in patients with colorectal cancer. <i>Oncology Letters</i> , <b>2021</b> , 21, 278	2.6	3
17	Pretreatment with cilnidipine attenuates hypoxia/reoxygenation injury in HL-1 cardiomyocytes through enhanced NO production and action potential shortening. <i>Hypertension Research</i> , <b>2020</b> , 43, 380-388	4.7	2
16	SK-216, a Novel Inhibitor of Plasminogen Activator Inhibitor-1, Suppresses Lung Metastasis of Human Osteosarcoma. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	2
15	Establishment of an antibody specific for AMIGO2 improves immunohistochemical evaluation of liver metastases and clinical outcomes in patients with colorectal cancer.. <i>Diagnostic Pathology</i> , <b>2022</b> , 17, 16	3	2
14	Splice variants of lysosome-associated membrane proteins 2A and 2B are involved in sunitinib resistance in human renal cell carcinoma cells. <i>Oncology Reports</i> , <b>2020</b> , 44, 1810-1820	3.5	2
13	Two-dimensional gel electrophoresis using immobilized pH gradient strips and Flamingo™ fluorescent gel stain identified non-nuclear proteins possibly related to malignant tumour progression. <i>Anticancer Research</i> , <b>2011</b> , 31, 1259-63	2.3	2
12	The improved effects of specific active immunotherapy on a rat fibrosarcoma by antitumor drugs. <i>Cancer Immunology, Immunotherapy</i> , <b>1991</b> , 33, 279-84	7.4	1
11	AMIGO2 contained in cancer cell-derived extracellular vesicles enhances the adhesion of liver endothelial cells to cancer cells.. <i>Scientific Reports</i> , <b>2022</b> , 12, 792	4.9	1
10	Prevention of tumor progression in inflammation-related carcinogenesis by anti-inflammatory and anti-mutagenic effects brought about by ingesting fermented brown rice and rice bran with <i>Aspergillus oryzae</i> (FBRA). <i>Journal of Functional Foods</i> , <b>2022</b> , 88, 104907	5.1	1
9	Tumor Progression Accelerated by Oxygen Species and Its Chemoprevention <b>1997</b> , 77-81		1
8	Cytolytic activity induced by intramuscular injection of plasmid DNA expressing the nucleocapsid protein of the JHM strain of mouse hepatitis virus into C57BL/6 mice. <i>Journal of Veterinary Medical Science</i> , <b>1996</b> , 58, 731-5	1.1	1
7	Proteomic analysis showed down-regulation of nucleophosmin in progressive tumor cells compared to regressive tumor cells. <i>Anticancer Research</i> , <b>2013</b> , 33, 153-60	2.3	1
6	The impact of AMIGO2 on prognosis and hepatic metastasis in gastric cancer patients.. <i>BMC Cancer</i> , <b>2022</b> , 22, 280	4.8	1
5	Inflammation as a Niche for Tumor Progression <b>2014</b> , 149-164		
4	The Influence of Aging and Cellular Senescence on Metastasis105-116		
3	miR-210 as a Biomarker in Renal Carcinoma <b>2015</b> , 1-16		
2	miR-210 as a Biomarker in Renal Carcinoma <b>2016</b> , 895-910		

- 1 Newly Invented Micellized Vitamin K2 Recovered Prolonged Prothrombin Time under Obstructive Jaundice in Rats with Bile Duct Ligation.. *Journal of Nutritional Science and Vitaminology*, **2021**, 67, 397-403<sup>1</sup>