

# Futoshi Okada

## List of Publications by Year in descending order

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110  
papers

4,013  
citations

87723

38  
h-index

128067

60  
g-index

115  
all docs

115  
docs citations

115  
times ranked

5809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental roles of reactive oxygen species and protective mechanisms in the female reproductive system. <i>Reproductive Biology and Endocrinology</i> , 2005, 3, 43.	1.4	218
2	<i>Peroxiredoxin 4</i> knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , 2009, 419, 149-158.	1.7	175
3	Infiltration of Neutrophils Is Required for Acquisition of Metastatic Phenotype of Benign Murine Fibrosarcoma Cells. <i>American Journal of Pathology</i> , 2003, 163, 2221-2232.	1.9	174
4	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> , 2003, 162, 1283-1291.	1.9	166
5	Elevated oxidative stress in erythrocytes due to a SOD1 deficiency causes anaemia and triggers autoantibody production. <i>Biochemical Journal</i> , 2007, 402, 219-227.	1.7	144
6	Thymosin- $\beta$ 4 Regulates Motility and Metastasis of Malignant Mouse Fibrosarcoma Cells. <i>American Journal of Pathology</i> , 2002, 160, 869-882.	1.9	120
7	Accelerated impairment of spermatogenic cells in <i>sod1</i> -knockout mice under heat stress. <i>Free Radical Research</i> , 2005, 39, 697-705.	1.5	116
8	Serum miR-210 as a potential biomarker of early clear cell renal cell carcinoma. <i>International Journal of Oncology</i> , 2014, 44, 53-58.	1.4	110
9	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> , 2007, 67, 3345-3355.	0.4	90
10	Inflammation-related carcinogenesis: current findings in epidemiological trends, causes and mechanisms. <i>Yonago Acta Medica</i> , 2014, 57, 65-72.	0.3	88
11	Exosomes and Their Role in Cancer Progression. <i>Yonago Acta Medica</i> , 2019, 62, 182-190.	0.3	85
12	Inhibition of Akt Kinase Activity by a Peptide Spanning the $\beta$ A Strand of the Proto-oncogene TCL1. <i>Journal of Biological Chemistry</i> , 2004, 279, 53407-53418.	1.6	84
13	siRNA gelsolin knockdown induces epithelial-mesenchymal transition with a cadherin switch in human mammary epithelial cells. <i>International Journal of Cancer</i> , 2006, 118, 1680-1691.	2.3	77
14	Adrenomedullin antagonist suppresses in vivo growth of human pancreatic cancer cells in SCID mice by suppressing angiogenesis. <i>Oncogene</i> , 2003, 22, 1238-1242.	2.6	74
15	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> , 2001, 93, 773-780.	2.3	72
16	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> , 2007, 313, 3337-3348.	1.2	72
17	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> , 2007, 121, 2364-2372.	2.3	69
18	<i>PAI-1</i> , a target gene of miR-143, regulates invasion and metastasis by upregulating <i>MMP-13</i> expression of human osteosarcoma. <i>Cancer Medicine</i> , 2016, 5, 892-902.	1.3	69

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19	Inflammation and free radicals in tumor development and progression. <i>Redox Report</i> , 2002, 7, 357-368.	1.4	68
20	Overexpression of homeobox gene <i>HOXD3</i> induces coordinate expression of metastasis-related genes in human lung cancer cells. <i>International Journal of Cancer</i> , 2001, 93, 516-525.	2.3	67
21	Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788.	1.6	65
22	Proteomic profiling for cancer progression: Differential display analysis for the expression of intracellular proteins between regressive and progressive cancer cell lines. <i>Proteomics</i> , 2005, 5, 1024-1032.	1.3	63
23	Nano-Scaled Particles of Titanium Dioxide Convert Benign Mouse Fibrosarcoma Cells into Aggressive Tumor Cells. <i>American Journal of Pathology</i> , 2009, 175, 2171-2183.	1.9	62
24	miR-19b regulates hTERT mRNA expression through targeting PITX1 mRNA in melanoma cells. <i>Scientific Reports</i> , 2015, 5, 8201.	1.6	60
25	MicroRNA-Based Diagnosis and Treatment of Metastatic Human Osteosarcoma. <i>Cancers</i> , 2019, 11, 553.	1.7	57
26	Conversion of Human Colonic Adenoma Cells to Adenocarcinoma Cells Through Inflammation in Nude Mice. <i>Laboratory Investigation</i> , 2000, 80, 1617-1628.	1.7	55
27	Changes in the tumorigenic and metastatic properties of tumor cells treated with quercetin or 5-azacytidine. <i>International Journal of Cancer</i> , 1987, 39, 338-342.	2.3	51
28	Increased E1AF expression in mouse fibrosarcoma promotes metastasis through induction of MT1-MMP expression. <i>Oncogene</i> , 1999, 18, 1771-1776.	2.6	51
29	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> , 2006, 169, 294-302.	1.9	49
30	Spontaneous skin damage and delayed wound healing in SOD1-deficient mice. <i>Molecular and Cellular Biochemistry</i> , 2010, 341, 181-194.	1.4	48
31	miRNA therapy targeting cancer stem cells: a new paradigm for cancer treatment and prevention of tumor recurrence. <i>Therapeutic Delivery</i> , 2015, 6, 323-337.	1.2	47
32	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> , 1988, 26, 250-6.	2.0	46
33	Hypoxia suppresses the production of matrix metalloproteinases and the migration of human monocyte-derived dendritic cells. <i>European Journal of Immunology</i> , 2005, 35, 3468-3477.	1.6	44
34	Specific inactivation of cysteine protease-type cathepsin by singlet oxygen generated from naphthalene endoperoxides. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 215-223.	1.0	43
35	Implication of oxidative stress as a cause of autoimmune hemolytic anemia in NZB mice. <i>Free Radical Biology and Medicine</i> , 2010, 48, 935-944.	1.3	42
36	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> , 1990, 31, 358-364.	2.0	39

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37	Deterioration of ischemia/reperfusion-induced acute renal failure in SOD1-deficient mice. <i>Free Radical Research</i> , 2007, 41, 200-207.	1.5	39
38	Loss of the cystine/glutamate antiporter in melanoma abrogates tumor metastasis and markedly increases survival rates of mice. <i>International Journal of Cancer</i> , 2020, 147, 3224-3235.	2.3	39
39	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> , 2000, 18, 45-50.	1.7	37
40	Rescue of anaemia and autoimmune responses in SOD1-deficient mice by transgenic expression of human SOD1 in erythrocytes. <i>Biochemical Journal</i> , 2009, 422, 313-320.	1.7	36
41	Host stromal versican is essential for cancer-associated fibroblast function to inhibit cancer growth. <i>International Journal of Cancer</i> , 2016, 138, 630-641.	2.3	36
42	Correlation between the Presence of Microvilli and the Growth or Metastatic Potential of Tumor Cells. <i>Japanese Journal of Cancer Research</i> , 1990, 81, 920-926.	1.7	35
43	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> , 2015, 7, 10237-10250.	1.7	33
44	Identification of MicroRNAs Involved in Resistance to Sunitinib in Renal Cell Carcinoma Cells. <i>Anticancer Research</i> , 2017, 37, 2985-2992.	0.5	33
45	Enhanced expression of cystine/glutamate transporter in the lung caused by the oxidative-stress-inducing agent paraquat. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2197-2203.	1.3	32
46	Inhibitor of apoptosis proteins (IAPs) may be effective therapeutic targets for treating endometriosis. <i>Human Reproduction</i> , 2015, 30, 149-158.	0.4	30
47	IL-7A-producing CD30 <sup>+</sup> V $\beta$ 1 T cells drive inflammation-induced cancer progression. <i>Cancer Science</i> , 2016, 107, 1206-1214.	1.7	28
48	Amigo2-upregulation in Tumour Cells Facilitates Their Attachment to Liver Endothelial Cells Resulting in Liver Metastases. <i>Scientific Reports</i> , 2017, 7, 43567.	1.6	28
49	Trichostatin A with adenovirus-mediated p53 gene transfer synergistically induces apoptosis in breast cancer cell line MDA-MB-231. <i>Oncology Reports</i> , 2009, 22, 143-8.	1.2	26
50	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> , 1992, 83, 483-490.	1.7	24
51	Chemopreventive Strategies for Inflammation-Related Carcinogenesis: Current Status and Future Direction. <i>International Journal of Molecular Sciences</i> , 2017, 18, 867.	1.8	23
52	Fascin regulates chronic inflammation-related human colon carcinogenesis by inhibiting cell anoikis. <i>Proteomics</i> , 2014, 14, 1031-1041.	1.3	21
53	PITX1 protein interacts with ZCCHC10 to regulate hTERT mRNA transcription. <i>PLoS ONE</i> , 2019, 14, e0217605.	1.1	21
54	A Possible Role of 92 kDa Type IV Collagenase in the Extramedullary Tumor Formation in Leukemia. <i>Japanese Journal of Cancer Research</i> , 1995, 86, 298-303.	1.7	20

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55	Aggravation of ischemiaâ€“reperfusion-triggered acute renal failure in xCT-deficient mice. Archives of Biochemistry and Biophysics, 2009, 490, 63-69.	1.4	20
56	Inhibitory Effect of a Traditional Chinese Medicine, Juzen-taiho-to, on Progressive Growth of Weakly Malignant Clone Cells Derived from Murine Fibrosarcoma. Japanese Journal of Cancer Research, 1996, 87, 1039-1044.	1.7	19
57	Involvement of reactive nitrogen oxides for acquisition of metastatic properties of benign tumors in a model of inflammation-based tumor progression. Nitric Oxide - Biology and Chemistry, 2006, 14, 122-129.	1.2	19
58	Establishment and characterization of human urothelial cancer xenografts in severe combined immunodeficient mice. International Journal of Urology, 2006, 13, 47-57.	0.5	19
59	Proteomic analysis indicates that overexpression and nuclear translocation of lactoylglutathione lyase (GLO1) is associated with tumor progression in murine fibrosarcoma. Electrophoresis, 2014, 35, 2195-2202.	1.3	19
60	Correlation of two distinct metastasis-associated proteins, MTA1 and S100A4, in angiogenesis for promoting tumor growth. Oncogene, 2019, 38, 4715-4728.	2.6	19
61	Suppression of in vivo tumorigenicity of rat hepatoma cell line KDH-8 cells by soluble TGF-Î² receptor type II. Cancer Immunology, Immunotherapy, 2002, 51, 381-388.	2.0	18
62	Polysaccharide K induces Mn superoxide dismutase (Mn-SOD) in tumor tissues and inhibits malignant progression of QR-32 tumor cells: possible roles of interferon Î±, tumor necrosis factor Î± and transforming growth factor Î² in Mn-SOD induction by polysaccharide K. Cancer Immunology, Immunotherapy, 1998, 46, 338-344.	2.0	17
63	Protoporphyrinogen oxidase is involved in the fluorescence intensity of 5-aminolevulinic acid-mediated laser-based photodynamic endoscopic diagnosis for early gastric cancer. Photodiagnosis and Photodynamic Therapy, 2018, 22, 79-85.	1.3	15
64	Chronic inflammation-derived nitric oxide causes conversion of human colonic adenoma cells into adenocarcinoma cells. Experimental Cell Research, 2013, 319, 2835-2844.	1.2	14
65	Inflammation-Related Carcinogenesis: Lessons from Animal Models to Clinical Aspects. Cancers, 2021, 13, 921.	1.7	14
66	PITX1 is a reliable biomarker for predicting prognosis in patients with oral epithelial dysplasia. Oncology Letters, 2014, 7, 750-754.	0.8	13
67	Circulating MicroRNAs in Drug Safety Assessment for Hepatic and Cardiovascular Toxicity: The Latest Biomarker Frontier?. Molecular Diagnosis and Therapy, 2014, 18, 121-126.	1.6	13
68	PITX1 is a novel predictor of the response to chemotherapy in head and neck squamous cell carcinoma. Molecular and Clinical Oncology, 2016, 5, 89-94.	0.4	13
69	Lysosome-associated membrane protein 2 (LAMP2) expression induced by miR-194-5p downregulation contributes to sunitinib resistance in human renal cell carcinoma cells. Oncology Letters, 2017, 15, 893-900.	0.8	13
70	Protective Effects of Topiroxostat on an Ischemia-Reperfusion Model of Rat Hearts. Circulation Journal, 2018, 82, 1101-1111.	0.7	13
71	Ozone augments interleukin-8 production induced by ambient particulate matter. Genes and Environment, 2018, 40, 14.	0.9	13
72	Progression of a Weakly Tumorigenic Mouse Fibrosarcoma at the Site of Early Phase of Inflammation Caused by Plastic Plates. Japanese Journal of Cancer Research, 1993, 84, 1230-1236.	1.7	12

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73	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> , 2010, 30, 2093-9.	0.5	12
74	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> , 1989, 226, 9-12.	1.2	11
75	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> , 2008, 319, 125-132.	1.4	11
76	Localization and characterization of $\hat{I}^3$ -glutamyl cyclotransferase in cancer cells. <i>Molecular Medicine Reports</i> , 2009, 2, 385-91.	1.1	11
77	Prognostic significance of sirtuin 2 protein nuclear localization in glioma: An immunohistochemical study. <i>Oncology Reports</i> , 2012, 28, 923-930.	1.2	11
78	The circadian rhythm of bladder clock genes in the spontaneously hypersensitive rat. <i>PLoS ONE</i> , 2019, 14, e0220381.	1.1	11
79	Synthesis and biological evaluation of glucose conjugated phthalocyanine as a second-generation photosensitizer. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3279-3284.	1.4	11
80	In vivo anti- and pro-tumour activities of the TLR2 ligand FSL-1. <i>Immunobiology</i> , 2011, 216, 891-900.	0.8	10
81	TNP-470 Suppresses the Tumorigenicity of HT1080 Fibrosarcoma Tumor Through the Inhibition of VEGF Secretion From the Tumor Cells. <i>Sarcoma</i> , 2001, 5, 197-202.	0.7	9
82	Molecular Mechanisms of Inflammation-Induced Carcinogenesis. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2006, 39, 103-113.	0.6	9
83	Development of a quantitative bioassay to assess preventive compounds against inflammation-based carcinogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 183-194.	1.2	9
84	AMIGO2 as a novel indicator of liver metastasis in patients with colorectal cancer. <i>Oncology Letters</i> , 2021, 21, 278.	0.8	9
85	Expression of AIE-75 PDZ-domain protein induces G2/M cell cycle arrest in human colorectal adenocarcinoma SW480 cells. <i>Cancer Letters</i> , 2004, 211, 209-218.	3.2	8
86	Fascin protein stabilization by miR-146a implicated in the process of a chronic inflammation-related colon carcinogenesis model. <i>Inflammation Research</i> , 2018, 67, 839-846.	1.6	8
87	AMIGO2 contained in cancer cell-derived extracellular vesicles enhances the adhesion of liver endothelial cells to cancer cells. <i>Scientific Reports</i> , 2022, 12, 792.	1.6	8
88	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> , 1988, 79, 1147-1154.	1.7	7
89	Single treatment with cisplatin or UFT, but not their combination treatment enhances the metastatic capacity of mouse fibrosarcoma cells. <i>Anti-Cancer Drugs</i> , 1999, 10, 235-244.	0.7	7
90	Design, synthesis, and biological evaluation of a highly water-soluble psoralen-based photosensitizer. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2372-2377.	1.4	7

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91	SK-216, a Novel Inhibitor of Plasminogen Activator Inhibitor-1, Suppresses Lung Metastasis of Human Osteosarcoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 736.	1.8	7
92	High-intensity focused ultrasound induced apoptosis with caspase-3, 8, and 9/6 activation in rat hepatoma. <i>Journal of Medical Ultrasonics</i> (2001), 2009, 36, 177-185.	0.6	6
93	The SOD1 transgene expressed in erythroid cells alleviates fatal phenotype in congenic NZB/NZW-F1 mice. <i>Free Radical Research</i> , 2016, 50, 793-800.	1.5	6
94	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> , 2020, 44, 1810-1820.	1.2	5
95	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> , 2022, 17, 16.	0.9	5
96	The impact of AMIGO2 on prognosis and hepatic metastasis in gastric cancer patients. <i>BMC Cancer</i> , 2022, 22, 280.	1.1	5
97	Pretreatment with cilnidipine attenuates hypoxia/reoxygenation injury in HL-1 cardiomyocytes through enhanced NO production and action potential shortening. <i>Hypertension Research</i> , 2020, 43, 380-388.	1.5	4
98	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> , 2022, 88, 104907.	1.6	3
99	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> , 2011, 31, 1259-63.	0.5	3
100	Liver Metastasis Formation Is Defined by AMIGO2 Expression via Adhesion to Hepatic Endothelial Cells in Human Gastric and Colorectal Cancer Cells. <i>Pathology Research and Practice</i> , 2022, 237, 154015.	1.0	3
101	Tumor Progression Accelerated by Oxygen Species and Its Chemoprevention. , 1997, , 77-81.		2
102	MTA1, a metastasis-associated protein, in endothelial cells is an essential molecule for angiogenesis. <i>Molecular Medicine Reports</i> , 2021, 25, .	1.1	2
103	The improved effects of specific active immunotherapy on a rat fibrosarcoma by antitumor drugs. <i>Cancer Immunology, Immunotherapy</i> , 1991, 33, 279-284.	2.0	1
104	The Influence of Aging and Cellular Senescence on Metastasis. , 0, , 105-116.		1
105	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> , 1996, 58, 731-735.	0.3	1
106	Proteomic analysis showed down-regulation of nucleophosmin in progressive tumor cells compared to regressive tumor cells. <i>Anticancer Research</i> , 2013, 33, 153-60.	0.5	1
107	Kidney organoid derived from renal tissue stem cells is a useful tool for histopathological assessment of nephrotoxicity in a cisplatin-induced acute renal tubular injury model. <i>Journal of Toxicologic Pathology</i> , 2022, , .	0.3	1
108	miR-210 as a Biomarker in Renal Carcinoma. , 2015, , 1-16.		0

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109	miR-210 as a Biomarker in Renal Carcinoma. , 2016, , 895-910.		0
110	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.	0.2	0