

Masanobu Oshima

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126
papers

14,328
citations

54
h-index

119
g-index

132
ext. papers

15,747
ext. citations

9.7
avg, IF

5.96
L-index

#	Paper	IF	Citations
126	Suppression of intestinal polyposis in Apc delta716 knockout mice by inhibition of cyclooxygenase 2 (COX-2). <i>Cell</i> , 1996 , 87, 803-9	56.2	2046
125	Intestinal polyposis in mice with a dominant stable mutation of the beta-catenin gene. <i>EMBO Journal</i> , 1999 , 18, 5931-42	13	946
124	CD44 variant regulates redox status in cancer cells by stabilizing the xCT subunit of system xc(-) and thereby promotes tumor growth. <i>Cancer Cell</i> , 2011 , 19, 387-400	24.3	796
123	Blocking TNF-alpha in mice reduces colorectal carcinogenesis associated with chronic colitis. <i>Journal of Clinical Investigation</i> , 2008 , 118, 560-70	15.9	610
122	TGF-beta receptor type II deficiency results in defects of yolk sac hematopoiesis and vasculogenesis. <i>Developmental Biology</i> , 1996 , 179, 297-302	3.1	574
121	Acceleration of intestinal polyposis through prostaglandin receptor EP2 in Apc(Delta 716) knockout mice. <i>Nature Medicine</i> , 2001 , 7, 1048-51	50.5	511
120	Intestinal tumorigenesis in compound mutant mice of both Dpc4 (Smad4) and Apc genes. <i>Cell</i> , 1998 , 92, 645-56	56.2	507
119	Loss of Apc heterozygosity and abnormal tissue building in nascent intestinal polyps in mice carrying a truncated Apc gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 4482-6	11.5	470
118	Early embryonic lethality caused by targeted disruption of the mouse thioredoxin gene. <i>Developmental Biology</i> , 1996 , 178, 179-85	3.1	432
117	Early embryonic lethality caused by targeted disruption of the mouse selenocysteine tRNA gene (Trsp). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 5531-4	11.5	258
116	ROCK-I regulates closure of the eyelids and ventral body wall by inducing assembly of actomyosin bundles. <i>Journal of Cell Biology</i> , 2005 , 168, 941-53	7.3	257
115	Activated macrophages promote Wnt signalling through tumour necrosis factor-alpha in gastric tumour cells. <i>EMBO Journal</i> , 2008 , 27, 1671-81	13	230
114	Pivotal role of CXCR3 in melanoma cell metastasis to lymph nodes. <i>Cancer Research</i> , 2004 , 64, 4010-7	10.1	223
113	SMAD4-deficient intestinal tumors recruit CCR1+ myeloid cells that promote invasion. <i>Nature Genetics</i> , 2007 , 39, 467-75	36.3	221
112	Targeted disruption of the mouse rho-associated kinase 2 gene results in intrauterine growth retardation and fetal death. <i>Molecular and Cellular Biology</i> , 2003 , 23, 5043-55	4.8	216
111	Cyclooxygenase 2- and prostaglandin E(2) receptor EP(2)-dependent angiogenesis in Apc(Delta716) mouse intestinal polyps. <i>Cancer Research</i> , 2002 , 62, 506-11	10.1	214
110	Hyperplastic gastric tumors induced by activated macrophages in COX-2/mPGES-1 transgenic mice. <i>EMBO Journal</i> , 2004 , 23, 1669-78	13	203

109	Colonic polyposis caused by mTOR-mediated chromosomal instability in Apc+/Delta716 Cdx2+/- compound mutant mice. <i>Nature Genetics</i> , 2003 , 35, 323-30	36.3	199
108	Gut Microbiota Promotes Obesity-Associated Liver Cancer through PGE-Mediated Suppression of Antitumor Immunity. <i>Cancer Discovery</i> , 2017 , 7, 522-538	24.4	198
107	STAT3-driven upregulation of TLR2 promotes gastric tumorigenesis independent of tumor inflammation. <i>Cancer Cell</i> , 2012 , 22, 466-78	24.3	196
106	Optimization of the helper-dependent adenovirus system for production and potency in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 1002-7	11.5	181
105	Chemokine receptor CXCR3 promotes colon cancer metastasis to lymph nodes. <i>Oncogene</i> , 2007 , 26, 4679-88	17.6	
104	Carcinogenesis in mouse stomach by simultaneous activation of the Wnt signaling and prostaglandin E2 pathway. <i>Gastroenterology</i> , 2006 , 131, 1086-95	13.3	170
103	Suppression of colon cancer metastasis by Aes through inhibition of Notch signaling. <i>Cancer Cell</i> , 2011 , 19, 125-37	24.3	167
102	Hepatocarcinogenesis in mice with beta-catenin and Ha-ras gene mutations. <i>Cancer Research</i> , 2004 , 64, 48-54	10.1	154
101	Gastric and duodenal polyps in Smad4 (Dpc4) knockout mice. <i>Cancer Research</i> , 1999 , 59, 6113-7	10.1	144
100	Stromal fibroblasts activated by tumor cells promote angiogenesis in mouse gastric cancer. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19864-71	5.4	138
99	Gastrointestinal hamartomatous polyposis in Lkb1 heterozygous knockout mice. <i>Cancer Research</i> , 2002 , 62, 2261-6	10.1	133
98	Inflammation in gastric cancer: Interplay of the COX-2/prostaglandin E2 and Toll-like receptor/MyD88 pathways. <i>Cancer Science</i> , 2016 , 107, 391-7	6.9	129
97	Lack of tumorigenesis in the mouse liver after adenovirus-mediated expression of a dominant stable mutant of beta-catenin. <i>Cancer Research</i> , 2002 , 62, 1971-7	10.1	122
96	MicroRNA-29c mediates initiation of gastric carcinogenesis by directly targeting ITGB1. <i>Gut</i> , 2015 , 64, 203-14	19.2	116
95	CD44+ slow-cycling tumor cell expansion is triggered by cooperative actions of Wnt and prostaglandin E2 in gastric tumorigenesis. <i>Cancer Science</i> , 2010 , 101, 673-8	6.9	116
94	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolic changes. <i>Nature Cell Biology</i> , 2017 , 19, 530-541	23.4	112
93	Inflammation-induced repression of tumor suppressor miR-7 in gastric tumor cells. <i>Oncogene</i> , 2012 , 31, 3949-60	9.2	97
92	Prostaglandin E2 signaling and bacterial infection recruit tumor-promoting macrophages to mouse gastric tumors. <i>Gastroenterology</i> , 2011 , 140, 596-607.e7	13.3	90

91	Hepatocellular carcinoma caused by loss of heterozygosity in Lkb1 gene knockout mice. <i>Cancer Research</i> , 2002 , 62, 4549-53	10.1	90
90	TNF- α /TNFR1 signaling promotes gastric tumorigenesis through induction of Noxo1 and Gna14 in tumor cells. <i>Oncogene</i> , 2014 , 33, 3820-9	9.2	89
89	Mutant p53 in colon cancer. <i>Journal of Molecular Cell Biology</i> , 2019 , 11, 267-276	6.3	82
88	The inflammatory network in the gastrointestinal tumor microenvironment: lessons from mouse models. <i>Journal of Gastroenterology</i> , 2012 , 47, 97-106	6.9	81
87	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17163-8	11.5	75
86	Cyclooxygenase-2 expression in fibroblasts and endothelial cells of intestinal polyps. <i>Cancer Research</i> , 2002 , 62, 6846-9	10.1	71
85	The interleukin-6 family cytokine interleukin-11 regulates homeostatic epithelial cell turnover and promotes gastric tumor development. <i>Gastroenterology</i> , 2009 , 136, 967-77	13.3	70
84	COX selectivity and animal models for colon cancer. <i>Current Pharmaceutical Design</i> , 2002 , 8, 1021-34	3.3	69
83	Chromosomal instability by beta-catenin/TCF transcription in APC or beta-catenin mutant cells. <i>Oncogene</i> , 2007 , 26, 3511-20	9.2	67
82	Cooperation of cyclooxygenase 1 and cyclooxygenase 2 in intestinal polyposis. <i>Cancer Research</i> , 2003 , 63, 4872-7	10.1	67
81	Functional role of CD44v-xCT system in the development of spasmolytic polypeptide-expressing metaplasia. <i>Cancer Science</i> , 2013 , 104, 1323-9	6.9	62
80	HMGA1 is induced by Wnt/beta-catenin pathway and maintains cell proliferation in gastric cancer. <i>American Journal of Pathology</i> , 2009 , 175, 1675-85	5.8	61
79	Nuclear translocation of beta-catenin in hereditary and carcinogen-induced intestinal adenomas. <i>Carcinogenesis</i> , 1998 , 19, 543-9	4.6	61
78	Claudin-4 deficiency results in urothelial hyperplasia and lethal hydronephrosis. <i>PLoS ONE</i> , 2012 , 7, e52237	3.7	57
77	Effects of docosahexaenoic acid (DHA) on intestinal polyp development in Apc delta 716 knockout mice. <i>Carcinogenesis</i> , 1995 , 16, 2605-7	4.6	57
76	Suppressing TGF β signaling in regenerating epithelia in an inflammatory microenvironment is sufficient to cause invasive intestinal cancer. <i>Cancer Research</i> , 2015 , 75, 766-76	10.1	56
75	CRISPR-Cas9-mediated gene knockout in intestinal tumor organoids provides functional validation for colorectal cancer driver genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15635-15644	11.5	55
74	Hyperplastic gastric tumors with spasmolytic polypeptide-expressing metaplasia caused by tumor necrosis factor-alpha-dependent inflammation in cyclooxygenase-2/microsomal prostaglandin E synthase-1 transgenic mice. <i>Cancer Research</i> , 2005 , 65, 9147-51	10.1	55

73	Induction and down-regulation of Sox17 and its possible roles during the course of gastrointestinal tumorigenesis. <i>Gastroenterology</i> , 2009 , 137, 1346-57	13.3	54
72	Combined Mutation of , and Effectively Drives Metastasis of Intestinal Cancer. <i>Cancer Research</i> , 2018 , 78, 1334-1346	10.1	53
71	Activation of epidermal growth factor receptor signaling by the prostaglandin E(2) receptor EP4 pathway during gastric tumorigenesis. <i>Cancer Science</i> , 2011 , 102, 713-9	6.9	48
70	Activation of Bmp2-Smad1 signal and its regulation by coordinated alteration of H3K27 trimethylation in Ras-induced senescence. <i>PLoS Genetics</i> , 2011 , 7, e1002359	6	48
69	Estrogen-related receptor gamma functions as a tumor suppressor in gastric cancer. <i>Nature Communications</i> , 2018 , 9, 1920	17.4	48
68	Requirement for tumor suppressor Apc in the morphogenesis of anterior and ventral mouse embryo. <i>Developmental Biology</i> , 2003 , 253, 230-46	3.1	46
67	Cox-2 deletion in myeloid and endothelial cells, but not in epithelial cells, exacerbates murine colitis. <i>Carcinogenesis</i> , 2011 , 32, 417-26	4.6	42
66	Suppression of intestinal polyp development by low-fat and high-fiber diet in Apc(delta716) knockout mice. <i>Carcinogenesis</i> , 1997 , 18, 1863-5	4.6	42
65	Suppression of tubulin polymerization by the LKB1-microtubule-associated protein/microtubule affinity-regulating kinase signaling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 23532-40	5.4	42
64	Identification of a TLR2-regulated gene signature associated with tumor cell growth in gastric cancer. <i>Oncogene</i> , 2017 , 36, 5134-5144	9.2	41
63	Prostaglandin E2, Wnt, and BMP in gastric tumor mouse models. <i>Cancer Science</i> , 2009 , 100, 1779-85	6.9	41
62	Dipeptide species regulate p38MAPK-Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. <i>Nature Communications</i> , 2015 , 6, 8039	17.4	40
61	The threshold level of adenomatous polyposis coli protein for mouse intestinal tumorigenesis. <i>Cancer Research</i> , 2005 , 65, 8622-7	10.1	40
60	Inflammasome Adaptor ASC Suppresses Apoptosis of Gastric Cancer Cells by an IL18-Mediated Inflammation-Independent Mechanism. <i>Cancer Research</i> , 2018 , 78, 1293-1307	10.1	39
59	Destruction of pancreatic beta-cells by transgenic induction of prostaglandin E2 in the islets. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29330-6	5.4	39
58	A targeted mutation of Nkd1 impairs mouse spermatogenesis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 2831-9	5.4	37
57	18β-glycyrrhetic acid suppresses gastric cancer by activation of miR-149-3p-Wnt-1 signaling. <i>Oncotarget</i> , 2016 , 7, 71960-71973	3.3	37
56	Intestinal cancer progression by mutant p53 through the acquisition of invasiveness associated with complex glandular formation. <i>Oncogene</i> , 2017 , 36, 5885-5896	9.2	36

55	Inflammation, tumor necrosis factor and Wnt promotion in gastric cancer development. <i>Future Oncology</i> , 2010 , 6, 515-26	3.6	33
54	NF-B-induced NOX1 activation promotes gastric tumorigenesis through the expansion of SOX2-positive epithelial cells. <i>Oncogene</i> , 2019 , 38, 4250-4263	9.2	32
53	Hepatocellular carcinoma development induced by conditional beta-catenin activation in Lkb1+/- mice. <i>Cancer Science</i> , 2009 , 100, 2046-53	6.9	32
52	The role of PGE2-associated inflammatory responses in gastric cancer development. <i>Seminars in Immunopathology</i> , 2013 , 35, 139-50	12	31
51	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 1459-1472	12.9	29
50	Impact of inflammation-metaplasia-adenocarcinoma sequence and inflammatory microenvironment in esophageal carcinogenesis using surgical rat models. <i>Annals of Surgical Oncology</i> , 2014 , 21, 2012-9	3.1	29
49	Accelerated onsets of gastric hamartomas and hepatic adenomas/carcinomas in Lkb1+/-p53-/- compound mutant mice. <i>Oncogene</i> , 2006 , 25, 1816-20	9.2	29
48	Impaired extrapyramidal function caused by the targeted disruption of retinoid X receptor RXRgamma1 isoform. <i>Genes To Cells</i> , 1999 , 4, 219-28	2.3	29
47	Matrix metalloproteinase 7 is required for tumor formation, but dispensable for invasion and fibrosis in SMAD4-deficient intestinal adenocarcinomas. <i>Laboratory Investigation</i> , 2009 , 89, 98-105	5.9	28
46	Roles of cyclooxygenase-2 and microsomal prostaglandin E synthase-1 expression and beta-catenin activation in gastric carcinogenesis in N-methyl-N-nitrosourea-treated K19-C2mE transgenic mice. <i>Cancer Science</i> , 2008 , 99, 2356-64	6.9	28
45	Interleukin 1 Up-regulates MicroRNA 135b to Promote Inflammation-Associated Gastric Carcinogenesis in Mice. <i>Gastroenterology</i> , 2019 , 156, 1140-1155.e4	13.3	28
44	Context-dependent activation of Wnt signaling by tumor suppressor RUNX3 in gastric cancer cells. <i>Cancer Science</i> , 2014 , 105, 418-24	6.9	27
43	Stemness Is Enhanced in Gastric Cancer by a SET/PP2A/E2F1 Axis. <i>Molecular Cancer Research</i> , 2018 , 16, 554-563	6.6	26
42	Simultaneous expression of COX-2 and mPGES-1 in mouse gastrointestinal hamartomas. <i>British Journal of Cancer</i> , 2004 , 90, 701-4	8.7	26
41	Mouse gastric tumor models with prostaglandin E2 pathway activation show similar gene expression profiles to intestinal-type human gastric cancer. <i>BMC Genomics</i> , 2009 , 10, 615	4.5	25
40	Myeloid Differentiation Factor 88 Signaling in Bone Marrow-Derived Cells Promotes Gastric Tumorigenesis by Generation of Inflammatory Microenvironment. <i>Cancer Prevention Research</i> , 2016 , 9, 253-63	3.2	24
39	The unfolded protein response is activated in Helicobacter-induced gastric carcinogenesis in a non-cell autonomous manner. <i>Laboratory Investigation</i> , 2013 , 93, 112-22	5.9	24
38	Induction of prostaglandin E2 pathway promotes gastric hamartoma development with suppression of bone morphogenetic protein signaling. <i>Cancer Research</i> , 2009 , 69, 2729-33	10.1	24

37	Canolol inhibits gastric tumors initiation and progression through COX-2/PGE2 pathway in K19-C2mE transgenic mice. <i>PLoS ONE</i> , 2015 , 10, e0120938	3.7	24
36	Hyperactive gp130/STAT3-driven gastric tumorigenesis promotes submucosal tertiary lymphoid structure development. <i>International Journal of Cancer</i> , 2018 , 143, 167-178	7.5	23
35	A novel role for OATP2A1/SLCO2A1 in a murine model of colon cancer. <i>Scientific Reports</i> , 2017 , 7, 165674.9	4.9	23
34	Platelet-type 12-lipoxygenase accelerates tumor promotion of mouse epidermal cells through enhancement of cloning efficiency. <i>Carcinogenesis</i> , 2008 , 29, 440-7	4.6	23
33	The inflammatory microenvironment that promotes gastrointestinal cancer development and invasion. <i>Advances in Biological Regulation</i> , 2018 , 68, 39-45	6.2	22
32	Mouse models of gastric tumors: Wnt activation and PGE2 induction. <i>Pathology International</i> , 2010 , 60, 599-607	1.8	21
31	Novel oral transforming growth factor-β signaling inhibitor EW-7197 eradicates CML-initiating cells. <i>Cancer Science</i> , 2016 , 107, 140-8	6.9	20
30	Adenomatous polyposis coli heterozygous knockout mice display hypoactivity and age-dependent working memory deficits. <i>Frontiers in Behavioral Neuroscience</i> , 2011 , 5, 85	3.5	19
29	Hypergravity induces expression of cyclooxygenase-2 in the heart vessels. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 330, 928-33	3.4	19
28	Inhibition of Eatenin and STAT3 with a curcumin analog suppresses gastric carcinogenesis in vivo. <i>Gastric Cancer</i> , 2015 , 18, 774-83	7.6	18
27	Estrogen-induced tumorigenesis in the pituitary gland of TGF-beta(+/-) knockout mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1998 , 1407, 79-83	6.9	18
26	Development of spontaneous tumours and intestinal lesions in Fhit gene knockout mice. <i>British Journal of Cancer</i> , 2004 , 91, 1571-4	8.7	18
25	NOTUM is a potential pharmacodynamic biomarker of Wnt pathway inhibition. <i>Oncotarget</i> , 2016 , 7, 123863.92	9.2	17
24	Loss of wild-type p53 promotes mutant p53-driven metastasis through acquisition of survival and tumor-initiating properties. <i>Nature Communications</i> , 2020 , 11, 2333	17.4	16
23	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. <i>Cell Stem Cell</i> , 2018 , 22, 713-725.e8	18	16
22	Functional loss of p53 cooperates with the in vivo microenvironment to promote malignant progression of gastric cancers. <i>Scientific Reports</i> , 2018 , 8, 2291	4.9	16
21	Effects of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine on intestinal polyp development in Apc delta 716 knockout mice. <i>Molecular Carcinogenesis</i> , 1996 , 15, 11-7	5	15
20	Requisite role of vasohibin-2 in spontaneous gastric cancer formation and accumulation of cancer-associated fibroblasts. <i>Cancer Science</i> , 2017 , 108, 2342-2351	6.9	13

19	Ink4a/Arf-Dependent Loss of Parietal Cells Induced by Oxidative Stress Promotes CD44-Dependent Gastric Tumorigenesis. <i>Cancer Prevention Research</i> , 2015 , 8, 492-501	3.2	11
18	Requirement of SLD5 for early embryogenesis. <i>PLoS ONE</i> , 2013 , 8, e78961	3.7	11
17	Nardilysin regulates inflammation, metaplasia, and tumors in murine stomach. <i>Scientific Reports</i> , 2017 , 7, 43052	4.9	10
16	Inflammatory and mitogenic signals drive interleukin 23 subunit alpha (IL23A) secretion independent of IL12B in intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 2020 , 295, 6387-6400	5.4	9
15	Interleukin-11-expressing fibroblasts have a unique gene signature correlated with poor prognosis of colorectal cancer. <i>Nature Communications</i> , 2021 , 12, 2281	17.4	9
14	Malignant subclone drives metastasis of genetically and phenotypically heterogeneous cell clusters through fibrotic niche generation. <i>Nature Communications</i> , 2021 , 12, 863	17.4	8
13	Dietary intake of pyrolyzed deketene curcumin inhibits gastric carcinogenesis. <i>Journal of Functional Foods</i> , 2018 , 50, 192-200	5.1	8
12	Therapeutic activity of glycoengineered anti-GM2 antibodies against malignant pleural mesothelioma. <i>Cancer Science</i> , 2015 , 106, 102-7	6.9	7
11	Increased level of serum vascular endothelial growth factor by long-term exposure to hypergravity. <i>Experimental Animals</i> , 2007 , 56, 309-13	1.8	7
10	A genome-scale CRISPR screen reveals factors regulating Wnt-dependent renewal of mouse gastric epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
9	Autophagy regulates levels of tumor suppressor enzyme protein phosphatase 6. <i>Cancer Science</i> , 2020 , 111, 4371-4380	6.9	6
8	FOXO3 is a latent tumor suppressor for FOXO3-positive and cytoplasmic-type gastric cancer cells. <i>Oncogene</i> , 2021 , 40, 3072-3086	9.2	6
7	Chronic liver disease enables gut <i>Enterococcus faecalis</i> colonization to promote liver carcinogenesis.. <i>Nature Cancer</i> , 2021 , 2, 1039-1054	15.4	6
6	Nano-scale physical properties characteristic to metastatic intestinal cancer cells identified by high-speed scanning ion conductance microscope. <i>Biomaterials</i> , 2021 , 121256	15.6	5
5	Morphologic and molecular analysis of estrogen-induced pituitary tumorigenesis in targeted disruption of transforming growth factor-beta receptor type II and/or p27 mice. <i>Endocrine</i> , 2001 , 16, 55-65		4
4	Stat3 is indispensable for damage-induced crypt regeneration but not for Wnt-driven intestinal tumorigenesis. <i>FASEB Journal</i> , 2019 , 33, 1873-1886	0.9	4
3	Pericentromeric noncoding RNA changes DNA binding of CTCF and inflammatory gene expression in senescence and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
2	Genetic Alterations and Microenvironment that Drive Malignant Progression of Colorectal Cancer: Lessons from Mouse and Organoid Models.. <i>Journal of Cancer Prevention</i> , 2022 , 27, 1-6	3	0

- 1 Laser Microdissection of Cellular Compartments for Expression Analyses in Cancer Models. *Methods in Molecular Biology*, **2018**, 1725, 143-153 1.4