Masanobu Oshima

List of Publications by Year
in descending order

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129	17,064	24978 57	14156 128
papers	citations	h-index	g-index

132	132	132	19793
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Suppression of Intestinal Polyposis in Apcî”716 Knockout Mice by Inhibition of Cyclooxygenase 2 (COX-2). Cell, 1996, 87, 803-809.	13.5	2,230
2	Intestinal polyposis in mice with a dominant stable mutation of the beta -catenin gene. EMBO Journal, 1999, 18, 5931-5942.	3.5	1,074
3	CD44 Variant Regulates Redox Status in Cancer Cells by Stabilizing the xCT Subunit of System xcâ^' and Thereby Promotes Tumor Growth. Cancer Cell, 2011, 19, 387-400.	7.7	1,020
4	Blocking TNF-Î± in mice reduces colorectal carcinogenesis associated with chronic colitis. Journal of Clinical Investigation, 2008, 118, 560-70.	3.9	706
5	TGF-Î² Receptor Type II Deficiency Results in Defects of Yolk Sac Hematopoiesis and Vasculogenesis. Developmental Biology, 1996, 179, 297-302.	0.9	614
6	Intestinal Tumorigenesis in Compound Mutant Mice of both Dpc4(Smad4) and Apc Genes. Cell, 1998, 92, 645-656.	13.5	565
7	Acceleration of intestinal polyposis through prostaglandin receptor EP2 in Apcî”716 knockout mice. Nature Medicine, 2001, 7, 1048-1051.	15.2	562
8	Loss of Apc heterozygosity and abnormal tissue building in nascent intestinal polyps in mice carrying a truncated Apc gene.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 4482-4486.	3.3	513
9	Early Embryonic Lethality Caused by Targeted Disruption of the Mouse Thioredoxin Gene. Developmental Biology, 1996, 178, 179-185.	0.9	480
10	Gut Microbiota Promotes Obesity-Associated Liver Cancer through PGE2-Mediated Suppression of Antitumor Immunity. Cancer Discovery, 2017, 7, 522-538.	7.7	321
11	Early embryonic lethality caused by targeted disruption of the mouse selenocysteine tRNA gene (Trsp). Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5531-5534.	3.3	301
12	ROCK-I regulates closure of the eyelids and ventral body wall by inducing assembly of actomyosin bundles. Journal of Cell Biology, 2005, 168, 941-953.	2.3	289
13	SMAD4-deficient intestinal tumors recruit CCR1+ myeloid cells that promote invasion. Nature Genetics, 2007, 39, 467-475.	9.4	258
14	Pivotal Role of CXCR3 in Melanoma Cell Metastasis to Lymph Nodes. Cancer Research, 2004, 64, 4010-4017.	0.4	254
15	Activated macrophages promote Wnt signalling through tumour necrosis factor-Î± in gastric tumour cells. EMBO Journal, 2008, 27, 1671-1681.	3.5	252
16	Cyclooxygenase 2- and prostaglandin E(2) receptor EP(2)-dependent angiogenesis in Apc(Delta716) mouse intestinal polyps. Cancer Research, 2002, 62, 506-11.	0.4	249
17	Targeted Disruption of the Mouse Rho-Associated Kinase 2 Gene Results in Intrauterine Growth Retardation and Fetal Death. Molecular and Cellular Biology, 2003, 23, 5043-5055.	1.1	245
18	STAT3-Driven Upregulation of TLR2 Promotes Gastric Tumorigenesis Independent of Tumor Inflammation. Cancer Cell, 2012, 22, 466-478.	7.7	245

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19	Colonic polyposis caused by mTOR-mediated chromosomal instability in Apc+/Î”716 Cdx2+/â^' compound mutant mice. Nature Genetics, 2003, 35, 323-330.	9.4	224
20	Hyperplastic gastric tumors induced by activated macrophages in COX-2/mPGES-1 transgenic mice. EMBO Journal, 2004, 23, 1669-1678.	3.5	218
21	Chemokine receptor CXCR3 promotes colon cancer metastasis to lymph nodes. Oncogene, 2007, 26, 4679-4688.	2.6	213
22	Carcinogenesis in Mouse Stomach by Simultaneous Activation of the Wnt Signaling and Prostaglandin E2 Pathway. Gastroenterology, 2006, 131, 1086-1095.	0.6	199
23	Optimization of the helper-dependent adenovirus system for production and potency in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1002-1007.	3.3	193
24	Suppression of Colon Cancer Metastasis by Aes through Inhibition of Notch Signaling. Cancer Cell, 2011, 19, 125-137.	7.7	183
25	Inflammation in gastric cancer: Interplay of the COXâ€2/prostaglandin E₂ and Tollâ€like receptor/MyD88 pathways. Cancer Science, 2016, 107, 391-397.	1.7	180
26	Hepatocarcinogenesis in Mice with Î²-Catenin and Ha-Ras Gene Mutations. Cancer Research, 2004, 64, 48-54.	0.4	179
27	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolicÂchanges. Nature Cell Biology, 2017, 19, 530-541.	4.6	172
28	Mutant p53 in colon cancer. Journal of Molecular Cell Biology, 2019, 11, 267-276.	1.5	170
29	Gastric and duodenal polyps in Smad4 (Dpc4) knockout mice. Cancer Research, 1999, 59, 6113-7.	0.4	160
30	Gastrointestinal hamartomatous polyposis in Lkb1 heterozygous knockout mice. Cancer Research, 2002, 62, 2261-6.	0.4	154
31	Stromal Fibroblasts Activated by Tumor Cells Promote Angiogenesis in Mouse Gastric Cancer. Journal of Biological Chemistry, 2008, 283, 19864-19871.	1.6	149
32	Lack of tumorigenesis in the mouse liver after adenovirus-mediated expression of a dominant stable mutant of beta-catenin. Cancer Research, 2002, 62, 1971-7.	0.4	137
33	MicroRNA-29c mediates initiation of gastric carcinogenesis by directly targeting ITGB1. Gut, 2015, 64, 203-214.	6.1	133
34	CD44⁺ slowâ€cycling tumor cell expansion is triggered by cooperative actions of Wnt and prostaglandin E₂ in gastric tumorigenesis. Cancer Science, 2010, 101, 673-678.	1.7	130
35	TNF-Î±/TNFR1 signaling promotes gastric tumorigenesis through induction of Noxo1 and Gna14 in tumor cells. Oncogene, 2014, 33, 3820-3829.	2.6	123
36	Prostaglandin E2 Signaling and Bacterial Infection Recruit Tumor-Promoting Macrophages to Mouse Gastric Tumors. Gastroenterology, 2011, 140, 596-607.e7.	0.6	107

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37	Inflammation-induced repression of tumor suppressor miR-7 in gastric tumor cells. Oncogene, 2012, 31, 3949-3960.	2.6	107
38	Combined Mutation of Apc, Kras, and Tgfbr2 Effectively Drives Metastasis of Intestinal Cancer. Cancer Research, 2018, 78, 1334-1346.	0.4	106
39	Hepatocellular carcinoma caused by loss of heterozygosity in Lkb1 gene knockout mice. Cancer Research, 2002, 62, 4549-53.	0.4	104
40	CRISPR-Cas9â€“mediated gene knockout in intestinal tumor organoids provides functional validation for colorectal cancer driver genes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15635-15644.	3.3	100
41	The inflammatory network in the gastrointestinal tumor microenvironment: lessons from mouse models. Journal of Gastroenterology, 2012, 47, 97-106.	2.3	93
42	Estrogen-related receptor gamma functions as a tumor suppressor in gastric cancer. Nature Communications, 2018, 9, 1920.	5.8	85
43	Cyclooxygenase-2 expression in fibroblasts and endothelial cells of intestinal polyps. Cancer Research, 2002, 62, 6846-9.	0.4	85
44	Cooperation of cyclooxygenase 1 and cyclooxygenase 2 in intestinal polyposis. Cancer Research, 2003, 63, 4872-7.	0.4	82
45	Suppressing TGFÎ² Signaling in Regenerating Epithelia in an Inflammatory Microenvironment Is Sufficient to Cause Invasive Intestinal Cancer. Cancer Research, 2015, 75, 766-776.	0.4	80
46	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17163-17168.	3.3	79
47	The Interleukin-6 Family Cytokine Interleukin-11 Regulates Homeostatic Epithelial Cell Turnover and Promotes Gastric Tumor Development. Gastroenterology, 2009, 136, 967-977.e3.	0.6	79
48	COX Selectivity and Animal Models for Colon Cancer. Current Pharmaceutical Design, 2002, 8, 1021-1034.	0.9	78
49	Functional role of <scp>CD</scp>44vâ€<scp>CT</scp> system in the development of spasmolytic polypeptideâ€expressing metaplasia. Cancer Science, 2013, 104, 1323-1329.	1.7	78
50	Chromosomal instability by Î²-catenin/TCF transcription in APC or Î²-catenin mutant cells. Oncogene, 2007, 26, 3511-3520.	2.6	74
51	Nuclear translocation of beta-catenin in hereditary and carcinogen- induced intestinal adenomas. Carcinogenesis, 1998, 19, 543-549.	1.3	71
52	HMGA1 Is Induced by Wnt/Î²-Catenin Pathway and Maintains Cell Proliferation in Gastric Cancer. American Journal of Pathology, 2009, 175, 1675-1685.	1.9	69
53	Effects of docosahexaenoic acid (DHA) on intestinal polyp development in ApcÎ”716 knockout mice. Carcinogenesis, 1995, 16, 2605-2607.	1.3	66
54	Claudin-4 Deficiency Results in Urothelial Hyperplasia and Lethal Hydronephrosis. PLoS ONE, 2012, 7, e52272.	1.1	63

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55	Inflammasome Adaptor ASC Suppresses Apoptosis of Gastric Cancer Cells by an IL18-Mediated Inflammation-Independent Mechanism. Cancer Research, 2018, 78, 1293-1307.	0.4	62
56	Hyperplastic Gastric Tumors with Spasmolytic Polypeptideâ€“Expressing Metaplasia Caused by Tumor Necrosis Factor-Î±â€“Dependent Inflammation in Cyclooxygenase-2/Microsomal Prostaglandin E Synthase-1 Transgenic Mice. Cancer Research, 2005, 65, 9147-9151.	0.4	61
57	Interleukin-11-expressing fibroblasts have a unique gene signature correlated with poor prognosis of colorectal cancer. Nature Communications, 2021, 12, 2281.	5.8	60
58	Induction and Down-regulation of Sox17 and Its Possible Roles During the Course of Gastrointestinal Tumorigenesis. Gastroenterology, 2009, 137, 1346-1357.	0.6	59
59	Activation of Bmp2-Smad1 Signal and Its Regulation by Coordinated Alteration of H3K27 Trimethylation in Ras-Induced Senescence. PLoS Genetics, 2011, 7, e1002359.	1.5	59
60	Identification of a TLR2-regulated gene signature associated with tumor cell growth in gastric cancer. Oncogene, 2017, 36, 5134-5144.	2.6	56
61	Intestinal cancer progression by mutant p53 through the acquisition of invasiveness associated with complex glandular formation. Oncogene, 2017, 36, 5885-5896.	2.6	56
62	Activation of epidermal growth factor receptor signaling by the prostaglandin E₂ receptor EP4 pathway during gastric tumorigenesis. Cancer Science, 2011, 102, 713-719.	1.7	53
63	Requirement for tumor suppressor Apc in the morphogenesis of anterior and ventral mouse embryo. Developmental Biology, 2003, 253, 230-246.	0.9	52
64	Dipeptide species regulate p38MAPKâ€“Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. Nature Communications, 2015, 6, 8039.	5.8	52
65	Suppression of Tubulin Polymerization by the LKB1-Microtubule-associated Protein/Microtubule Affinity-regulating Kinase Signaling. Journal of Biological Chemistry, 2007, 282, 23532-23540.	1.6	51
66	Suppression of intestinal polyp development by low-fat and high-fiber diet in Apc(delta716) knockout mice. Carcinogenesis, 1997, 18, 1863-1865.	1.3	50
67	NF-Î°B-induced NOX1 activation promotes gastric tumorigenesis through the expansion of SOX2-positive epithelial cells. Oncogene, 2019, 38, 4250-4263.	2.6	50
68	Prostaglandin E₂, Wnt, and BMP in gastric tumor mouse models. Cancer Science, 2009, 100, 1779-1785.	1.7	49
69	Interleukin 1 Up-regulates MicroRNA 135b to Promote Inflammation-Associated Gastric Carcinogenesis in Mice. Gastroenterology, 2019, 156, 1140-1155.e4.	0.6	49
70	18Î²-glycyrrhetinic acid suppresses gastric cancer by activation of miR-149-3p-Wnt-1 signaling. Oncotarget, 2016, 7, 71960-71973.	0.8	49
71	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. Clinical Cancer Research, 2018, 24, 1459-1472.	3.2	46
72	Cox-2 deletion in myeloid and endothelial cells, but not in epithelial cells, exacerbates murine colitis.. Carcinogenesis, 2011, 32, 417-426.	1.3	45

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73	The Threshold Level of Adenomatous Polyposis Coli Protein for Mouse Intestinal Tumorigenesis. Cancer Research, 2005, 65, 8622-8627.	0.4	43
74	Hyperactive gp130/STAT3â€driven gastric tumourigenesis promotes submucosal tertiary lymphoid structure development. International Journal of Cancer, 2018, 143, 167-178.	2.3	43
75	Destruction of Pancreatic Î²-Cells by Transgenic Induction of Prostaglandin E2 in the Islets. Journal of Biological Chemistry, 2006, 281, 29330-29336.	1.6	42
76	A Targeted Mutation of Nkd1 Impairs Mouse Spermatogenesis. Journal of Biological Chemistry, 2005, 280, 2831-2839.	1.6	41
77	Inflammation, tumor necrosis factor and Wnt promotion in gastric cancer development. Future Oncology, 2010, 6, 515-526.	1.1	41
78	Stemness Is Enhanced in Gastric Cancer by a SET/PP2A/E2F1 Axis. Molecular Cancer Research, 2018, 16, 554-563.	1.5	40
79	Pericentromeric noncoding RNA changes DNA binding of CTCF and inflammatory gene expression in senescence and cancer. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	38
80	The role of PGE2-associated inflammatory responses in gastric cancer development. Seminars in Immunopathology, 2013, 35, 139-150.	2.8	34
81	Impact of Inflammationâ€“Metaplasiaâ€“Adenocarcinoma Sequence and Inflammatory Microenvironment in Esophageal Carcinogenesis Using Surgical Rat Models. Annals of Surgical Oncology, 2014, 21, 2012-2019.	0.7	34
82	Contextâ€dependent activation of Wnt signaling by tumor suppressor <scp>RUNX</scp>3 in gastric cancer cells. Cancer Science, 2014, 105, 418-424.	1.7	33
83	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. Cell Stem Cell, 2018, 22, 713-725.e8.	5.2	33
84	Loss of wild-type p53 promotes mutant p53-driven metastasis through acquisition of survival and tumor-initiating properties. Nature Communications, 2020, 11, 2333.	5.8	33
85	Accelerated onsets of gastric hamartomas and hepatic adenomas/carcinomas in Lkb1+/â^'p53â^'/â^' compound mutant mice. Oncogene, 2006, 25, 1816-1820.	2.6	32
86	Mouse gastric tumor models with prostaglandin E2 pathway activation show similar gene expression profiles to intestinal-type human gastric cancer. BMC Genomics, 2009, 10, 615.	1.2	32
87	Hepatocellular carcinoma development induced by conditional Î²â€catenin activation in Lkb1^{+/â^'} mice. Cancer Science, 2009, 100, 2046-2053.	1.7	32
88	Matrix metalloproteinase 7 is required for tumor formation, but dispensable for invasion and fibrosis in SMAD4-deficient intestinal adenocarcinomas. Laboratory Investigation, 2009, 89, 98-105.	1.7	32
89	The inflammatory microenvironment that promotes gastrointestinal cancer development and invasion. Advances in Biological Regulation, 2018, 68, 39-45.	1.4	32
90	A genome-scale CRISPR screen reveals factors regulating Wnt-dependent renewal of mouse gastric epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32

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91	Impaired extrapyramidal function caused by the targeted disruption of Retinoid X receptor RXRÎ³1 isoform. Genes To Cells, 1999, 4, 219-228.	0.5	31
92	The unfolded protein response is activated in Helicobacter-induced gastric carcinogenesis in a non-cell autonomous manner. Laboratory Investigation, 2013, 93, 112-122.	1.7	31
93	Roles of cyclooxygenaseâ€2 and microsomal prostaglandin E synthaseâ€1 expression and Î²â€catenin activation in gastric carcinogenesis in Nâ€methylâ€Nâ€nitrosoureaâ€treated K19â€C2mE transgenic mice. Cancer Science, 2008, 99, 2356-2364.	1.7	29
94	Canolol Inhibits Gastric Tumors Initiation and Progression through COX-2/PGE2 Pathway in K19-C2mE Transgenic Mice. PLoS ONE, 2015, 10, e0120938.	1.1	29
95	Simultaneous expression of COX-2 and mPGES-1 in mouse gastrointestinal hamartomas. British Journal of Cancer, 2004, 90, 701-704.	2.9	28
96	Novel oral transforming growth factorâ€Î² signaling inhibitor <scp>EW</scp>â€7197 eradicates <scp>CML</scp>â€initiating cells. Cancer Science, 2016, 107, 140-148.	1.7	28
97	Myeloid Differentiation Factor 88 Signaling in Bone Marrowâ€“Derived Cells Promotes Gastric Tumorigenesis by Generation of Inflammatory Microenvironment. Cancer Prevention Research, 2016, 9, 253-263.	0.7	27
98	Functional loss of p53 cooperates with the in vivo microenvironment to promote malignant progression of gastric cancers. Scientific Reports, 2018, 8, 2291.	1.6	27
99	Malignant subclone drives metastasis of genetically and phenotypically heterogenous cell clusters through fibrotic niche generation. Nature Communications, 2021, 12, 863.	5.8	27
100	Platelet-type 12-lipoxygenase accelerates tumor promotion of mouse epidermal cells through enhancement of cloning efficiency. Carcinogenesis, 2008, 29, 440-447.	1.3	26
101	A novel role for OATP2A1/SLCO2A1 in a murine model of colon cancer. Scientific Reports, 2017, 7, 16567.	1.6	26
102	Chronic liver disease enables gut Enterococcus faecalis colonization to promote liver carcinogenesis. Nature Cancer, 2021, 2, 1039-1054.	5.7	26
103	Induction of Prostaglandin E2 Pathway Promotes Gastric Hamartoma Development with Suppression of Bone Morphogenetic Protein Signaling. Cancer Research, 2009, 69, 2729-2733.	0.4	25
104	Inflammatory and mitogenic signals drive interleukin 23 subunit alpha (IL23A) secretion independent of IL12B in intestinal epithelial cells. Journal of Biological Chemistry, 2020, 295, 6387-6400.	1.6	25
105	Mouse models of gastric tumors: Wnt activation and PGE2 induction. Pathology International, 2010, 60, 599-607.	0.6	23
106	Effects of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine on intestinal polyp development in ApcÎ”716 knockout mice. , 1996, 15, 11-17.		22
107	Estrogen-induced tumorigenesis in the pituitary gland of TGF-Î²(+/â^) knockout mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 79-83.	1.8	22
108	Inhibition of Î²-catenin and STAT3 with a curcumin analog suppresses gastric carcinogenesis in vivo. Gastric Cancer, 2015, 18, 774-783.	2.7	22

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109	Development of spontaneous tumours and intestinal lesions in Fhit gene knockout mice. British Journal of Cancer, 2004, 91, 1571-1574.	2.9	21
110	Hypergravity induces expression of cyclooxygenase-2 in the heart vessels. Biochemical and Biophysical Research Communications, 2005, 330, 928-933.	1.0	20
111	Adenomatous polyposis coli heterozygous knockout mice display hypoactivity and age-dependent working memory deficits. Frontiers in Behavioral Neuroscience, 2011, 5, 85.	1.0	20
112	Requisite role of vasohibinâ€2 in spontaneous gastric cancer formation and accumulation of cancerâ€associated fibroblasts. Cancer Science, 2017, 108, 2342-2351.	1.7	20
113	NOTUM is a potential pharmacodynamic biomarker of Wnt pathway inhibition. Oncotarget, 2016, 7, 12386-12392.	0.8	20
114	FOXO3 is a latent tumor suppressor for FOXO3-positive and cytoplasmic-type gastric cancer cells. Oncogene, 2021, 40, 3072-3086.	2.6	18
115	Requirement of SLD5 for Early Embryogenesis. PLoS ONE, 2013, 8, e78961.	1.1	17
116	Characterization of <scp>RNF43</scp> frameshift mutations that drive <scp>Wnt</scp> ligandâ€• and <scp>R</scp>â€spondinâ€dependent colon cancer. Journal of Pathology, 2022, 257, 39-52.	2.1	17
117	Chemical fixation creates nanoscale clusters on the cell surface by aggregating membrane proteins. Communications Biology, 2022, 5, .	2.0	16
118	Nardilysin regulates inflammation, metaplasia, and tumors in murine stomach. Scientific Reports, 2017, 7, 43052.	1.6	13
119	Dietary intake of pyrolyzed deketene curcumin inhibits gastric carcinogenesis. Journal of Functional Foods, 2018, 50, 192-200.	1.6	13
120	Autophagy regulates levels of tumor suppressor enzyme protein phosphatase 6. Cancer Science, 2020, 111, 4371-4380.	1.7	13
121	Nano-scale physical properties characteristic to metastatic intestinal cancer cells identified by high-speed scanning ion conductance microscope. Biomaterials, 2022, 280, 121256.	5.7	13
122	Ink4a/Arf-Dependent Loss of Parietal Cells Induced by Oxidative Stress Promotes CD44-Dependent Gastric Tumorigenesis. Cancer Prevention Research, 2015, 8, 492-501.	0.7	12
123	Stat3 is indispensable for damageâ€induced crypt regeneration but not for Wntâ€driven intestinal tumorigenesis. FASEB Journal, 2019, 33, 1873-1886.	0.2	12
124	Therapeutic activity of glycoengineered antiâ€<scp>GM</scp>2 antibodies against malignant pleural mesothelioma. Cancer Science, 2015, 106, 102-107.	1.7	9
125	Increased Level of Serum Vascular Endothelial Growth Factor by Long-Term Exposure to Hypergravity. Experimental Animals, 2007, 56, 309-313.	0.7	7
126	Toll-like receptor 2: therapeutic target for gastric carcinogenesis. Oncotarget, 2012, 3, 1260-1261.	0.8	7

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127	Morphologic and Molecular Analysis of Estrogen-Induced Pituitary Tumorigenesis in Targeted Disruption of Transforming Growth Factor-Î² Receptor Type II and/or p27 Mice. Endocrine, 2001, 16, 55-66.	2.2	5
128	Genetic Alterations and Microenvironment that Drive Malignant Progression of Colorectal Cancer: Lessons from Mouse and Organoid Models. Journal of Cancer Prevention, 2022, 27, 1-6.	0.8	2
129	Laser Microdissection of Cellular Compartments for Expression Analyses in Cancer Models. Methods in Molecular Biology, 2018, 1725, 143-153.	0.4	0