Masanobu Oshima

List of Publications by Year
in descending order

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Version: 2024-02-01

129	17,064	25034	14208
papers	citations	57 h-index	128 g-index

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

#	Article	IF	Citations
1	Nano-scale physical properties characteristic to metastatic intestinal cancer cells identified by high-speed scanning ion conductance microscope. Biomaterials, 2022, 280, 121256.	11.4	13
2	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.	4.5	17
3	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.	2.0	2
4	Chemical fixation creates nanoscale clusters on the cell surface by aggregating membrane proteins. Communications Biology, 2022, 5, .	4.4	16
5	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, .	7.1	32
6	Malignant subclone drives metastasis of genetically and phenotypically heterogenous cell clusters through fibrotic niche generation. Nature Communications, 2021, 12, 863.	12.8	27
7	FOXO3 is a latent tumor suppressor for FOXO3-positive and cytoplasmic-type gastric cancer cells. Oncogene, 2021, 40, 3072-3086.	5.9	18
8	Interleukin-11-expressing fibroblasts have a unique gene signature correlated with poor prognosis of colorectal cancer. Nature Communications, 2021, 12, 2281.	12.8	60
9	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, .	7.1	38
10	Chronic liver disease enables gut Enterococcus faecalis colonization to promote liver carcinogenesis. Nature Cancer, 2021, 2, 1039-1054.	13.2	26
11	Autophagy regulates levels of tumor suppressor enzyme protein phosphatase 6. Cancer Science, 2020, 111, 4371-4380.	3.9	13
12	Loss of wild-type p53 promotes mutant p53-driven metastasis through acquisition of survival and tumor-initiating properties. Nature Communications, 2020, 11, 2333.	12.8	33
13	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.	3.4	25
14	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.	7.1	100
15	NF-ÎºB-induced NOX1 activation promotes gastric tumorigenesis through the expansion of SOX2-positive epithelial cells. Oncogene, 2019, 38, 4250-4263.	5.9	50
16	Interleukin 1 Up-regulates MicroRNA 135b to Promote Inflammation-Associated Gastric Carcinogenesis in Mice. Gastroenterology, 2019, 156, 1140-1155.e4.	1.3	49
17	Stat3 is indispensable for damageâ€induced crypt regeneration but not for Wntâ€driven intestinal tumorigenesis. FASEB Journal, 2019, 33, 1873-1886.	0.5	12
18	Mutant p53 in colon cancer. Journal of Molecular Cell Biology, 2019, 11, 267-276.	3.3	170

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19	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. Cell Stem Cell, 2018, 22, 713-725.e8.	11.1	33
20	Functional loss of p53 cooperates with the in vivo microenvironment to promote malignant progression of gastric cancers. Scientific Reports, 2018, 8, 2291.	3.3	27
21	The inflammatory microenvironment that promotes gastrointestinal cancer development and invasion. Advances in Biological Regulation, 2018, 68, 39-45.	2.3	32
22	Hyperactive gp130/STAT3â€driven gastric tumourigenesis promotes submucosal tertiary lymphoid structure development. International Journal of Cancer, 2018, 143, 167-178.	5.1	43
23	Inflammasome Adaptor ASC Suppresses Apoptosis of Gastric Cancer Cells by an IL18-Mediated Inflammation-Independent Mechanism. Cancer Research, 2018, 78, 1293-1307.	0.9	62
24	Combined Mutation of Apc, Kras, and Tgfbr2 Effectively Drives Metastasis of Intestinal Cancer. Cancer Research, 2018, 78, 1334-1346.	0.9	106
25	Clinical Utility of a STAT3-Regulated miRNA-200 Family Signature with Prognostic Potential in Early Gastric Cancer. Clinical Cancer Research, 2018, 24, 1459-1472.	7.0	46
26	Stemness Is Enhanced in Gastric Cancer by a SET/PP2A/E2F1 Axis. Molecular Cancer Research, 2018, 16, 554-563.	3.4	40
27	Laser Microdissection of Cellular Compartments for Expression Analyses in Cancer Models. Methods in Molecular Biology, 2018, 1725, 143-153.	0.9	0
28	Dietary intake of pyrolyzed deketene curcumin inhibits gastric carcinogenesis. Journal of Functional Foods, 2018, 50, 192-200.	3.4	13
29	Estrogen-related receptor gamma functions as a tumor suppressor in gastric cancer. Nature Communications, 2018, 9, 1920.	12.8	85
30	Gut Microbiota Promotes Obesity-Associated Liver Cancer through PGE2-Mediated Suppression of Antitumor Immunity. Cancer Discovery, 2017, 7, 522-538.	9.4	321
31	Nardilysin regulates inflammation, metaplasia, and tumors in murine stomach. Scientific Reports, 2017, 7, 43052.	3.3	13
32	Cell competition with normal epithelial cells promotes apical extrusion of transformed cells through metabolicÂchanges. Nature Cell Biology, 2017, 19, 530-541.	10.3	172
33	Identification of a TLR2-regulated gene signature associated with tumor cell growth in gastric cancer. Oncogene, 2017, 36, 5134-5144.	5.9	56
34	Intestinal cancer progression by mutant p53 through the acquisition of invasiveness associated with complex glandular formation. Oncogene, 2017, 36, 5885-5896.	5.9	56
35	A novel role for OATP2A1/SLCO2A1 in a murine model of colon cancer. Scientific Reports, 2017, 7, 16567.	3.3	26
36	Requisite role of vasohibinâ€2 in spontaneous gastric cancer formation and accumulation of cancerâ€associated fibroblasts. Cancer Science, 2017, 108, 2342-2351.	3.9	20

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37	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.	3.9	28
38	Inflammation in gastric cancer: Interplay of the COXâ€2/prostaglandin E₂ and Tollâ€like receptor/MyD88 pathways. Cancer Science, 2016, 107, 391-397.	3.9	180
39	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.	1.5	27
40	18Î²-glycyrrhetinic acid suppresses gastric cancer by activation of miR-149-3p-Wnt-1 signaling. Oncotarget, 2016, 7, 71960-71973.	1.8	49
41	NOTUM is a potential pharmacodynamic biomarker of Wnt pathway inhibition. Oncotarget, 2016, 7, 12386-12392.	1.8	20
42	Therapeutic activity of glycoengineered antiâ€<scp>GM</scp>2 antibodies against malignant pleural mesothelioma. Cancer Science, 2015, 106, 102-107.	3.9	9
43	Ink4a/Arf-Dependent Loss of Parietal Cells Induced by Oxidative Stress Promotes CD44-Dependent Gastric Tumorigenesis. Cancer Prevention Research, 2015, 8, 492-501.	1.5	12
44	Inhibition of Î²-catenin and STAT3 with a curcumin analog suppresses gastric carcinogenesis in vivo. Gastric Cancer, 2015, 18, 774-783.	5.3	22
45	Suppressing TGFÎ² Signaling in Regenerating Epithelia in an Inflammatory Microenvironment Is Sufficient to Cause Invasive Intestinal Cancer. Cancer Research, 2015, 75, 766-776.	0.9	80
46	Dipeptide species regulate p38MAPKâ€“Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. Nature Communications, 2015, 6, 8039.	12.8	52
47	MicroRNA-29c mediates initiation of gastric carcinogenesis by directly targeting ITGB1. Gut, 2015, 64, 203-214.	12.1	133
48	Canolol Inhibits Gastric Tumors Initiation and Progression through COX-2/PGE2 Pathway in K19-C2mE Transgenic Mice. PLoS ONE, 2015, 10, e0120938.	2.5	29
49	TNF-Î±/TNFR1 signaling promotes gastric tumorigenesis through induction of Noxo1 and Gna14 in tumor cells. Oncogene, 2014, 33, 3820-3829.	5.9	123
50	Contextâ€dependent activation of Wnt signaling by tumor suppressor <scp>RUNX</scp>3 in gastric cancer cells. Cancer Science, 2014, 105, 418-424.	3.9	33
51	Impact of Inflammationâ€“Metaplasiaâ€“Adenocarcinoma Sequence and Inflammatory Microenvironment in Esophageal Carcinogenesis Using Surgical Rat Models. Annals of Surgical Oncology, 2014, 21, 2012-2019.	1.5	34
52	The role of PGE2-associated inflammatory responses in gastric cancer development. Seminars in Immunopathology, 2013, 35, 139-150.	6.1	34
53	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.	3.9	78
54	The unfolded protein response is activated in Helicobacter-induced gastric carcinogenesis in a non-cell autonomous manner. Laboratory Investigation, 2013, 93, 112-122.	3.7	31

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55	Requirement of SLD5 for Early Embryogenesis. PLoS ONE, 2013, 8, e78961.	2.5	17
56	STAT3-Driven Upregulation of TLR2 Promotes Gastric Tumorigenesis Independent of Tumor Inflammation. Cancer Cell, 2012, 22, 466-478.	16.8	245
57	Inflammation-induced repression of tumor suppressor miR-7 in gastric tumor cells. Oncogene, 2012, 31, 3949-3960.	5.9	107
58	Claudin-4 Deficiency Results in Urothelial Hyperplasia and Lethal Hydronephrosis. PLoS ONE, 2012, 7, e52272.	2.5	63
59	The inflammatory network in the gastrointestinal tumor microenvironment: lessons from mouse models. Journal of Gastroenterology, 2012, 47, 97-106.	5.1	93
60	Toll-like receptor 2: therapeutic target for gastric carcinogenesis. Oncotarget, 2012, 3, 1260-1261.	1.8	7
61	Prostaglandin E2 Signaling and Bacterial Infection Recruit Tumor-Promoting Macrophages to Mouse Gastric Tumors. Gastroenterology, 2011, 140, 596-607.e7.	1.3	107
62	Adenomatous polyposis coli heterozygous knockout mice display hypoactivity and age-dependent working memory deficits. Frontiers in Behavioral Neuroscience, 2011, 5, 85.	2.0	20
63	Activation of epidermal growth factor receptor signaling by the prostaglandin E₂ receptor EP4 pathway during gastric tumorigenesis. Cancer Science, 2011, 102, 713-719.	3.9	53
64	Suppression of Colon Cancer Metastasis by Aes through Inhibition of Notch Signaling. Cancer Cell, 2011, 19, 125-137.	16.8	183
65	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.	16.8	1,020
66	Cox-2 deletion in myeloid and endothelial cells, but not in epithelial cells, exacerbates murine colitis.. Carcinogenesis, 2011, 32, 417-426.	2.8	45
67	Activation of Bmp2-Smad1 Signal and Its Regulation by Coordinated Alteration of H3K27 Trimethylation in Ras-Induced Senescence. PLoS Genetics, 2011, 7, e1002359.	3.5	59
68	Mouse models of gastric tumors: Wnt activation and PGE2 induction. Pathology International, 2010, 60, 599-607.	1.3	23
69	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.	3.9	130
70	Inflammation, tumor necrosis factor and Wnt promotion in gastric cancer development. Future Oncology, 2010, 6, 515-526.	2.4	41
71	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.	7.1	79
72	Induction of Prostaglandin E2 Pathway Promotes Gastric Hamartoma Development with Suppression of Bone Morphogenetic Protein Signaling. Cancer Research, 2009, 69, 2729-2733.	0.9	25

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73	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.	2.8	32
74	Prostaglandin E₂, Wnt, and BMP in gastric tumor mouse models. Cancer Science, 2009, 100, 1779-1785.	3.9	49
75	Hepatocellular carcinoma development induced by conditional Î²â€catenin activation in Lkb1^{+/â¯} mice. Cancer Science, 2009, 100, 2046-2053.	3.9	32
76	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.	3.7	32
77	The Interleukin-6 Family Cytokine Interleukin-11 Regulates Homeostatic Epithelial Cell Turnover and Promotes Gastric Tumor Development. Gastroenterology, 2009, 136, 967-977.e3.	1.3	79
78	Induction and Down-regulation of Sox17 and Its Possible Roles During the Course of Gastrointestinal Tumorigenesis. Gastroenterology, 2009, 137, 1346-1357.	1.3	59
79	HMGA1 Is Induced by Wnt/Î²-Catenin Pathway and Maintains Cell Proliferation in Gastric Cancer. American Journal of Pathology, 2009, 175, 1675-1685.	3.8	69
80	Activated macrophages promote Wnt signalling through tumour necrosis factor-Î± in gastric tumour cells. EMBO Journal, 2008, 27, 1671-1681.	7.8	252
81	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.	3.9	29
82	Stromal Fibroblasts Activated by Tumor Cells Promote Angiogenesis in Mouse Gastric Cancer. Journal of Biological Chemistry, 2008, 283, 19864-19871.	3.4	149
83	Platelet-type 12-lipoxygenase accelerates tumor promotion of mouse epidermal cells through enhancement of cloning efficiency. Carcinogenesis, 2008, 29, 440-447.	2.8	26
84	Blocking TNF-Î± in mice reduces colorectal carcinogenesis associated with chronic colitis. Journal of Clinical Investigation, 2008, 118, 560-70.	8.2	706
85	Suppression of Tubulin Polymerization by the LKB1-Microtubule-associated Protein/Microtubule Affinity-regulating Kinase Signaling. Journal of Biological Chemistry, 2007, 282, 23532-23540.	3.4	51
86	Increased Level of Serum Vascular Endothelial Growth Factor by Long-Term Exposure to Hypergravity. Experimental Animals, 2007, 56, 309-313.	1.1	7
87	Chromosomal instability by Î²-catenin/TCF transcription in APC or Î²-catenin mutant cells. Oncogene, 2007, 26, 3511-3520.	5.9	74
88	Chemokine receptor CXCR3 promotes colon cancer metastasis to lymph nodes. Oncogene, 2007, 26, 4679-4688.	5.9	213
89	SMAD4-deficient intestinal tumors recruit CCR1+ myeloid cells that promote invasion. Nature Genetics, 2007, 39, 467-475.	21.4	258
90	Carcinogenesis in Mouse Stomach by Simultaneous Activation of the Wnt Signaling and Prostaglandin E2 Pathway. Gastroenterology, 2006, 131, 1086-1095.	1.3	199

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91	Accelerated onsets of gastric hamartomas and hepatic adenomas/carcinomas in Lkb1+/â^'p53â^'/â^' compound mutant mice. Oncogene, 2006, 25, 1816-1820.	5.9	32
92	Destruction of Pancreatic Î²-Cells by Transgenic Induction of Prostaglandin E2 in the Islets. Journal of Biological Chemistry, 2006, 281, 29330-29336.	3.4	42
93	A Targeted Mutation of Nkd1 Impairs Mouse Spermatogenesis. Journal of Biological Chemistry, 2005, 280, 2831-2839.	3.4	41
94	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.	0.9	61
95	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.	5.2	289
96	The Threshold Level of Adenomatous Polyposis Coli Protein for Mouse Intestinal Tumorigenesis. Cancer Research, 2005, 65, 8622-8627.	0.9	43
97	Hypergravity induces expression of cyclooxygenase-2 in the heart vessels. Biochemical and Biophysical Research Communications, 2005, 330, 928-933.	2.1	20
98	Pivotal Role of CXCR3 in Melanoma Cell Metastasis to Lymph Nodes. Cancer Research, 2004, 64, 4010-4017.	0.9	254
99	Hepatocarcinogenesis in Mice with Î²-Catenin and Ha-Ras Gene Mutations. Cancer Research, 2004, 64, 48-54.	0.9	179
100	Hyperplastic gastric tumors induced by activated macrophages in COX-2/mPGES-1 transgenic mice. EMBO Journal, 2004, 23, 1669-1678.	7.8	218
101	Simultaneous expression of COX-2 and mPGES-1 in mouse gastrointestinal hamartomas. British Journal of Cancer, 2004, 90, 701-704.	6.4	28
102	Development of spontaneous tumours and intestinal lesions in Fhit gene knockout mice. British Journal of Cancer, 2004, 91, 1571-1574.	6.4	21
103	Colonic polyposis caused by mTOR-mediated chromosomal instability in Apc+/Î”716 Cdx2+/â^' compound mutant mice. Nature Genetics, 2003, 35, 323-330.	21.4	224
104	Requirement for tumor suppressor Apc in the morphogenesis of anterior and ventral mouse embryo. Developmental Biology, 2003, 253, 230-246.	2.0	52
105	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.	2.3	245
106	Cooperation of cyclooxygenase 1 and cyclooxygenase 2 in intestinal polyposis. Cancer Research, 2003, 63, 4872-7.	0.9	82
107	COX Selectivity and Animal Models for Colon Cancer. Current Pharmaceutical Design, 2002, 8, 1021-1034.	1.9	78
108	Cyclooxygenase 2- and prostaglandin E(2) receptor EP(2)-dependent angiogenesis in Apc(Delta716) mouse intestinal polyps. Cancer Research, 2002, 62, 506-11.	0.9	249

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109	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.	0.9	137
110	Gastrointestinal hamartomatous polyposis in Lkb1 heterozygous knockout mice. Cancer Research, 2002, 62, 2261-6.	0.9	154
111	Hepatocellular carcinoma caused by loss of heterozygosity in Lkb1 gene knockout mice. Cancer Research, 2002, 62, 4549-53.	0.9	104
112	Cyclooxygenase-2 expression in fibroblasts and endothelial cells of intestinal polyps. Cancer Research, 2002, 62, 6846-9.	0.9	85
113	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
114	Acceleration of intestinal polyposis through prostaglandin receptor EP2 in Apcî”716 knockout mice. Nature Medicine, 2001, 7, 1048-1051.	30.7	562
115	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.	7.1	193
116	Impaired extrapyramidal function caused by the targeted disruption of Retinoid X receptor RXRÎ³1 isoform. Genes To Cells, 1999, 4, 219-228.	1.2	31
117	Intestinal polyposis in mice with a dominant stable mutation of the beta -catenin gene. EMBO Journal, 1999, 18, 5931-5942.	7.8	1,074
118	Gastric and duodenal polyps in Smad4 (Dpc4) knockout mice. Cancer Research, 1999, 59, 6113-7.	0.9	160
119	Estrogen-induced tumorigenesis in the pituitary gland of TGF-Î²(+/âˆ’) knockout mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 79-83.	3.8	22
120	Intestinal Tumorigenesis in Compound Mutant Mice of both Dpc4(Smad4) and Apc Genes. Cell, 1998, 92, 645-656.	28.9	565
121	Nuclear translocation of beta-catenin in hereditary and carcinogen- induced intestinal adenomas. Carcinogenesis, 1998, 19, 543-549.	2.8	71
122	Suppression of intestinal polyp development by low-fat and high-fiber diet in Apc(delta716) knockout mice. Carcinogenesis, 1997, 18, 1863-1865.	2.8	50
123	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.	7.1	301
124	Early Embryonic Lethality Caused by Targeted Disruption of the Mouse Thioredoxin Gene. Developmental Biology, 1996, 178, 179-185.	2.0	480
125	TGF-Î² Receptor Type II Deficiency Results in Defects of Yolk Sac Hematopoiesis and Vasculogenesis. Developmental Biology, 1996, 179, 297-302.	2.0	614
126	Suppression of Intestinal Polyposis in Apcî”716 Knockout Mice by Inhibition of Cyclooxygenase 2 (COX-2). Cell, 1996, 87, 803-809.	28.9	2,230

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127	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
128	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.	7.1	513
129	Effects of docosahexaenoic acid (DHA) on intestinal polyp development in Apcî”716 knockout mice. Carcinogenesis, 1995, 16, 2605-2607.	2.8	66