

Hideyuki Saya

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271
papers

14,547
citations

62
h-index

111
g-index

289
ext. papers

16,694
ext. citations

7.6
avg, IF

6.36
L-index

#	Paper	IF	Citations
271	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
270	Aurora-A - a guardian of poles. <i>Nature Reviews Cancer</i> , 2005 , 5, 42-50	31.3	582
269	Aurora-A and an interacting activator, the LIM protein Ajuba, are required for mitotic commitment in human cells. <i>Cell</i> , 2003 , 114, 585-98	56.2	515
268	Mitogenic signalling and the p16INK4a-Rb pathway cooperate to enforce irreversible cellular senescence. <i>Nature Cell Biology</i> , 2006 , 8, 1291-7	23.4	379
267	M-CSF inhibition selectively targets pathological angiogenesis and lymphangiogenesis. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1089-102	16.6	293
266	Mechanism and biological significance of CD44 cleavage. <i>Cancer Science</i> , 2004 , 95, 930-5	6.9	291
265	Proteolytic release of CD44 intracellular domain and its role in the CD44 signaling pathway. <i>Journal of Cell Biology</i> , 2001 , 155, 755-62	7.3	290
264	Aurora-A kinase maintains the fidelity of early and late mitotic events in HeLa cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 51786-95	5.4	274
263	Expression of CD44R1 adhesion molecule in colon carcinomas and metastases. <i>Lancet, The</i> , 1993 , 341, 725-6	40	265
262	Alternative splicing of CD44 mRNA by ESRP1 enhances lung colonization of metastatic cancer cell. <i>Nature Communications</i> , 2012 , 3, 883	17.4	255
261	Cell-matrix interaction via CD44 is independently regulated by different metalloproteinases activated in response to extracellular Ca(2+) influx and PKC activation. <i>Journal of Cell Biology</i> , 2004 , 165, 893-902	7.3	233
260	Activated macrophages promote Wnt signalling through tumour necrosis factor-alpha in gastric tumour cells. <i>EMBO Journal</i> , 2008 , 27, 1671-81	13	230
259	Dependence of paclitaxel sensitivity on a functional spindle assembly checkpoint. <i>Cancer Research</i> , 2004 , 64, 2502-8	10.1	223
258	Redox regulation in stem-like cancer cells by CD44 variant isoforms. <i>Oncogene</i> , 2013 , 32, 5191-8	9.2	209
257	CD44 cleavage induced by a membrane-associated metalloprotease plays a critical role in tumor cell migration. <i>Oncogene</i> , 1999 , 18, 1435-46	9.2	196
256	Hair follicle-derived IL-7 and IL-15 mediate skin-resident memory T cell homeostasis and lymphoma. <i>Nature Medicine</i> , 2015 , 21, 1272-9	50.5	175
255	Modulation of glucose metabolism by CD44 contributes to antioxidant status and drug resistance in cancer cells. <i>Cancer Research</i> , 2012 , 72, 1438-48	10.1	171

254	Modeling sporadic ALS in iPSC-derived motor neurons identifies a potential therapeutic agent. <i>Nature Medicine</i> , 2018 , 24, 1579-1589	50.5	169
253	Zyxin, a regulator of actin filament assembly, targets the mitotic apparatus by interacting with h-warts/LATS1 tumor suppressor. <i>Journal of Cell Biology</i> , 2000 , 149, 1073-86	7.3	167
252	Pyruvate kinase M2: multiple faces for conferring benefits on cancer cells. <i>Clinical Cancer Research</i> , 2012 , 18, 5554-61	12.9	166
251	Reactive oxygen species-induced autophagic degradation of Helicobacter pylori CagA is specifically suppressed in cancer stem-like cells. <i>Cell Host and Microbe</i> , 2012 , 12, 764-77	23.4	164
250	Therapeutic strategies targeting cancer stem cells. <i>Cancer Science</i> , 2016 , 107, 5-11	6.9	159
249	CD44s regulates the TGF- β -mediated mesenchymal phenotype and is associated with poor prognosis in patients with hepatocellular carcinoma. <i>Cancer Research</i> , 2012 , 72, 3414-23	10.1	155
248	cAMP/PKA signalling reinforces the LATS-YAP pathway to fully suppress YAP in response to actin cytoskeletal changes. <i>EMBO Journal</i> , 2013 , 32, 1543-55	13	154
247	Spindle checkpoint function is required for mitotic catastrophe induced by DNA-damaging agents. <i>Oncogene</i> , 2004 , 23, 6548-58	9.2	148
246	Hyaluronan oligosaccharides induce CD44 cleavage and promote cell migration in CD44-expressing tumor cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 32259-65	5.4	143
245	xCT inhibition depletes CD44v-expressing tumor cells that are resistant to EGFR-targeted therapy in head and neck squamous cell carcinoma. <i>Cancer Research</i> , 2013 , 73, 1855-66	10.1	137
244	Rb depletion results in deregulation of E-cadherin and induction of cellular phenotypic changes that are characteristic of the epithelial-to-mesenchymal transition. <i>Cancer Research</i> , 2008 , 68, 5104-12	10.1	129
243	Tumor necrosis factor-alpha regulates transforming growth factor-beta-dependent epithelial-mesenchymal transition by promoting hyaluronan-CD44-moesin interaction. <i>Journal of Biological Chemistry</i> , 2010 , 285, 4060-4073	5.4	126
242	DNA damage signaling triggers degradation of histone methyltransferases through APC/C(Cdh1) in senescent cells. <i>Molecular Cell</i> , 2012 , 45, 123-31	17.6	123
241	c-MYC overexpression with loss of Ink4a/Arf transforms bone marrow stromal cells into osteosarcoma accompanied by loss of adipogenesis. <i>Oncogene</i> , 2010 , 29, 5687-99	9.2	121
240	Proteolytic cleavage of the CD44 adhesion molecule in multiple human tumors. <i>American Journal of Pathology</i> , 2002 , 160, 441-7	5.8	121
239	Cre-loxP-controlled periodic Aurora-A overexpression induces mitotic abnormalities and hyperplasia in mammary glands of mouse models. <i>Oncogene</i> , 2004 , 23, 8720-30	9.2	119
238	Activation of Cdh1-dependent APC is required for G1 cell cycle arrest and DNA damage-induced G2 checkpoint in vertebrate cells. <i>EMBO Journal</i> , 2001 , 20, 6499-508	13	117
237	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

236	Transcriptional blockade induces p53-dependent apoptosis associated with translocation of p53 to mitochondria. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19166-76	5.4	114
235	Regulation of MKL1 via actin cytoskeleton dynamics drives adipocyte differentiation. <i>Nature Communications</i> , 2014 , 5, 3368	17.4	113
234	LATS-YAP/TAZ controls lineage specification by regulating TGF β signaling and Hnf4 β expression during liver development. <i>Nature Communications</i> , 2016 , 7, 11961	17.4	107
233	Real-time in vivo imaging of p16Ink4a reveals cross talk with p53. <i>Journal of Cell Biology</i> , 2009 , 186, 393-407	7.5	102
232	Activation of Transforming Growth Factor Beta 1 Signaling in Gastric Cancer-associated Fibroblasts Increases Their Motility, via Expression of Rhomboid 5 Homolog 2, and Ability to Induce Invasiveness of Gastric Cancer Cells. <i>Gastroenterology</i> , 2017 , 153, 191-204.e16	13.3	101
231	Concise Review: Stem Cells and Epithelial-Mesenchymal Transition in Cancer: Biological Implications and Therapeutic Targets. <i>Stem Cells</i> , 2016 , 34, 1997-2007	5.8	97
230	CD44 variant 9 expression in primary early gastric cancer as a predictive marker for recurrence. <i>British Journal of Cancer</i> , 2013 , 109, 379-86	8.7	97
229	Complexity of cancer stem cells. <i>International Journal of Cancer</i> , 2013 , 132, 1249-59	7.5	93
228	Salt-Inducible Kinase 2 Couples Ovarian Cancer Cell Metabolism with Survival at the Adipocyte-Rich Metastatic Niche. <i>Cancer Cell</i> , 2016 , 30, 273-289	24.3	92
227	IGF1 receptor signaling regulates adaptive radioprotection in glioma stem cells. <i>Stem Cells</i> , 2013 , 31, 627-40	5.8	91
226	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
225	Expression of TNF- α and CD44 is implicated in poor prognosis, cancer cell invasion, metastasis and resistance to the sunitinib treatment in clear cell renal cell carcinomas. <i>International Journal of Cancer</i> , 2015 , 136, 1504-14	7.5	80
224	Tks5-dependent formation of circumferential podosomes/invadopodia mediates cell-cell fusion. <i>Journal of Cell Biology</i> , 2012 , 197, 553-68	7.3	76
223	Regulated CD44 cleavage under the control of protein kinase C, calcium influx, and the Rho family of small G proteins. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25525-34	5.4	76
222	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
221	Tumor suppressor WARTS ensures genomic integrity by regulating both mitotic progression and G1 tetraploidy checkpoint function. <i>Oncogene</i> , 2004 , 23, 5266-74	9.2	75
220	Effectiveness of plasma treatment on gastric cancer cells. <i>Gastric Cancer</i> , 2015 , 18, 635-43	7.6	73
219	K858, a novel inhibitor of mitotic kinesin Eg5 and antitumor agent, induces cell death in cancer cells. <i>Cancer Research</i> , 2009 , 69, 3901-9	10.1	71

218	Breast cancer stem cells. <i>Breast Cancer</i> , 2010 , 17, 80-5	3.4	70
217	An evolving story of the metastatic voyage of ovarian cancer cells: cellular and molecular orchestration of the adipose-rich metastatic microenvironment. <i>Oncogene</i> , 2019 , 38, 2885-2898	9.2	70
216	Invasion precedes tumor mass formation in a malignant brain tumor model of genetically modified neural stem cells. <i>Neoplasia</i> , 2011 , 13, 784-91	6.4	69
215	The neurofibromatosis type 1 gene product neurofibromin enhances cell motility by regulating actin filament dynamics via the Rho-ROCK-LIMK2-cofilin pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39524-33	5.4	66
214	Molecular mechanisms regulating dissociation of cell-cell junction of epithelial cells by oxidative stress. <i>Genes To Cells</i> , 2009 , 14, 703-16	2.3	65
213	Macrophage-derived reactive oxygen species suppress miR-328 targeting CD44 in cancer cells and promote redox adaptation. <i>Carcinogenesis</i> , 2014 , 35, 1003-11	4.6	63
212	Prospects for new lung cancer treatments that target EMT signaling. <i>Developmental Dynamics</i> , 2018 , 247, 462-472	2.9	62
211	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
210	Inversed relationship between CD44 variant and c-Myc due to oxidative stress-induced canonical Wnt activation. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 443, 622-7	3.4	61
209	RNA-binding protein Musashi1 modulates glioma cell growth through the post-transcriptional regulation of Notch and PI3 kinase/Akt signaling pathways. <i>PLoS ONE</i> , 2012 , 7, e33431	3.7	60
208	Induction of ZEB proteins by inactivation of RB protein is key determinant of mesenchymal phenotype of breast cancer. <i>Journal of Biological Chemistry</i> , 2012 , 287, 7896-906	5.4	60
207	Dose-escalation study for the targeting of CD44v cancer stem cells by sulfasalazine in patients with advanced gastric cancer (EPOC1205). <i>Gastric Cancer</i> , 2017 , 20, 341-349	7.6	59
206	Visualizing the dynamics of p21(Waf1/Cip1) cyclin-dependent kinase inhibitor expression in living animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15034-9	11.5	58
205	Molecular detection of cancer cells by competitive reverse transcription-polymerase chain reaction analysis of specific CD44 variant RNAs. <i>Journal of the National Cancer Institute</i> , 1998 , 90, 307-15	9.7	57
204	Gold-nanoflow surface-enhanced Raman spectroscopy visualizes hypotaurine as a robust anti-oxidant consumed in cancer survival. <i>Nature Communications</i> , 2018 , 9, 1561	17.4	56
203	Loss of p16 expression is associated with the stem cell characteristics of surface markers and therapeutic resistance in estrogen receptor-negative breast cancer. <i>International Journal of Cancer</i> , 2012 , 130, 2568-79	7.5	55
202	Tumour resistance in induced pluripotent stem cells derived from naked mole-rats. <i>Nature Communications</i> , 2016 , 7, 11471	17.4	54
201	The EGF Receptor Promotes the Malignant Potential of Glioma by Regulating Amino Acid Transport System xc(-). <i>Cancer Research</i> , 2016 , 76, 2954-63	10.1	54

200	CD44s signals the acquisition of the mesenchymal phenotype required for anchorage-independent cell survival in hepatocellular carcinoma. <i>British Journal of Cancer</i> , 2014 , 110, 958-66	8.7	53
199	Functional analysis of HOXD9 in human gliomas and glioma cancer stem cells. <i>Molecular Cancer</i> , 2011 , 10, 60	42.1	53
198	Myristoylated alanine-rich C kinase substrate phosphorylation promotes cholangiocarcinoma cell migration and metastasis via the protein kinase C-dependent pathway. <i>Cancer Science</i> , 2010 , 101, 658-65	6.9	52
197	IMP dehydrogenase-2 drives aberrant nucleolar activity and promotes tumorigenesis in glioblastoma. <i>Nature Cell Biology</i> , 2019 , 21, 1003-1014	23.4	51
196	Molecular biology of glioma. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 746, 2-11	3.6	50
195	The impact of EpCAM expression on response to chemotherapy and clinical outcomes in patients with epithelial ovarian cancer. <i>Oncotarget</i> , 2017 , 8, 44312-44325	3.3	50
194	Simvastatin-Induced Apoptosis in Osteosarcoma Cells: A Key Role of RhoA-AMPK/p38 MAPK Signaling in Antitumor Activity. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 182-192	6.1	49
193	IGF2 preserves osteosarcoma cell survival by creating an autophagic state of dormancy that protects cells against chemotherapeutic stress. <i>Cancer Research</i> , 2014 , 74, 6531-41	10.1	48
192	Tumor necrosis factor- α stimulates the epithelial-mesenchymal transition regulator Snail in cholangiocarcinoma. <i>Medical Oncology</i> , 2012 , 29, 3083-91	3.7	48
191	Dual blockade of the lipid kinase PIP4Ks and mitotic pathways leads to cancer-selective lethality. <i>Nature Communications</i> , 2017 , 8, 2200	17.4	46
190	LATS1/WARTS phosphorylates MYPT1 to counteract PLK1 and regulate mammalian mitotic progression. <i>Journal of Cell Biology</i> , 2012 , 197, 625-41	7.3	46
189	Energy management by enhanced glycolysis in G1-phase in human colon cancer cells in vitro and in vivo. <i>Molecular Cancer Research</i> , 2013 , 11, 973-85	6.6	46
188	PSF1, a DNA replication factor expressed widely in stem and progenitor cells, drives tumorigenic and metastatic properties. <i>Cancer Research</i> , 2010 , 70, 1215-24	10.1	46
187	Aurora A overexpression induces cellular senescence in mammary gland hyperplastic tumors developed in p53-deficient mice. <i>Oncogene</i> , 2008 , 27, 4305-14	9.2	46
186	Ras oncoprotein induces CD44 cleavage through phosphoinositide 3-OH kinase and the rho family of small G proteins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29628-35	5.4	46
185	Dynamic epigenetic regulation of glioblastoma tumorigenicity through LSD1 modulation of MYC expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4055-64	11.5	44
184	TNF α promotes osteosarcoma progression by maintaining tumor cells in an undifferentiated state. <i>Oncogene</i> , 2014 , 33, 4236-41	9.2	44
183	Addiction to the IGF2-ID1-IGF2 circuit for maintenance of the breast cancer stem-like cells. <i>Oncogene</i> , 2017 , 36, 1276-1286	9.2	44

182	Targeting Aurora B to the equatorial cortex by MKlp2 is required for cytokinesis. <i>PLoS ONE</i> , 2013 , 8, e64826	9.76	44
181	PRKAR1A is overexpressed and represents a possible therapeutic target in human cholangiocarcinoma. <i>International Journal of Cancer</i> , 2011 , 129, 34-44	7.5	42
180	Transient depletion of p53 followed by transduction of c-Myc and K-Ras converts ovarian stem-like cells into tumor-initiating cells. <i>Carcinogenesis</i> , 2011 , 32, 1597-606	4.6	42
179	CD44 variant-dependent redox status regulation in liver fluke-associated cholangiocarcinoma: A target for cholangiocarcinoma treatment. <i>Cancer Science</i> , 2016 , 107, 991-1000	6.9	42
178	Endothelium-induced three-dimensional invasion of heterogeneous glioma initiating cells in a microfluidic coculture platform. <i>Integrative Biology (United Kingdom)</i> , 2017 , 9, 762-773	3.7	41
177	In vivo assessment of cancerous tumors using boron doped diamond microelectrode. <i>Scientific Reports</i> , 2012 , 2, 901	4.9	41
176	The tumor suppressor WARTS activates the Omi / HtrA2-dependent pathway of cell death. <i>Oncogene</i> , 2005 , 24, 5287-98	9.2	41
175	Expression profiles of carcinosarcoma of the uterine corpus-are these similar to carcinoma or sarcoma?. <i>Genes Chromosomes and Cancer</i> , 2012 , 51, 229-39	5	40
174	Stat3 as a potential therapeutic target for rheumatoid arthritis. <i>Scientific Reports</i> , 2017 , 7, 10965	4.9	40
173	T-type Calcium Channels Determine the Vulnerability of Dopaminergic Neurons to Mitochondrial Stress in Familial Parkinson Disease. <i>Stem Cell Reports</i> , 2018 , 11, 1171-1184	8	40
172	Maintenance of HCT116 colon cancer cell line conforms to a stochastic model but not a cancer stem cell model. <i>Cancer Science</i> , 2009 , 100, 2275-82	6.9	39
171	BubR1 localizes to centrosomes and suppresses centrosome amplification via regulating Plk1 activity in interphase cells. <i>Oncogene</i> , 2009 , 28, 2806-20	9.2	39
170	Metabolic heterogeneity and plasticity of glioma stem cells in a mouse glioblastoma model. <i>Neuro-Oncology</i> , 2018 , 20, 343-354	1	38
169	MIF Maintains the Tumorigenic Capacity of Brain Tumor-Initiating Cells by Directly Inhibiting p53. <i>Cancer Research</i> , 2016 , 76, 2813-23	10.1	38
168	Loss of E-cadherin promotes migration and invasion of cholangiocarcinoma cells and serves as a potential marker of metastasis. <i>Tumor Biology</i> , 2014 , 35, 8645-52	2.9	38
167	Characteristics of glioma stem cells. <i>Brain Tumor Pathology</i> , 2013 , 30, 209-14	3.2	38
166	Integrated analysis identifies different metabolic signatures for tumor-initiating cells in a murine glioblastoma model. <i>Neuro-Oncology</i> , 2014 , 16, 1048-56	1	37
165	Proteome profiling reveals gender differences in the composition of human serum. <i>Proteomics</i> , 2010 , 10, 2678-91	4.8	37

164	Synthetic lethality of the ALDH3A1 inhibitor dyclonine and xCT inhibitors in glutathione deficiency-resistant cancer cells. <i>Oncotarget</i> , 2018 , 9, 33832-33843	3.3	37
163	Glucose transporter 1-mediated vascular translocation of nanomedicines enhances accumulation and efficacy in solid tumors. <i>Journal of Controlled Release</i> , 2019 , 301, 28-41	11.7	36
162	Periostin Is a Key Niche Component for Wound Metastasis of Melanoma. <i>PLoS ONE</i> , 2015 , 10, e0129704	3.7	36
161	Osteopontin-mediated enhanced hyaluronan binding induces multidrug resistance in mesothelioma cells. <i>Oncogene</i> , 2010 , 29, 1941-51	9.2	36
160	Suppression of centrosome amplification after DNA damage depends on p27 accumulation. <i>Cancer Research</i> , 2006 , 66, 4020-9	10.1	36
159	Identification of CD44 as a cell surface marker for Müller glia precursor cells. <i>Journal of Neurochemistry</i> , 2010 , 115, 1633-42	6	34
158	Mad2 inhibits the mitotic kinesin MKlp2. <i>Journal of Cell Biology</i> , 2010 , 191, 1069-77	7.3	33
157	Serine protease Omi/HtrA2 targets WARTS kinase to control cell proliferation. <i>Oncogene</i> , 2007 , 26, 2395-406	4.06	32
156	Inhibiting xCT Improves 5-Fluorouracil Resistance of Gastric Cancer Induced by CD44 Variant 9 Expression. <i>Anticancer Research</i> , 2018 , 38, 6163-6170	2.3	32
155	In vivo pH monitoring using boron doped diamond microelectrode and silver needles: application to stomach disorder diagnosis. <i>Scientific Reports</i> , 2013 , 3, 3257	4.9	31
154	Glutaminolysis-related genes determine sensitivity to xCT-targeted therapy in head and neck squamous cell carcinoma. <i>Cancer Science</i> , 2019 , 110, 3453-3463	6.9	30
153	ROCK Inhibition Induces Terminal Adipocyte Differentiation and Suppresses Tumorigenesis in Chemoresistant Osteosarcoma Cells. <i>Cancer Research</i> , 2019 , 79, 3088-3099	10.1	30
152	Decreased expression of neurofibromin contributes to epithelial-mesenchymal transition in neurofibromatosis type 1. <i>Experimental Dermatology</i> , 2010 , 19, e136-41	4	30
151	CD44 Splice Variant v8-10 as a Marker of Serous Ovarian Cancer Prognosis. <i>PLoS ONE</i> , 2016 , 11, e0156595	3.7	30
150	Statins decrease lung inflammation in mice by upregulating tetraspanin CD9 in macrophages. <i>PLoS ONE</i> , 2013 , 8, e73706	3.7	29
149	The anaphase-promoting complex/cyclosome activator Cdh1 modulates Rho GTPase by targeting p190 RhoGAP for degradation. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3994-4005	4.8	29
148	CD44 variant 9 is a potential biomarker of tumor initiating cells predicting survival outcome in hepatitis C virus-positive patients with resected hepatocellular carcinoma. <i>Cancer Science</i> , 2016 , 107, 609-18	6.9	29
147	Phase 1 study of sulfasalazine and cisplatin for patients with CD44v-positive gastric cancer refractory to cisplatin (EPOC1407). <i>Gastric Cancer</i> , 2017 , 20, 1004-1009	7.6	28

146	EpCAM expression in the prostate cancer makes the difference in the response to growth factors. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 443, 239-45	3.4	28
145	Tumor necrosis factor- β modulates epithelial mesenchymal transition mediators ZEB2 and S100A4 to promote cholangiocarcinoma progression. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2014 , 21, 703-11	2.8	28
144	Anti-tumor effect against human cancer xenografts by a fully human monoclonal antibody to a variant 8-epitope of CD44R1 expressed on cancer stem cells. <i>PLoS ONE</i> , 2012 , 7, e29728	3.7	28
143	Development of a functional thyroid model based on an organoid culture system. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 497, 783-789	3.4	27
142	The use of next-generation sequencing in molecular diagnosis of neurofibromatosis type 1: a validation study. <i>Genetic Testing and Molecular Biomarkers</i> , 2014 , 18, 722-35	1.6	27
141	Phase I study of salazosulfapyridine in combination with cisplatin and pemetrexed for advanced non-small-cell lung cancer. <i>Cancer Science</i> , 2017 , 108, 1843-1849	6.9	27
140	INTERACTION BETWEEN CD44 AND HYALURONIC ACID REGULATES HUMAN PROSTATE CANCER DEVELOPMENT. <i>Journal of Urology</i> , 1998 , 160, 1562-1566	2.5	27
139	Sulfasalazine could modulate the CD44v9-xCT system and enhance cisplatin-induced cytotoxic effects in metastatic bladder cancer. <i>Cancer Science</i> , 2019 , 110, 1431-1441	6.9	26
138	Fibroblast growth factor-2 is an important factor that maintains cellular immaturity and contributes to aggressiveness of osteosarcoma. <i>Molecular Cancer Research</i> , 2012 , 10, 454-68	6.6	26
137	Acquired expression of NFATc1 downregulates E-cadherin and promotes cancer cell invasion. <i>Cancer Research</i> , 2013 , 73, 5100-9	10.1	26
136	Ink4a and Arf are crucial factors in the determination of the cell of origin and the therapeutic sensitivity of Myc-induced mouse lymphoid tumor. <i>Oncogene</i> , 2012 , 31, 2849-61	9.2	26
135	Molecular and cellular mechanisms underlying brain metastasis of breast cancer. <i>Cancer and Metastasis Reviews</i> , 2020 , 39, 711-720	9.6	25
134	Expression of CD24 is associated with HER2 expression and supports HER2-Akt signaling in HER2-positive breast cancer cells. <i>Cancer Science</i> , 2014 , 105, 779-87	6.9	25
133	Involvement of hyaluronan and its receptor CD44 with choroidal neovascularization 2009 , 50, 4410-5		25
132	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
131	cRGD peptide installation on cisplatin-loaded nanomedicines enhances efficacy against locally advanced head and neck squamous cell carcinoma bearing cancer stem-like cells. <i>Journal of Controlled Release</i> , 2017 , 261, 275-286	11.7	24
130	Oncogenicity of L-type amino-acid transporter 1 (LAT1) revealed by targeted gene disruption in chicken DT40 cells: LAT1 is a promising molecular target for human cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 406, 649-55	3.4	24
129	Variant CD44 expression is enriching for a cell population with cancer stem cell-like characteristics in human lung adenocarcinoma. <i>Journal of Cancer</i> , 2017 , 8, 1774-1785	4.5	23

128	The Arf/p53 protein module, which induces apoptosis, down-regulates histone H2AX to allow normal cells to survive in the presence of anti-cancer drugs. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13269-77	5.4	23
127	Twist2 functions as a tumor suppressor in murine osteosarcoma cells. <i>Cancer Science</i> , 2013 , 104, 880-8	6.9	23
126	Blocking COX-2 induces apoptosis and inhibits cell proliferation via the Akt/survivin- and Akt/ID3 pathway in low-grade-glioma. <i>Journal of Neuro-Oncology</i> , 2017 , 132, 231-238	4.8	22
125	RNA Sequencing Analysis Reveals Interactions between Breast Cancer or Melanoma Cells and the Tissue Microenvironment during Brain Metastasis. <i>BioMed Research International</i> , 2017 , 2017, 8032910	3	22
124	Generation of heterozygous fibrillin-1 mutant cloned pigs from genome-edited foetal fibroblasts. <i>Scientific Reports</i> , 2016 , 6, 24413	4.9	22
123	Ropinirole hydrochloride remedy for amyotrophic lateral sclerosis - Protocol for a randomized, double-blind, placebo-controlled, single-center, and open-label continuation phase I/IIa clinical trial (ROPALS trial). <i>Regenerative Therapy</i> , 2019 , 11, 143-166	3.7	22
122	Three-dimensional culture of sebaceous gland cells revealing the role of prostaglandin E2-induced activation of canonical Wnt signaling. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 438, 640-6	3.4	22
121	TSPAN2 is involved in cell invasion and motility during lung cancer progression. <i>Cell Reports</i> , 2014 , 7, 527-538	10.6	22
120	Katanin p60 contributes to microtubule instability around the midbody and facilitates cytokinesis in rat cells. <i>PLoS ONE</i> , 2013 , 8, e80392	3.7	22
119	Variant isoforms of CD44 involves acquisition of chemoresistance to cisplatin and has potential as a novel indicator for identifying a cisplatin-resistant population in urothelial cancer. <i>BMC Cancer</i> , 2018 , 18, 113	4.8	21
118	Methotrexate inhibits osteoclastogenesis by decreasing RANKL-induced calcium influx into osteoclast progenitors. <i>Journal of Bone and Mineral Metabolism</i> , 2016 , 34, 526-31	2.9	20
117	ZEB1 expression is a potential indicator of invasive endometriosis. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017 , 96, 1128-1135	3.8	20
116	Development of an ErbB4 monoclonal antibody that blocks neuregulin-1-induced ErbB4 activation in cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 470, 239-244	3.4	20
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