

Dae-Sik Lim

List of Publications by Year in descending order

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125
papers

15,110
citations

28274

55
h-index

22166

113
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126
all docs

126
docs citations

126
times ranked

19748
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the ATM Kinase by Ionizing Radiation and Phosphorylation of p53. , 1998, 281, 1677-1679.		1,754
2	Embryonic lethality and radiation hypersensitivity mediated by Rad51 in mice lacking Brca2. Nature, 1997, 386, 804-810.	27.8	995
3	ATM phosphorylates p95/nbs1 in an S-phase checkpoint pathway. Nature, 2000, 404, 613-617.	27.8	738
4	The many substrates and functions of ATM. Nature Reviews Molecular Cell Biology, 2000, 1, 179-186.	37.0	691
5	Substrate Specificities and Identification of Putative Substrates of ATM Kinase Family Members. Journal of Biological Chemistry, 1999, 274, 37538-37543.	3.4	677
6	Two Molecularly Distinct G 2 /M Checkpoints Are Induced by Ionizing Irradiation. Molecular and Cellular Biology, 2002, 22, 1049-1059.	2.3	449
7	Mst1 inhibits autophagy by promoting the interaction between Beclin1 and Bcl-2. Nature Medicine, 2013, 19, 1478-1488.	30.7	426
8	Cellular energy stress induces AMPK-mediated regulation of YAP and the Hippo pathway. Nature Cell Biology, 2015, 17, 500-510.	10.3	421
9	The Hippoâ€“Salvador pathway restrains hepatic oval cell proliferation, liver size, and liver tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8248-8253.	7.1	416
10	Ku86-Deficient Mice Exhibit Severe Combined Immunodeficiency and Defective Processing of V(D)J Recombination Intermediates. Cell, 1996, 86, 379-389.	28.9	413
11	Caspase-3-dependent Cleavage of Bcl-2 Promotes Release of Cytochrome c. Journal of Biological Chemistry, 1999, 274, 21155-21161.	3.4	390
12	Deletion of Ku86 causes early onset of senescence in mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10770-10775.	7.1	350
13	ER71 Acts Downstream of BMP, Notch, and Wnt Signaling in Blood and Vessel Progenitor Specification. Cell Stem Cell, 2008, 2, 497-507.	11.1	294
14	The tumour suppressor RASSF1A regulates mitosis by inhibiting the APCâ€“Cdc20 complex. Nature Cell Biology, 2004, 6, 129-137.	10.3	287
15	YAP/TAZ regulates sprouting angiogenesis and vascular barrier maturation. Journal of Clinical Investigation, 2017, 127, 3441-3461.	8.2	282
16	Yap- and Cdc42-Dependent Nephrogenesis and Morphogenesis during Mouse Kidney Development. PLoS Genetics, 2013, 9, e1003380.	3.5	239
17	Transcriptional Co-repressor Function of the Hippo Pathway Transducers YAP and TAZ. Cell Reports, 2015, 11, 270-282.	6.4	234
18	A functional interaction between Hippo-YAP signalling and FoxO1 mediates the oxidative stress response. Nature Communications, 2014, 5, 3315.	12.8	209

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19	A crucial role of WW45 in developing epithelial tissues in the mouse. <i>EMBO Journal</i> , 2008, 27, 1231-1242.	7.8	181
20	SOX2 Regulates YAP1 to Maintain Stemness and Determine Cell Fate in the Osteo-Adipo Lineage. <i>Cell Reports</i> , 2013, 3, 2075-2087.	6.4	180
21	cAMP/PKA signalling reinforces the LATSâ€“YAP pathway to fully suppress YAP in response to actin cytoskeletal changes. <i>EMBO Journal</i> , 2013, 32, 1543-1555.	7.8	177
22	ATM binds to Â-adaptin in cytoplasmic vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10146-10151.	7.1	175
23	Role of the Tumor Suppressor RASSF1A in Mst1-Mediated Apoptosis. <i>Cancer Research</i> , 2006, 66, 2562-2569.	0.9	167
24	Analysis of <i>ku80</i>-Mutant Mice and Cells with Deficient Levels of p53. <i>Molecular and Cellular Biology</i> , 2000, 20, 3772-3780.	2.3	160
25	LATS-YAP/TAZ controls lineage specification by regulating TGFÎ² signaling and Hnf4Î± expression during liver development. <i>Nature Communications</i> , 2016, 7, 11961.	12.8	155
26	The role of ATM in DNA damage responses and cancer. <i>Oncogene</i> , 1998, 17, 3301-3308.	5.9	154
27	Ionizing radiation activates the ATM kinase throughout the cell cycle. <i>Oncogene</i> , 2000, 19, 1386-1391.	5.9	151
28	A basal-like breast cancer-specific role for SRFâ€“IL6 in YAP-induced cancer stemness. <i>Nature Communications</i> , 2015, 6, 10186.	12.8	144
29	TMPRSS4 promotes invasion, migration and metastasis of human tumor cells by facilitating an epithelialâ€“mesenchymal transition. <i>Oncogene</i> , 2008, 27, 2635-2647.	5.9	136
30	Hippo-mediated suppression of IRS2/AKT signaling prevents hepatic steatosis and liver cancer. <i>Journal of Clinical Investigation</i> , 2018, 128, 1010-1025.	8.2	133
31	Hippo effector YAP directly regulates the expression of PD-L1 transcripts in EGFR-TKI-resistant lung adenocarcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 493-499.	2.1	127
32	Structural insight into dimeric interaction of the SARAH domains from Mst1 and RASSF family proteins in the apoptosis pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9236-9241.	7.1	124
33	The tumour suppressor RASSF1A promotes MDM2 self-ubiquitination by disrupting the MDM2â€“DAXXâ€“HAUSP complex. <i>EMBO Journal</i> , 2008, 27, 1863-1874.	7.8	121
34	Crucial Role for Mst1 and Mst2 Kinases in Early Embryonic Development of the Mouse. <i>Molecular and Cellular Biology</i> , 2009, 29, 6309-6320.	2.3	115
35	YAP/TAZ Initiates Gastric Tumorigenesis via Upregulation of MYC. <i>Cancer Research</i> , 2018, 78, 3306-3320.	0.9	114
36	Mst1-FoxO Signaling Protects Naïve T Lymphocytes from Cellular Oxidative Stress in Mice. <i>PLoS ONE</i> , 2009, 4, e8011.	2.5	107

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37	Prostaglandin E2 Activates YAP and a Positive-Signaling Loop to Promote Colon Regeneration After Colitis but Also Carcinogenesis in Mice. <i>Gastroenterology</i> , 2017, 152, 616-630.	1.3	104
38	SKP2 and CKS1 Promote Degradation of Cell Cycle Regulators and Are Associated With Hepatocellular Carcinoma Prognosis. <i>Gastroenterology</i> , 2009, 137, 1816-1826.e10.	1.3	95
39	<scp>MRTF</scp> potentiates <scp>TEAD</scp>â€™<scp>YAP</scp> transcriptional activity causing metastasis. <i>EMBO Journal</i> , 2017, 36, 520-535.	7.8	90
40	MST1 functions as a key modulator of neurodegeneration in a mouse model of ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12066-12071.	7.1	84
41	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. <i>Circulation Research</i> , 2019, 124, 292-305.	4.5	82
42	Pancreatic adenocarcinoma upregulated factor promotes metastasis by regulating TLR/CXCR4 activation. <i>Oncogene</i> , 2011, 30, 201-211.	5.9	78
43	Feeding and Fasting Signals Converge on the LKB1-SIK3 Pathway to Regulate Lipid Metabolism in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2015, 11, e1005263.	3.5	76
44	Predisposition to Cancer Caused by Genetic and Functional Defects of Mammalian Atad5. <i>PLoS Genetics</i> , 2011, 7, e1002245.	3.5	73
45	Hippo-Foxa2 signaling pathway plays a role in peripheral lung maturation and surfactant homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7732-7737.	7.1	73
46	ER71 specifies Flk-1+ hemangiogenic mesoderm by inhibiting cardiac mesoderm and Wnt signaling. <i>Blood</i> , 2012, 119, 3295-3305.	1.4	71
47	Tumor Suppressor Ras Association Domain Family 5 (RASSF5/NORE1) Mediates Death Receptor Ligand-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2010, 285, 35029-35038.	3.4	70
48	The Hippo pathway effector TAZ induces TEAD-dependent liver inflammation and tumors. <i>Science Signaling</i> , 2018, 11, .	3.6	68
49	Induction of AP-1 by YAP/TAZ contributes to cell proliferation and organ growth. <i>Genes and Development</i> , 2020, 34, 72-86.	5.9	68
50	YAP and TAZ Negatively Regulate Prox1 During Developmental and Pathologic Lymphangiogenesis. <i>Circulation Research</i> , 2019, 124, 225-242.	4.5	67
51	An HDAC inhibitor, trichostatin A, induces a delay at G2/M transition, slippage of spindle checkpoint, and cell death in a transcription-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 326-331.	2.1	66
52	Real-time single-molecule co-immunoprecipitation analyses reveal cancer-specific Ras signalling dynamics. <i>Nature Communications</i> , 2013, 4, 1505.	12.8	66
53	A MST1â€™FOXO1 cascade establishes endothelial tip cell polarity and facilitates sprouting angiogenesis. <i>Nature Communications</i> , 2019, 10, 838.	12.8	65
54	The MST1/2-SAV1 complex of the Hippo pathway promotes ciliogenesis. <i>Nature Communications</i> , 2014, 5, 5370.	12.8	64

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55	The Hippo-Salvador signaling pathway regulates renal tubulointerstitial fibrosis. <i>Scientific Reports</i> , 2016, 6, 31931.	3.3	62
56	Skp2 regulates the antiproliferative function of the tumor suppressor RASSF1A via ubiquitin-mediated degradation at the G1→S transition. <i>Oncogene</i> , 2008, 27, 3176-3185.	5.9	61
57	Mechanical cue-induced <sc>YAP</sc> instructs Skp2-dependent cell cycle exit and oncogenic signaling. <i>EMBO Journal</i> , 2017, 36, 2510-2528.	7.8	58
58	The Centrosomal Protein RAS Association Domain Family Protein 1A (RASSF1A)-binding Protein 1 Regulates Mitotic Progression by Recruiting RASSF1A to Spindle Poles. <i>Journal of Biological Chemistry</i> , 2005, 280, 3920-3927.	3.4	57
59	Role of the tumor suppressor RASSF2 in regulation of MST1 kinase activity. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 969-973.	2.1	57
60	Injury-Mediated Vascular Regeneration Requires Endothelial ER71/ETV2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 86-96.	2.4	54
61	PAUF functions in the metastasis of human pancreatic cancer cells and upregulates CXCR4 expression. <i>Oncogene</i> , 2010, 29, 56-67.	5.9	53
62	Distinct functions of Nijmegen breakage syndrome in ataxia telangiectasia mutated-dependent responses to DNA damage. <i>Molecular Cancer Research</i> , 2003, 1, 674-81.	3.4	53
63	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. <i>Journal of Clinical Investigation</i> , 2016, 126, 4125-4139.	8.2	50
64	Aurora A Regulates Prometaphase Progression by Inhibiting the Ability of RASSF1A to Suppress APC-Cdc20 Activity. <i>Cancer Research</i> , 2009, 69, 2314-2323.	0.9	49
65	Multiple Signaling Pathways Involving ATM. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2000, 65, 521-526.	1.1	48
66	MST1 Limits the Kinase Activity of Aurora B to Promote Stable Kinetochores-Microtubule Attachment. <i>Current Biology</i> , 2010, 20, 416-422.	3.9	48
67	Mouse emi1 Has an Essential Function in Mitotic Progression during Early Embryogenesis. <i>Molecular and Cellular Biology</i> , 2006, 26, 5373-5381.	2.3	47
68	Reversing the Intractable Nature of Pancreatic Cancer by Selectively Targeting ALDH-High, Therapy-Resistant Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e78130.	2.5	47
69	Role of Angiomin-like 2 mono-ubiquitination on YAP inhibition. <i>EMBO Reports</i> , 2016, 17, 64-78.	4.5	46
70	Daxx mediates activation-induced cell death in microglia by triggering MST1 signalling. <i>EMBO Journal</i> , 2011, 30, 2465-2476.	7.8	44
71	An evolutionarily conserved negative feedback mechanism in the Hippo pathway reflects functional difference between LATS1 and LATS2. <i>Oncotarget</i> , 2016, 7, 24063-24075.	1.8	42
72	Thioredoxin-1 functions as a molecular switch regulating the oxidative stress-induced activation of MST1. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2335-2343.	2.9	38

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73	Mammalian Ste20-like Kinase 1 Suppresses Lymphoma Development by Promoting Faithful Chromosome Segregation. <i>Cancer Research</i> , 2012, 72, 5386-5395.	0.9	37
74	NDR1-Dependent Regulation of Kindlin-3 Controls High-Affinity LFA-1 Binding and Immune Synapse Organization. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	37
75	Aurora B-Mediated Phosphorylation of RASSF1A Maintains Proper Cytokinesis by Recruiting Syntaxin16 to the Midzone and Midbody. <i>Cancer Research</i> , 2009, 69, 8540-8544.	0.9	36
76	Cancer-Upregulated Gene 2 (CUG2), a New Component of Centromere Complex, Is Required for Kinetochore Function. <i>Molecules and Cells</i> , 2009, 27, 697-702.	2.6	36
77	Cross-Regulation between Oncogenic BRAFV600E Kinase and the MST1 Pathway in Papillary Thyroid Carcinoma. <i>PLoS ONE</i> , 2011, 6, e16180.	2.5	36
78	Ablation of Rassf2 induces bone defects and subsequent haematopoietic anomalies in mice. <i>EMBO Journal</i> , 2012, 31, 1147-1159.	7.8	36
79	LATS1 but not LATS2 represses autophagy by a kinase-independent scaffold function. <i>Nature Communications</i> , 2019, 10, 5755.	12.8	36
80	Distinct fibroblast subsets regulate lacteal integrity through YAP/TAZ-induced VEGF-C in intestinal villi. <i>Nature Communications</i> , 2020, 11, 4102.	12.8	36
81	YAP/TAZ direct commitment and maturation of lymph node fibroblastic reticular cells. <i>Nature Communications</i> , 2020, 11, 519.	12.8	35
82	Transcription Factors ER71/ETV2 and SOX9 Participate in a Positive Feedback Loop in Fetal and Adult Mouse Testis. <i>Journal of Biological Chemistry</i> , 2012, 287, 23657-23666.	3.4	32
83	Association of hepatitis B virus polymerase with promyelocytic leukemia nuclear bodies mediated by the S100 family protein p11. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 1049-1056.	2.1	29
84	The Er71 Is an Important Regulator of Hematopoietic Stem Cells in Adult Mice. <i>Stem Cells</i> , 2011, 29, 539-548.	3.2	27
85	YAP and AP-1 Cooperate to Initiate Pancreatic Cancer Development from Ductal Cells in Mice. <i>Cancer Research</i> , 2020, 80, 4768-4779.	0.9	27
86	Chromatin Association of Rad17 Is Required for an Ataxia Telangiectasia and Rad-Related Kinase-Mediated S-Phase Checkpoint in Response to Low-Dose Ultraviolet Radiation. <i>Molecular Cancer Research</i> , 2004, 2, 362-369.	3.4	27
87	RAF kinase inhibitor-independent constitutive activation of Yes-associated protein 1 promotes tumor progression in thyroid cancer. <i>Oncogenesis</i> , 2013, 2, e55-e55.	4.9	26
88	The Mammalian Ste20-like Kinase 2 (Mst2) Modulates Stress-induced Cardiac Hypertrophy. <i>Journal of Biological Chemistry</i> , 2014, 289, 24275-24288.	3.4	26
89	Mst2 Controls Bone Homeostasis by Regulating Osteoclast and Osteoblast Differentiation. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1597-1607.	2.8	26
90	Control of APC-Cdc20 by the Tumor Suppressor RASSF1A. <i>Cell Cycle</i> , 2004, 3, 572-574.	2.6	22

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91	RASSF1A is not appropriate as an early detection marker or a prognostic marker for non-small cell lung cancer. <i>International Journal of Cancer</i> , 2005, 115, 575-581.	5.1	22
92	The E3 ubiquitin ligase CHIP selectively regulates mutant epidermal growth factor receptor by ubiquitination and degradation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 152-158.	2.1	21
93	The SRF-YAP-IL6 axis promotes breast cancer stemness. <i>Cell Cycle</i> , 2016, 15, 1311-1312.	2.6	21
94	BIG2-ARF1-RhoA-mDia1 Signaling Regulates Dendritic Golgi Polarization in Hippocampal Neurons. <i>Molecular Neurobiology</i> , 2018, 55, 7701-7716.	4.0	21
95	Hippo Pathway Kinase Mst1 Is Required for Long-Lived Humoral Immunity. <i>Journal of Immunology</i> , 2019, 202, 69-78.	0.8	21
96	The protease inhibitor, elafin, induces p53-dependent apoptosis in human melanoma cells. <i>International Journal of Cancer</i> , 2010, 127, 1308-1320.	5.1	20
97	Differential Expression of NF2 in Neuroepithelial Compartments Is Necessary for Mammalian Eye Development. <i>Developmental Cell</i> , 2018, 44, 13-28.e3.	7.0	20
98	Negative Feedback Regulation of Aurora-A via Phosphorylation of Fas-associated Factor-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 32344-32351.	3.4	19
99	Depletion of MOB1A/B causes intestinal epithelial degeneration by suppressing Wnt activity and activating BMP/TGF- β 2 signaling. <i>Cell Death and Disease</i> , 2018, 9, 1083.	6.3	17
100	Construction of two pGEM-7Zf(+) phagemid T-tail vectors using AhdI-restriction endonuclease sites for direct cloning of PCR products. <i>Plasmid</i> , 2002, 48, 160-163.	1.4	15
101	T-type calcium channel trigger p21ras signaling pathway to ERK in Cav3.1-expressed HEK293 cells. <i>Brain Research</i> , 2005, 1054, 22-29.	2.2	14
102	Insulin receptor substrate 2: a bridge between Hippo and AKT pathways. <i>BMB Reports</i> , 2018, 51, 209-210.	2.4	14
103	Dual role of Nbs1 in the ataxia telangiectasia mutated-dependent DNA damage response. <i>FEBS Journal</i> , 2006, 273, 1630-1636.	4.7	12
104	Genetic ablation of the mammalian sterile-20 like kinase 1 (Mst1) improves cell reprogramming efficiency and increases induced pluripotent stem cell proliferation and survival. <i>Stem Cell Research</i> , 2017, 20, 42-49.	0.7	12
105	The Hippo kinase LATS2 impairs pancreatic β -cell survival in diabetes through the mTORC1-autophagy axis. <i>Nature Communications</i> , 2021, 12, 4928.	12.8	12
106	WWC1 and NF2 Prevent the Development of Intrahepatic Cholangiocarcinoma by Regulating YAP/TAZ Activity through LATS in Mice. <i>Molecules and Cells</i> , 2020, 43, 491-499.	2.6	12
107	Analysis of ataxia-telangiectasia mutated (ATM)- and Nijmegen breakage syndrome (NBS)-regulated gene expression patterns. <i>Journal of Cancer Research and Clinical Oncology</i> , 2004, 130, 225-234.	2.5	11
108	A novel role for methyl CpG-binding domain protein 3, a component of the histone deacetylase complex, in regulation of cell cycle progression and cell death. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 332-337.	2.1	11

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109	Mammalian sterile 20 kinase 1 and 2 are important regulators of hematopoietic stem cells in stress condition. <i>Scientific Reports</i> , 2018, 8, 942.	3.3	11
110	Male-like sexual behavior of female mouse lacking fucose mutarotase. <i>BMC Genetics</i> , 2010, 11, 62.	2.7	10
111	Retrotransposon-specific DNA hypomethylation and two-step loss-of-imprinting during WW45 haploinsufficiency-induced hepatocarcinogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 728-734.	2.1	10
112	The novel YAP target gene, SGK1, upregulates TAZ activity by blocking GSK3 β -mediated TAZ destabilization. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 650-656.	2.1	10
113	TRAF6-mediated ubiquitination of MST1/STK4 attenuates the TLR4-NF- κ B signaling pathway in macrophages. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2315-2328.	5.4	10
114	Control of APC-Cdc20 by the tumor suppressor RASSF1A. <i>Cell Cycle</i> , 2004, 3, 574-6.	2.6	9
115	SURF4 has oncogenic potential in NIH3T3 cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 43-47.	2.1	8
116	Airway secretory cell fate conversion via YAP β -mTORC1 β -dependent essential amino acid metabolism. <i>EMBO Journal</i> , 2022, 41, e109365.	7.8	6
117	Mouse Hepatic Tumor Vascular Imaging by Experimental Selective Angiography. <i>PLoS ONE</i> , 2015, 10, e0131687.	2.5	5
118	Citron kinase interacts with LATS2 and inhibits its activity by occluding its hydrophobic phosphorylation motif. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 1006-1017.	3.3	4
119	Sensorless Speed Control of Diesel-Generator Systems Based on Multiple SOGI-FLLs. , 2018, , .		2
120	Hippo and Mouse Models for Cancer. , 2013, , 225-247.		2
121	AMOTL2 mono-ubiquitination by WWP1 promotes contact inhibition by facilitating LATS activation. <i>Life Science Alliance</i> , 2021, 4, e202000953.	2.8	1
122	In Situ Quantitative Imaging of Single-Molecule Co-Immunoprecipitation. <i>Biophysical Journal</i> , 2012, 102, 600a.	0.5	0
123	577: Lats1 knockout mouse model recapitulating human dedifferentiated liposarcoma. <i>European Journal of Cancer</i> , 2014, 50, S139.	2.8	0
124	Differential Expression of NF2 in Neuroepithelial Compartments Is Necessary for Mammalian Eye Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
125	Abstract IA09: The crosstalk between Hippo-YAP/TAZ and PTEN-AKT signaling in liver metabolic dysregulation and tumorigenesis. , 2020, , .		0