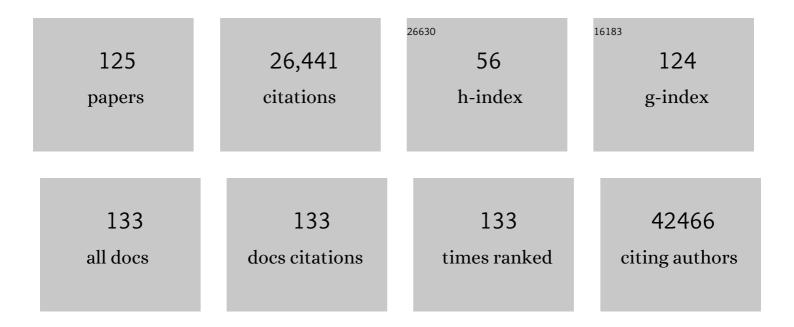
List of Publications by Year in descending order

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ILIN-LIN CILAN

#	Article	IF	CITATIONS
1	Enhanced autophagy in <i>Becn1^{F121A/F121A}</i> knockin mice counteracts aging-related neural stem cell exhaustion and dysfunction. Autophagy, 2022, 18, 409-422.	9.1	19
2	Biglycan Promotes Cancer Stem Cell Properties, NFκB Signaling and Metastatic Potential in Breast Cancer Cells. Cancers, 2022, 14, 455.	3.7	9
3	Supercritical fluid chromatography-mass spectrometry enables simultaneous measurement of all phosphoinositide regioisomers. Communications Chemistry, 2022, 5, .	4.5	3
4	Autophagy in PDGFRα+ mesenchymal cells is essential for intestinal stem cell survival. Proceedings of the United States of America, 2022, 119, e2202016119.	7.1	8
5	Autophagy Blockade Limits HER2+ Breast Cancer Tumorigenesis by Perturbing HER2 Trafficking and Promoting Release Via Small Extracellular Vesicles. Developmental Cell, 2021, 56, 341-355.e5.	7.0	25
6	The deacetylation-phosphorylation regulation of SIRT2-SMC1A axis as a mechanism of antimitotic catastrophe in early tumorigenesis. Science Advances, 2021, 7, .	10.3	17
7	Functional cooperation between co-amplified genes promotes aggressive phenotypes of HER2-positive breast cancer. Cell Reports, 2021, 34, 108822.	6.4	10
8	Autophagy mediated lipid catabolism facilitates glioma progression to overcome bioenergetic crisis. British Journal of Cancer, 2021, 124, 1711-1723.	6.4	9
9	Autophagy inhibition perturbs ERBB2 trafficking and abolishes tumorigenesis in ERBB2-driven breast cancer. Autophagy, 2021, 17, 1059-1060.	9.1	3
10	Direct homophilic interaction of LAMP2A with the two-domain architecture revealed by site-directed photo-crosslinks and steric hindrances in mammalian cells. Autophagy, 2021, 17, 4286-4304.	9.1	9
11	Selective MAP1LC3C (LC3C) autophagy requires noncanonical regulators and the C-terminal peptide. Journal of Cell Biology, 2021, 220, .	5.2	10
12	FIP200 restricts RNA virus infection by facilitating RIG-I activation. Communications Biology, 2021, 4, 921.	4.4	4
13	Heterogeneity within molecular subtypes of breast cancer. American Journal of Physiology - Cell Physiology, 2021, 321, C343-C354.	4.6	43
14	Simultaneous Zn2+ tracking in multiple organelles using super-resolution morphology-correlated organelle identification in living cells. Nature Communications, 2021, 12, 109.	12.8	71
15	Prefused lysosomes cluster on autophagosomes regulated by VAMP8. Cell Death and Disease, 2021, 12, 939.	6.3	31
16	Non-canonical function of FIP200 is required for neural stem cell maintenance and differentiation by limiting TBK1 activation and p62 aggregate formation. Scientific Reports, 2021, 11, 23907.	3.3	7
17	Autophagy promotes growth of tumors with high mutational burden by inhibiting a T-cell immune response. Nature Cancer, 2020, 1, 923-934.	13.2	67
18	Autophagy Is Required for Maturation of Surfactant-Containing Lamellar Bodies in the Lung and Swim Bladder. Cell Reports, 2020, 33, 108477.	6.4	25

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19	FAK activates AKT-mTOR signaling to promote the growth and progression of MMTV-Wnt1-driven basal-like mammary tumors. Breast Cancer Research, 2020, 22, 59.	5.0	25
20	Super-resolution observation of lysosomal dynamics with fluorescent gold nanoparticles. Theranostics, 2020, 10, 6072-6081.	10.0	43
21	FIP200 Suppresses Immune Checkpoint Therapy Responses in Breast Cancers by Limiting AZI2/TBK1/IRF Signaling Independent of Its Canonical Autophagy Function. Cancer Research, 2020, 80, 3580-3592.	0.9	19
22	Tsg101 positively regulates P62-Keap1-Nrf2 pathway to protect hearts against oxidative damage. Redox Biology, 2020, 32, 101453.	9.0	34
23	Streptococcus pneumoniae triggers hierarchical autophagy through reprogramming of LAPosome-like vesicles via NDP52-delocalization. Communications Biology, 2020, 3, 25.	4.4	17
24	FAK signaling in cancer-associated fibroblasts promotes breast cancer cell migration and metastasis by exosomal miRNAs-mediated intercellular communication. Oncogene, 2020, 39, 2539-2549.	5.9	105
25	Targeted therapy for mTORC1-driven tumours through HDAC inhibition by exploiting innate vulnerability of mTORC1 hyper-activation. British Journal of Cancer, 2020, 122, 1791-1802.	6.4	11
26	Quantitative analysis of interactive behavior of mitochondria and lysosomes using structured illumination microscopy. Biomaterials, 2020, 250, 120059.	11.4	77
27	<scp>FAK</scp> Promotes Early Osteoprogenitor Cell Proliferation by Enhancing <scp>mTORC1</scp> Signaling. Journal of Bone and Mineral Research, 2020, 35, 1798-1811.	2.8	6
28	Role of FIP200 in inflammatory processes beyond its canonical autophagy function. Biochemical Society Transactions, 2020, 48, 1599-1607.	3.4	5
29	Autophagic adaptation to oxidative stress alters peritoneal residential macrophage survival and ovarian cancer metastasis. JCI Insight, 2020, 5, .	5.0	59
30	Single-cell RNA-sequencing reveals distinct patterns of cell state heterogeneity in mouse models of breast cancer. ELife, 2020, 9, .	6.0	42
31	Regulation of immune checkpoint blockade efficacy in breast cancer by FIP200: A canonical-autophagy-independent function. Cell Stress, 2020, 4, 216-217.	3.2	1
32	PYK2 Is Involved in Premalignant Acinar Cell Reprogramming and Pancreatic Ductal Adenocarcinoma Maintenance by Phosphorylating β-CateninY654. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 561-578.	4.5	11
33	Autophagy Regulates Craniofacial Bone Acquisition. Calcified Tissue International, 2019, 105, 518-530.	3.1	13
34	Selective Autophagy of Mitochondria on a Ubiquitin-Endoplasmic-Reticulum Platform. Developmental Cell, 2019, 50, 627-643.e5.	7.0	101
35	Autophagic lipid metabolism sustains mTORC1 activity in TSC-deficient neural stem cells. Nature Metabolism, 2019, 1, 1127-1140.	11.9	21
36	The ALS-FTD-linked gene product, C9orf72, regulates neuronal morphogenesis via autophagy. Autophagy, 2019, 15, 827-842.	9.1	64

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37	Nuclear Focal Adhesion Kinase Controls Vascular Smooth Muscle Cell Proliferation and Neointimal Hyperplasia Through GATA4-Mediated Cyclin D1 Transcription. Circulation Research, 2019, 125, 152-166.	4.5	47
38	Histone H3 trimethylation at lysine 36 guides m6A RNA modification co-transcriptionally. Nature, 2019, 567, 414-419.	27.8	452
39	AMPK Inhibits ULK1-Dependent Autophagosome Formation and Lysosomal Acidification via Distinct Mechanisms. Molecular and Cellular Biology, 2018, 38, .	2.3	71
40	Recognition of RNA N6-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. Nature Cell Biology, 2018, 20, 285-295.	10.3	1,650
41	Molecular mechanisms of <i>Streptococcus pneumoniae</i> â€targeted autophagy via pneumolysin, Golgiâ€resident Rab41, and Nedd4â€1â€mediated K63â€linked ubiquitination. Cellular Microbiology, 2018, 20, e12846.	2.1	39
42	Nuclear FAK and its kinase activity regulate VEGFR2 transcription in angiogenesis of adult mice. Scientific Reports, 2018, 8, 2550.	3.3	41
43	Cx26 drives self-renewal in triple-negative breast cancer via interaction with NANOG and focal adhesion kinase. Nature Communications, 2018, 9, 578.	12.8	60
44	The autophagy-inducing kinases, ULK1 and ULK2, regulate axon guidance in the developing mouse forebrain via a noncanonical pathway. Autophagy, 2018, 14, 796-811.	9.1	71
45	miR-200c/141 Regulates Breast Cancer Stem Cell Heterogeneity via Targeting HIPK1/β-Catenin Axis. Theranostics, 2018, 8, 5801-5813.	10.0	54
46	Superâ€Resolution Tracking of Mitochondrial Dynamics with An Iridium(III) Luminophore. Small, 2018, 14, e1802166.	10.0	89
47	Improved efficacy of mitochondrial disrupting agents upon inhibition of autophagy in a mouse model of BRCA1-deficient breast cancer. Autophagy, 2018, 14, 1214-1225.	9.1	33
48	<i>Tsc1</i> Regulates the Balance Between Osteoblast and Adipocyte Differentiation Through Autophagy/Notch1/β-Catenin Cascade. Journal of Bone and Mineral Research, 2018, 33, 2021-2034.	2.8	45
49	Autophagy is dispensable for <i>Kmt2a/Mll-Mllt3/Af9</i> AML maintenance and anti-leukemic effect of chloroquine. Autophagy, 2017, 13, 955-966.	9.1	43
50	Autophagy gene FIP200 in neural progenitors non–cell autonomously controls differentiation by regulating microglia. Journal of Cell Biology, 2017, 216, 2581-2596.	5.2	32
51	LC3-association with the parasitophorous vacuole membrane of <i>Plasmodium berghei</i> liver stages follows a noncanonical autophagy pathway. Cellular Microbiology, 2017, 19, e12754.	2.1	46
52	Breast Cancer: Multiple Subtypes within a Tumor?. Trends in Cancer, 2017, 3, 753-760.	7.4	253
53	Male germline recombination of a conditional allele by the widely used Dermo1 re (Twist2 re) transgene. Genesis, 2017, 55, e23048.	1.6	11
54	Suppression of FIP200 and autophagy by tumor-derived lactate promotes naÃ⁻ve T cell apoptosis and affects tumor immunity. Science Immunology, 2017, 2, .	11.9	83

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55	HGFL-mediated RON signaling supports breast cancer stem cell phenotypes via activation of non-canonical β-catenin signaling. Oncotarget, 2017, 8, 58918-58933.	1.8	21
56	Elevated p62/SQSTM1 determines the fate of autophagy-deficient neural stem cells by increasing superoxide. Journal of Cell Biology, 2016, 212, 545-560.	5.2	54
57	Neuronal Wiskottâ€Aldrich syndrome protein regulates TGFâ€Î²1â€mediated lung vascular permeability. FASEB Journal, 2016, 30, 2557-2569.	0.5	12
58	Autophagy Differentially Regulates Distinct Breast Cancer Stem-like Cells in Murine Models via EGFR/Stat3 and Tgfl²/Smad Signaling. Cancer Research, 2016, 76, 3397-3410.	0.9	111
59	Impaired autophagy in macrophages promotes inflammatory eye disease. Autophagy, 2016, 12, 1876-1885.	9.1	58
60	Hierarchical heterogeneity in mammary tumors and its regulation by autophagy. Autophagy, 2016, 12, 1960-1961.	9.1	17
61	FAK Promotes Osteoblast Progenitor Cell Proliferation and Differentiation by Enhancing Wnt Signaling. Journal of Bone and Mineral Research, 2016, 31, 2227-2238.	2.8	57
62	Modeling lymphangiosarcoma in mice. Cell Cycle, 2016, 15, 1801-1802.	2.6	2
63	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
64	Distinct roles of autophagy-dependent and -independent functions of FIP200 revealed by generation and analysis of a mutant knock-in mouse model. Genes and Development, 2016, 30, 856-869.	5.9	67
65	Autophagy Genes Enhance Murine Gammaherpesvirus 68 Reactivation from Latency by Preventing Virus-Induced Systemic Inflammation. Cell Host and Microbe, 2016, 19, 91-101.	11.0	56
66	An EGFR/Src-dependent β4 integrin/FAK complex contributes to malignancy of breast cancer. Scientific Reports, 2015, 5, 16408.	3.3	52
67	Neural Crest-Specific TSC1 Deletion in Mice Leads to Sclerotic Craniofacial Bone Lesion. Journal of Bone and Mineral Research, 2015, 30, 1195-1205.	2.8	34
68	Blocking tumor growth by targeting autophagy and SQSTM1 in vivo. Autophagy, 2015, 11, 854-855.	9.1	19
69	Constitutive Activation of mTORC1 in Endothelial Cells Leads to the Development and Progression of Lymphangiosarcoma through VEGF Autocrine Signaling. Cancer Cell, 2015, 28, 758-772.	16.8	53
70	Autophagy inhibition re-sensitizes pulse stimulation-selected paclitaxel-resistant triple negative breast cancer cells to chemotherapy-induced apoptosis. Breast Cancer Research and Treatment, 2015, 149, 619-629.	2.5	45
71	Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2Âand autophagy proteins. Nature Cell Biology, 2015, 17, 893-906.	10.3	702
72	Deletion of autophagy inducer <i>RB1CC1</i> results in degeneration of the retinal pigment epithelium. Autophagy, 2015, 11, 939-953.	9.1	103

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73	Hyperactivation of Mammalian Target of Rapamycin Complex 1 (mTORC1) Promotes Breast Cancer Progression through Enhancing Glucose Starvation-induced Autophagy and Akt Signaling. Journal of Biological Chemistry, 2014, 289, 1164-1173.	3.4	32
74	Kindlin-2 Tyrosine Phosphorylation and Interaction with Src Serve as a Regulatable Switch in the Integrin Outside-in Signaling Circuit. Journal of Biological Chemistry, 2014, 289, 31001-31013.	3.4	33
75	p62/SQSTM1 synergizes with autophagy for tumor growth in vivo. Genes and Development, 2014, 28, 1204-1216.	5.9	94
76	Transient inhibition of the ERK pathway prevents cerebellar developmental defects and improves long-term motor functions in murine models of neurofibromatosis type 1. ELife, 2014, 3, .	6.0	23
77	FIP200 is required for maintenance and differentiation of postnatal neural stem cells. Nature Neuroscience, 2013, 16, 532-542.	14.8	154
78	Autophagy Deficiency by Hepatic FIP200 Deletion Uncouples Steatosis From Liver Injury in NAFLD. Molecular Endocrinology, 2013, 27, 1643-1654.	3.7	95
79	Autophagy in stem cells. Autophagy, 2013, 9, 830-849.	9.1	255
80	Distinct FAK Activities Determine Progenitor and Mammary Stem Cell Characteristics. Cancer Research, 2013, 73, 5591-5602.	0.9	52
81	Suppression of autophagy by FIP200 deletion leads to osteopenia in mice through the inhibition of osteoblast terminal differentiation. Journal of Bone and Mineral Research, 2013, 28, 2414-2430.	2.8	187
82	Function of Focal Adhesion Kinase Scaffolding to Mediate Endophilin A2 Phosphorylation Promotes Epithelial-Mesenchymal Transition and Mammary Cancer Stem Cell Activities in Vivo. Journal of Biological Chemistry, 2013, 288, 3322-3333.	3.4	72
83	VEGF-Induced Vascular Permeability Is Mediated by FAK. Developmental Cell, 2012, 22, 146-157.	7.0	281
84	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
85	Suppression of autophagy by FIP200 deletion inhibits mammary tumorigenesis. Genes and Development, 2011, 25, 1510-1527.	5.9	335
86	Suppression of autophagy by FIP200 inactivation results in deficient selfâ€renewal of neural stem cells. FASEB Journal, 2011, 25, lb110.	0.5	0
87	FIP200 is required for the cell-autonomous maintenance of fetal hematopoietic stem cells. Blood, 2010, 116, 4806-4814.	1.4	199
88	Integrin signaling through FAK in the regulation of mammary stem cells and breast cancer. IUBMB Life, 2010, 62, 268-276.	3.4	96
89	Neural-specific Deletion of FIP200 Leads to Cerebellar Degeneration Caused by Increased Neuronal Death and Axon Degeneration. Journal of Biological Chemistry, 2010, 285, 3499-3509.	3.4	197
90	Regulation of Integrin β1 Recycling to Lipid Rafts by Rab1a to Promote Cell Migration. Journal of Biological Chemistry, 2010, 285, 29398-29405.	3.4	90

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91	Role of kinase-independent and -dependent functions of FAK in endothelial cell survival and barrier function during embryonic development. Journal of Cell Biology, 2010, 189, 955-965.	5.2	106
92	Inactivation of FIP200 Leads to Inflammatory Skin Disorder, but Not Tumorigenesis, in Conditional Knock-out Mouse Models. Journal of Biological Chemistry, 2009, 284, 6004-6013.	3.4	34
93	Signal transduction by focal adhesion kinase in cancer. Cancer and Metastasis Reviews, 2009, 28, 35-49.	5.9	529
94	Nutrient-dependent mTORC1 Association with the ULK1–Atg13–FIP200 Complex Required for Autophagy. Molecular Biology of the Cell, 2009, 20, 1981-1991.	2.1	1,743
95	Mammary Epithelial-Specific Ablation of the Focal Adhesion Kinase Suppresses Mammary Tumorigenesis by Affecting Mammary Cancer Stem/Progenitor Cells. Cancer Research, 2009, 69, 466-474.	0.9	193
96	FIP200, a key signaling node to coordinately regulate various cellular processes. Cellular Signalling, 2008, 20, 787-794.	3.6	64
97	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. Journal of Cell Biology, 2008, 181, 497-510.	5.2	833
98	Compensatory role for Pyk2 during angiogenesis in adult mice lacking endothelial cell FAK. Journal of Cell Biology, 2008, 181, 43-50.	5.2	130
99	Mammary Epithelial-specific Deletion of the Focal Adhesion Kinase Gene Leads to Severe Lobulo-Alveolar Hypoplasia and Secretory Immaturity of the Murine Mammary Gland. Journal of Biological Chemistry, 2007, 282, 31766-31776.	3.4	76
100	In vitro scratch assay: a convenient and inexpensive method for analysis of cell migration in vitro. Nature Protocols, 2007, 2, 329-333.	12.0	3,638
101	Role of FIP200 in cardiac and liver development and its regulation of TNFα and TSC–mTOR signaling pathways. Journal of Cell Biology, 2006, 175, 121-133.	5.2	211
102	Association of Focal Adhesion Kinase with Tuberous Sclerosis Complex 2 in the Regulation of S6 Kinase Activation and Cell Growth. Journal of Biological Chemistry, 2006, 281, 37321-37329.	3.4	73
103	Mechanism of Cell Cycle Regulation by FIP200 in Human Breast Cancer Cells. Cancer Research, 2005, 65, 6676-6684.	0.9	72
104	Identification of FIP200 interaction with the TSC1–TSC2 complex and its role in regulation of cell size control. Journal of Cell Biology, 2005, 170, 379-389.	5.2	78
105	Conditional knockout of focal adhesion kinase in endothelial cells reveals its role in angiogenesis and vascular development in late embryogenesis. Journal of Cell Biology, 2005, 169, 941-952.	5.2	265
106	Focal Adhesion Kinase Regulation of N-WASP Subcellular Localization and Function. Journal of Biological Chemistry, 2004, 279, 9565-9576.	3.4	156
107	Overexpression of focal adhesion kinase in vascular endothelial cells promotes angiogenesis in transgenic mice. Cardiovascular Research, 2004, 64, 421-430.	3.8	96
108	CELL BIOLOGY: Integrins, Rafts, Rac, and Rho. Science, 2004, 303, 773-774.	12.6	70

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109	Regulation of Focal Adhesion Kinase by a Novel Protein Inhibitor FIP200. Molecular Biology of the Cell, 2002, 13, 3178-3191.	2.1	112
110	Differential regulation of cell migration and cell cycle progression by FAK complexes with Src, PI3K, Grb7 and Grb2 in focal contacts. FEBS Letters, 2001, 499, 176-181.	2.8	86
111	Identification of a novel interaction between integrin \hat{I}^21 and 14-3-3 \hat{I}^2 . Oncogene, 2001, 20, 346-357.	5.9	82
112	The Grb7 family proteins: structure, interactions with other signaling molecules and potential cellular functions. Oncogene, 2001, 20, 6315-6321.	5.9	159
113	Regulation of the PH-domain-containing tyrosine kinase Etk by focal adhesion kinase through the FERM domain. Nature Cell Biology, 2001, 3, 439-444.	10.3	142
114	Suppression of Pyk2 Kinase and Cellular Activities by Fip200. Journal of Cell Biology, 2000, 149, 423-430.	5.2	70
115	Analysis of FAK-associated signaling pathways in the regulation of cell cycle progression. FEBS Letters, 2000, 486, 275-280.	2.8	50
116	Melanoma chondroitin sulphate proteoglycan regulates cell spreading through Cdc42, Ack-1 and p130cas. Nature Cell Biology, 1999, 1, 507-513.	10.3	185
117	Differential stimulation of proline-rich tyrosine kinase 2 and mitogen-activated protein kinase by sphingosine 1-phosphate. FEBS Journal, 1998, 257, 403-408.	0.2	35
118	Focal adhesion kinase in integrin signaling. Matrix Biology, 1997, 16, 195-200.	3.6	142
119	The Association of Focal Adhesion Kinase with a 200-kDa Protein that is Tyrosine Phosphorylated in Response to Platelet-Derived Growth Factor. FEBS Journal, 1996, 235, 495-500.	0.2	13
120	Phosphorylation of Tyrosine 397 in Focal Adhesion Kinase Is Required for Binding Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 1996, 271, 26329-26334.	3.4	478
121	Integrin-Mediated Fibroblast Adhesion Strength: Role of the β1 Subunit. Materials Research Society Symposia Proceedings, 1993, 331, 153.	0.1	0
122	Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation. Nature, 1992, 358, 690-692.	27.8	817
123	Integrin Signaling Through Focal Adhesion Kinase. , 0, , 25-46.		0
124	Single-Cell Transcriptomic Analysis of Mammary Tumors Reveals Distinct Patterns of Hierarchical and Subtype Heterogeneity. SSRN Electronic Journal, 0, , .	0.4	0
125	Targeting Autophagy in Thyroid Cancer: EMT, Apoptosis, and Cancer Stem Cells. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	10