

# Masaya Baba

## List of Publications by Year in descending order

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62  
papers

3,977  
citations

126708

33  
h-index

128067

60  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Folliculin encoded by the BHD gene interacts with a binding protein, FNIP1, and AMPK, and is involved in AMPK and mTOR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15552-15557.	3.3	427
2	Kidney-Targeted Birt-Hogg-Dube Gene Inactivation in a Mouse Model: Erk1/2 and Akt-mTOR Activation, Cell Hyperproliferation, and Polycystic Kidneys. Journal of the National Cancer Institute, 2008, 100, 140-154.	3.0	223
3	VHL Tumor Suppressor Gene Alterations Associated With Good Prognosis in Sporadic Clear-Cell Renal Carcinoma. Journal of the National Cancer Institute, 2002, 94, 1569-1575.	3.0	216
4	Homozygous loss of <i>BHD</i> causes early embryonic lethality and kidney tumor development with activation of mTORC1 and mTORC2. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18722-18727.	3.3	203
5	Comprehensive mutational analysis of the VHL gene in sporadic renal cell carcinoma: Relationship to clinicopathological parameters. Genes Chromosomes and Cancer, 2002, 34, 58-68.	1.5	197
6	Gene expression analysis of renal carcinoma: adipose differentiation-related protein as a potential diagnostic and prognostic biomarker for clear-cell renal carcinoma. Journal of Pathology, 2005, 205, 377-387.	2.1	166
7	Identification and characterization of a novel folliculin-interacting protein FNIP2. Gene, 2008, 415, 60-67.	1.0	163
8	The von Hippel-Lindau Tumor Suppressor Protein Mediates Ubiquitination of Activated Atypical Protein Kinase C. Journal of Biological Chemistry, 2001, 276, 43611-43617.	1.6	161
9	Inactivation of the FLCN Tumor Suppressor Gene Induces TFE3 Transcriptional Activity by Increasing Its Nuclear Localization. PLoS ONE, 2010, 5, e15793.	1.1	146
10	Acidic Extracellular pH Induces Matrix Metalloproteinase-9 Expression in Mouse Metastatic Melanoma Cells through the Phospholipase D-Mitogen-activated Protein Kinase Signaling. Journal of Biological Chemistry, 2005, 280, 10938-10944.	1.6	145
11	Loss of von Hippel-Lindau protein causes cell density dependent deregulation of CyclinD1 expression through Hypoxia-inducible factor. Oncogene, 2003, 22, 2728-2738.	2.6	97
12	Hepatic vascular tumors, angiectasis in multiple organs, and impaired spermatogenesis in mice with conditional inactivation of the VHL gene. Cancer Research, 2003, 63, 5320-8.	0.4	94
13	Inactivation of von Hippel-Lindau Gene Induces Constitutive Phosphorylation of MET Protein in Clear Cell Renal Carcinoma. Cancer Research, 2006, 66, 3699-3705.	0.4	89
14	Direct Interaction of the $\beta$ -Domain of VHL Tumor Suppressor Protein with the Regulatory Domain of Atypical PKC Isoforms. Biochemical and Biophysical Research Communications, 1999, 263, 491-497.	1.0	86
15	Folliculin Controls Lung Alveolar Enlargement and Epithelial Cell Survival through E-Cadherin, LKB1, and AMPK. Cell Reports, 2014, 7, 412-423.	2.9	84
16	PTEN/MMAC1/TEP1 mutations in human primary renal cell carcinomas and renal carcinoma cell lines. International Journal of Cancer, 2001, 91, 219-224.	2.3	83
17	Chronic AMPK activation via loss of FLCN induces functional beige adipose tissue through PGC-1 $\beta$ /ERR $\alpha$ . Genes and Development, 2016, 30, 1034-1046.	2.7	83
18	Regulation of Mitochondrial Oxidative Metabolism by Tumor Suppressor FLCN. Journal of the National Cancer Institute, 2012, 104, 1750-1764.	3.0	82

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19	Tumor suppressor FLCN inhibits tumorigenesis of a FLCN-null renal cancer cell line and regulates expression of key molecules in TGF- $\beta$ signaling. <i>Molecular Cancer</i> , 2010, 9, 160.	7.9	81
20	Genetic, epidemiologic and clinicopathologic studies of Japanese Asian patients with Birt-Hogg-Dub syndrome. <i>Clinical Genetics</i> , 2016, 90, 403-412.	1.0	80
21	Folliculin-interacting proteins Fnip1 and Fnip2 play critical roles in kidney tumor suppression in cooperation with Flcn. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1624-31.	3.3	74
22	The folliculin-FNIP1 pathway deleted in human Birt-Hogg-Dub syndrome is required for murine B-cell development. <i>Blood</i> , 2012, 120, 1254-1261.	0.6	57
23	MicroRNA-204-5p: A novel candidate urinary biomarker of Xp11.2 translocation renal cell carcinoma. <i>Cancer Science</i> , 2019, 110, 1897-1908.	1.7	55
24	Induction of SPARC by VEGF in Human Vascular Endothelial Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 422-426.	1.0	54
25	Folliculin (Flcn) inactivation leads to murine cardiac hypertrophy through mTORC1 deregulation. <i>Human Molecular Genetics</i> , 2014, 23, 5706-5719.	1.4	54
26	SPARC expression in primary human renal cell carcinoma: Upregulation of SPARC in sarcomatoid renal carcinoma. <i>Human Pathology</i> , 2001, 32, 1064-1070.	1.1	50
27	Identification of intragenic deletions and duplication in the <i>FLCN</i> gene in Birt-Hogg-Dub syndrome. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 466-477.	1.5	50
28	MAPK Upstream Kinase (MUK)-binding Inhibitory Protein, a Negative Regulator of MUK/Dual Leucine Zipper-bearing Kinase/Leucine Zipper Protein Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 21247-21254.	1.6	46
29	Tumor suppressor protein VHL is induced at high cell density and mediates contact inhibition of cell growth. <i>Oncogene</i> , 2001, 20, 2727-2736.	2.6	46
30	A three-gene expression signature model to predict clinical outcome of clear cell renal carcinoma. <i>International Journal of Cancer</i> , 2008, 123, 1126-1132.	2.3	46
31	Birt-Hogg-Dub syndrome: Clinical and molecular aspects of recently identified kidney cancer syndrome. <i>International Journal of Urology</i> , 2016, 23, 204-210.	0.5	46
32	Germ-line Mutation Analysis in Patients with von Hippel-Lindau Disease in Japan: An Extended Study of 77 Families. <i>Japanese Journal of Cancer Research</i> , 2000, 91, 204-212.	1.7	45
33	Identification and characterization of Birt-Hogg-Dub associated renal carcinoma. <i>Journal of Pathology</i> , 2007, 211, 524-531.	2.1	45
34	TFE3 Xp11.2 Translocation Renal Cell Carcinoma Mouse Model Reveals Novel Therapeutic Targets and Identifies GPNMB as a Diagnostic Marker for Human Disease. <i>Molecular Cancer Research</i> , 2019, 17, 1613-1626.	1.5	35
35	Bilateral testicular tumors in androgen insensitivity syndrome. <i>International Journal of Urology</i> , 2000, 7, 390-392.	0.5	31
36	<i>RBM10</i> <i>TFE3</i> renal cell carcinoma characterised by paracentric inversion with consistent closely split signals in break-apart fluorescence <i>in situ</i> hybridisation: study of 10 cases and a literature review. <i>Histopathology</i> , 2019, 75, 254-265.	1.6	29

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37	Transfer of the von Hippel-Lindau gene to neuronal progenitor cells in treatment for Parkinson's disease. <i>Annals of Neurology</i> , 2003, 54, 352-359.	2.8	28
38	Vascular defects and liver damage by the acute inactivation of the VHL gene during mouse embryogenesis. <i>Laboratory Investigation</i> , 2006, 86, 664-675.	1.7	25
39	Loss of <i>Folliculin</i> Disrupts Hematopoietic Stem Cell Quiescence and Homeostasis Resulting in Bone Marrow Failure. <i>Stem Cells</i> , 2016, 34, 1068-1082.	1.4	25
40	Von Hippel-Lindau tumor suppressor protein transforms human neuroblastoma cells into functional neuron-like cells. <i>Cancer Research</i> , 2002, 62, 7004-11.	0.4	22
41	Folliculin Regulates Osteoclastogenesis Through Metabolic Regulation. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1785-1798.	3.1	21
42	Detection of germline deletions using real-time quantitative polymerase chain reaction in Japanese patients with von Hippel-Lindau disease. <i>Cancer Science</i> , 2006, 97, 400-405.	1.7	19
43	Stimulation of Motility of Human Renal Cell Carcinoma by SPARC/Osteonectin/BM-40 Associated with Type IV Collagen. <i>Invasion &amp; Metastasis</i> , 1998, 18, 105-114.	0.5	18
44	Establishment of bone marrow-derived M-CSF receptor-dependent self-renewing macrophages. <i>Cell Death Discovery</i> , 2020, 6, 63.	2.0	18
45	A FLCN-TFE3 Feedback Loop Prevents Excessive Glycogenesis and Phagocyte Activation by Regulating Lysosome Activity. <i>Cell Reports</i> , 2020, 30, 1823-1834.e5.	2.9	18
46	H255Y and K508R missense mutations in tumour suppressor folliculin (FLCN) promote kidney cell proliferation. <i>Human Molecular Genetics</i> , 2016, 26, ddw392.	1.4	17
47	Blood and lymphatic systems are segregated by the FLCN tumor suppressor. <i>Nature Communications</i> , 2020, 11, 6314.	5.8	17
48	BHD-associated kidney cancer exhibits unique molecular characteristics and a wide variety of variants in chromatin remodeling genes. <i>Human Molecular Genetics</i> , 2018, 27, 2712-2724.	1.4	14
49	Splice-site mutation causing partial retention of intron in the FLCN gene in Birt-Hogg-Dubé syndrome: a case report. <i>BMC Medical Genomics</i> , 2018, 11, 42.	0.7	10
50	Folliculin Interacting Protein 1 Maintains Metabolic Homeostasis during B Cell Development by Modulating AMPK, mTORC1, and TFE3. <i>Journal of Immunology</i> , 2019, 203, 2899-2908.	0.4	10
51	Renal cell carcinoma- and pheochromocytoma-specific altered gene expression profiles in VHL mutant clones. <i>Oncology Reports</i> , 2005, 13, 1033-41.	1.2	10
52	Dual functions of angiopoietin-like protein 2 signaling in tumor progression and anti-tumor immunity. <i>Genes and Development</i> , 2019, 33, 1641-1656.	2.7	9
53	Review of hereditary leiomyomatosis renal cell carcinoma with focus on clinical and pathobiological aspects of renal tumors. <i>Polish Journal of Pathology</i> , 2017, 68, 284-290.	0.1	5
54	FLCN alteration drives metabolic reprogramming towards nucleotide synthesis and cyst formation in salivary gland. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 931-938.	1.0	5

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55	Seventh BHD international symposium: recent scientific and clinical advancement. <i>Oncotarget</i> , 2022, 13, 173-181.	0.8	4
56	Single-cell transcriptomes underscore genetically distinct tumor characteristics and microenvironment for hereditary kidney cancers. <i>IScience</i> , 2022, 25, 104463.	1.9	4
57	Targeting chemoresistance in Xp11.2 translocation renal cell carcinoma using a novel polyamide-chlorambucil conjugate. <i>Cancer Science</i> , 2022, 113, 2352-2367.	1.7	3
58	Establishment and characterization of BHD-F59RSVT <sub>2</sub> , an immortalized cell line derived from a renal cell carcinoma in a patient with Birt-Hogg-Dubé syndrome. <i>Laboratory Investigation</i> , 2017, 97, 343-351.	1.7	2
59	Editorial Comment to Annexin A1 expression is correlated with malignant potential of renal cell carcinoma. <i>International Journal of Urology</i> , 2019, 26, 291-291.	0.5	1
60	t(6; 11) renal cell carcinoma. A case report successfully diagnosed by using fluorescence in situ hybridization. <i>IJU Case Reports</i> , 2021, 4, 375-378.	0.1	1
61	Hereditary Renal Cell Carcinoma. , 2017, , 19-82.		1
62	Renal cell carcinoma- and pheochromocytoma-specific altered gene expression profiles in VHL mutant clones. <i>Oncology Reports</i> , 0, , .	1.2	1