

# Wilhelm Krek

## List of Publications by Year in descending order

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68  
papers

13,538  
citations

53660

45  
h-index

98622

67  
g-index

68  
all docs

68  
docs citations

68  
times ranked

25261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Expression cloning of a cDNA encoding a retinoblastoma-binding protein with E2F-like properties. <i>Cell</i> , 1992, 70, 351-364.	13.5	916
3	Chemokine receptor CXCR4 downregulated by von Hippel-Lindau tumour suppressor pVHL. <i>Nature</i> , 2003, 425, 307-311.	13.7	845
4	p45SKP2 promotes p27Kip1 degradation and induces S phase in quiescent cells. <i>Nature Cell Biology</i> , 1999, 1, 207-214.	4.6	647
5	3D cell culture systems modeling tumor growth determinants in cancer target discovery. <i>Advanced Drug Delivery Reviews</i> , 2014, 69-70, 29-41.	6.6	369
6	Cyclin A-kinase regulation of E2F-1 DNA binding function underlies suppression of an S phase checkpoint. <i>Cell</i> , 1995, 83, 1149-1158.	13.5	349
7	A CDK-Independent Function of Mammalian Cks1. <i>Molecular Cell</i> , 2001, 7, 639-650.	4.5	345
8	Activation of a HIF1 $\alpha$ -PPAR $\beta$ Axis Underlies the Integration of Glycolytic and Lipid Anabolic Pathways in Pathologic Cardiac Hypertrophy. <i>Cell Metabolism</i> , 2009, 9, 512-524.	7.2	342
9	Regulation of microtubule stability by the von Hippel-Lindau tumour suppressor protein pVHL. <i>Nature Cell Biology</i> , 2003, 5, 64-70.	4.6	309
10	Dietary obesity-associated Hif1 $\alpha$ activation in adipocytes restricts fatty acid oxidation and energy expenditure via suppression of the Sirt2-NAD <sup>+</sup> system. <i>Genes and Development</i> , 2012, 26, 259-270.	2.7	264
11	PKA phosphorylates and inactivates AMPK $\alpha$ to promote efficient lipolysis. <i>EMBO Journal</i> , 2010, 29, 469-481.	3.5	235
12	Analysis of microtubule dynamic instability using a plus-end growth marker. <i>Nature Methods</i> , 2010, 7, 761-768.	9.0	222
13	pVHL and GSK3 $\beta$ are components of a primary cilium-maintenance signalling network. <i>Nature Cell Biology</i> , 2007, 9, 588-595.	4.6	220
14	The Hypoxia-Inducible MicroRNA Cluster miR-199a $\sim$ 214 Targets Myocardial PPAR $\beta$ and Impairs Mitochondrial Fatty Acid Oxidation. <i>Cell Metabolism</i> , 2013, 18, 341-354.	7.2	193
15	The HRPT2 Tumor Suppressor Gene Product Parafibromin Associates with Human PAF1 and RNA Polymerase II. <i>Molecular and Cellular Biology</i> , 2005, 25, 5052-5060.	1.1	184
16	Cancer genetics-guided discovery of serum biomarker signatures for diagnosis and prognosis of prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3342-3347.	3.3	175
17	Loss of Cul1 results in early embryonic lethality and dysregulation of cyclin E. <i>Nature Genetics</i> , 1999, 23, 245-248.	9.4	164
18	Control of Nutrient-Sensitive Transcription Programs by the Unconventional Prefoldin URI. <i>Science</i> , 2003, 302, 1208-1212.	6.0	164

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19	Proteolysis and the G1-S transition: the SCF connection. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 36-42.	1.5	154
20	HIF-driven SF3B1 induces KHK-C to enforce fructolysis and heart disease. <i>Nature</i> , 2015, 522, 444-449.	13.7	144
21	VHL loss causes spindle misorientation and chromosome instability. <i>Nature Cell Biology</i> , 2009, 11, 994-1001.	4.6	141
22	Loss of PBRM1 expression is associated with renal cell carcinoma progression. <i>International Journal of Cancer</i> , 2013, 132, E11-7.	2.3	139
23	pVHL and PTEN tumour suppressor proteins cooperatively suppress kidney cyst formation. <i>EMBO Journal</i> , 2008, 27, 1747-1757.	3.5	138
24	Combined mutation of <i>Vhl</i> and <i>Trp53</i> causes renal cysts and tumours in mice. <i>EMBO Molecular Medicine</i> , 2013, 5, 949-964.	3.3	131
25	Hif-2 $\alpha$ Promotes Degradation of Mammalian Peroxisomes by Selective Autophagy. <i>Cell Metabolism</i> , 2014, 20, 882-897.	7.2	131
26	Essential Role of Developmentally Activated Hypoxia-Inducible Factor 1 $\alpha$ for Cardiac Morphogenesis and Function. <i>Circulation Research</i> , 2008, 103, 1139-1146.	2.0	112
27	Sporadic clear cell renal cell carcinoma but not the papillary type is characterized by severely reduced frequency of primary cilia. <i>Modern Pathology</i> , 2009, 22, 31-36.	2.9	104
28	S6K1-Mediated Disassembly of Mitochondrial UPR1/PP1 $\beta$ Complexes Activates a Negative Feedback Program that Counters S6K1 Survival Signaling. <i>Molecular Cell</i> , 2007, 28, 28-40.	4.5	101
29	pVHL is a regulator of glucose metabolism and insulin secretion in pancreatic $\beta$ cells. <i>Genes and Development</i> , 2008, 22, 3135-3146.	2.7	88
30	pVHL: A Multipurpose Adaptor Protein. <i>Science Signaling</i> , 2008, 1, pe30.	1.6	81
31	URI Is an Oncogene Amplified in Ovarian Cancer Cells and Is Required for Their Survival. <i>Cancer Cell</i> , 2011, 19, 317-332.	7.7	77
32	A Fatty Acid Oxidation-dependent Metabolic Shift Regulates the Adaptation of <i>BRAF</i> -mutated Melanoma to MAPK Inhibitors. <i>Clinical Cancer Research</i> , 2019, 25, 6852-6867.	3.2	74
33	Priming-Dependent Phosphorylation and Regulation of the Tumor Suppressor pVHL by Glycogen Synthase Kinase 3. <i>Molecular and Cellular Biology</i> , 2006, 26, 5784-5796.	1.1	72
34	Regulation of p27 Degradation and S-Phase Progression by Ro52 RING Finger Protein. <i>Molecular and Cellular Biology</i> , 2006, 26, 5994-6004.	1.1	68
35	The von Hippel-Lindau tumour suppressor: a multi-faceted inhibitor of tumourigenesis. <i>Trends in Molecular Medicine</i> , 2004, 10, 466-472.	3.5	65
36	HIF1 $\alpha$ deubiquitination by USP8 is essential for ciliogenesis in normoxia. <i>EMBO Reports</i> , 2014, 15, 77-85.	2.0	64

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37	Fructose metabolism, cardiometabolic risk, and the epidemic of coronary artery disease. <i>European Heart Journal</i> , 2018, 39, 2497-2505.	1.0	64
38	Multitasking by pVHL in tumour suppression. <i>Current Opinion in Cell Biology</i> , 2007, 19, 685-690.	2.6	61
39	p53 suppresses type II endometrial carcinomas in mice and governs endometrial tumour aggressiveness in humans. <i>EMBO Molecular Medicine</i> , 2012, 4, 808-824.	3.3	60
40	URI-1 is required for DNA stability in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2006, 133, 621-629.	1.2	56
41	The VHL Tumor Suppressor: Riding Tandem with GSK3&beta; in Primary Cilium Maintenance. <i>Cell Cycle</i> , 2007, 6, 1809-1813.	1.3	55
42	Association of Human SCFSKP2Subunit p19SKP1with Interphase Centrosomes and Mitotic Spindle Poles. <i>Experimental Cell Research</i> , 1999, 247, 554-562.	1.2	52
43	Novel Prognostic Markers in the Serum of Patients With Castration-Resistant Prostate Cancer Derived From Quantitative Analysis of the Pten Conditional Knockout Mouse Proteome. <i>European Urology</i> , 2011, 60, 1235-1243.	0.9	49
44	Quantitative image analysis identifies pVHL as a key regulator of microtubule dynamic instability. <i>Journal of Cell Biology</i> , 2010, 190, 991-1003.	2.3	48
45	Induction of hepatocyte proliferation and liver hyperplasia by the targeted expression of cyclin E and skp2. <i>Oncogene</i> , 2001, 20, 1825-1831.	2.6	47
46	A High-Throughputâ€Compatible 3D Microtissue Co-Culture System for Phenotypic RNAi Screening Applications. <i>Journal of Biomolecular Screening</i> , 2013, 18, 1330-1337.	2.6	45
47	Identification and Functional Characterization of pVHL-Dependent Cell Surface Proteins in Renal Cell Carcinoma. <i>Neoplasia</i> , 2012, 14, 535-547.	2.3	44
48	miR-28-5p Promotes Chromosomal Instability in VHL-Associated Cancers by Inhibiting Mad2 Translation. <i>Cancer Research</i> , 2014, 74, 2432-2443.	0.4	44
49	Integrated genomic analysis identifies subclasses and prognosis signatures of kidney cancer. <i>Oncotarget</i> , 2015, 6, 10521-10531.	0.8	42
50	Hypoxia-driven glycolytic and fructolytic metabolic programs: Pivotal to hypertrophic heart disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1822-1828.	1.9	42
51	Combined Vhlh and Pten Mutation Causes Genital Tract Cystadenoma and Squamous Metaplasia. <i>Molecular and Cellular Biology</i> , 2008, 28, 4536-4548.	1.1	41
52	Relevance of Nuclear and Cytoplasmic von Hippel Lindau Protein Expression for Renal Carcinoma Progression. <i>American Journal of Pathology</i> , 2003, 163, 1013-1020.	1.9	34
53	Metabolic stabilization of p27 in senescent fibroblasts correlates with reduced expression of the F-box protein Skp2. <i>Experimental Gerontology</i> , 2001, 37, 41-55.	1.2	27
54	Tumor Suppressor VHL Functions in the Control of Mitotic Fidelity. <i>Cancer Research</i> , 2014, 74, 2422-2431.	0.4	27

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55	Inhibition of the Hypoxia-Inducible Factor 1 $\alpha$ -Induced Cardiospecific HERNA1 Enhance-Templated RNA Protects From Heart Disease. <i>Circulation</i> , 2019, 139, 2778-2792.	1.6	26
56	NGS-pipe: a flexible, easily extendable and highly configurable framework for NGS analysis. <i>Bioinformatics</i> , 2018, 34, 107-108.	1.8	25
57	<scp>KPNA2</scp> is overexpressed in human and mouse endometrial cancers and promotes cellular proliferation. <i>Journal of Pathology</i> , 2014, 234, 239-252.	2.1	23
58	Tumor Suppressor NF2/Merlin Is a Microtubule Stabilizer. <i>Cancer Research</i> , 2014, 74, 353-362.	0.4	19
59	Colorectal cancer cells display chaperone dependency for the unconventional prefoldin URI1. <i>Oncotarget</i> , 2016, 7, 29635-29647.	0.8	16
60	Genetic deletion of the long isoform of the von Hippel-Lindau tumour suppressor gene product alters microtubule dynamics. <i>European Journal of Cancer</i> , 2013, 49, 2433-2440.	1.3	12
61	The protein tyrosine phosphatase receptor type J is regulated by the <scp>pVHL</scp>-HIF</scp> axis in clear cell renal cell carcinoma. <i>Journal of Pathology</i> , 2013, 229, 525-534.	2.1	11
62	jSplice: a high-performance method for accurate prediction of alternative splicing events and its application to large-scale renal cancer transcriptome data. <i>Bioinformatics</i> , 2016, 32, 2111-2119.	1.8	10
63	BRAF inhibition sensitizes melanoma cells to $\alpha$ -amanitin via decreased RNA polymerase II assembly. <i>Scientific Reports</i> , 2019, 9, 7779.	1.6	9
64	Correction of gene model annotations improves isoform abundance estimates: the example of ketohexokinase (Khk). <i>F1000Research</i> , 2018, 7, 1956.	0.8	7
65	Double-trouble in mitosis caused by von Hippel-Lindau tumor-suppressor protein inactivation. <i>Cell Cycle</i> , 2009, 8, 3619-3620.	1.3	5
66	Correction of gene model annotations improves isoform abundance estimates: the example of ketohexokinase (Khk). <i>F1000Research</i> , 2018, 7, 1956.	0.8	5
67	Identification of HIF-dependent alternative splicing in gastrointestinal cancers and characterization of a long, coding isoform of SLC35A3. <i>Genomics</i> , 2021, 113, 515-529.	1.3	4
68	Cyclin A-Kinase Binding to and Regulation of the Function of a Growth-Promoting Transcription Factor. , 1996, , 193-199.		0