Christian Widmann

List of Publications by Citations

106 papers	7,415 citations	36 h-index	85 g-index
134 ext. papers	7,964 ext. citations	6.3 avg, IF	5.56 L-index

#	Paper	IF	Citations
106	Mitogen-activated protein kinase: conservation of a three-kinase module from yeast to human. *Physiological Reviews*, **1999**, 79, 143-80	47.9	2203
105	The regulation of anoikis: MEKK-1 activation requires cleavage by caspases. *Cell*, **1997**, 90, 315-23	56.2	469
104	Caspase-dependent cleavage of signaling proteins during apoptosis. A turn-off mechanism for anti-apoptotic signals. *Journal of Biological Chemistry*, **1998**, 273, 7141-7	5.4	338
103	Alterations in microRNA expression contribute to fatty acid-induced pancreatic beta-cell dysfunction. *Diabetes*, **2008**, 57, 2728-36	0.9	286
102	MEKKs, GCKs, MLKs, PAKs, TAKs, and tpls: upstream regulators of the c-Jun amino-terminal kinases?. *Current Opinion in Genetics and Development*, **1997**, 7, 67-74	4.9	274
101	T cell receptor genes in a series of class I major histocompatibility complex-restricted cytotoxic T lymphocyte clones specific for a Plasmodium berghei nonapeptide: implications for T cell allelic exclusion and antigen-specific repertoire. *Journal of Experimental Medicine*, **1991**, 174, 1371-83	16.6	272
100	MEK kinase 1 gene disruption alters cell migration and c-Jun NH2-terminal kinase regulation but does not cause a measurable defect in NF-kappa B activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 7272-7	11.5	219
99	MEK kinase 1, a substrate for DEVD-directed caspases, is involved in genotoxin-induced apoptosis. *Molecular and Cellular Biology*, **1998**, 18, 2416-29	4.8	217
98	Reovirus-induced apoptosis is mediated by TRAIL. *Journal of Virology*, **2000**, 74, 8135-9	6.6	172
97	The gene MAPK8IP1, encoding islet-brain-1, is a candidate for type 2 diabetes. *Nature Genetics*, **2000**, 24, 291-5	36.3	166
96	Anti-apoptotic versus pro-apoptotic signal transduction: checkpoints and stop signs along the road to death. *Oncogene*, **1998**, 17, 1475-82	9.2	141
95	Glucose metabolism in cancer cells. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2010**, 13, 466-70	3.8	131
94	Exendin-4 protects beta-cells from interleukin-1 beta-induced apoptosis by interfering with the c-Jun NH2-terminal kinase pathway. *Diabetes*, **2008**, 57, 1205-15	0.9	125
93	14-3-3 proteins interact with specific MEK kinases. *Journal of Biological Chemistry*, **1998**, 273, 3476-83	5.4	125
92	Human high-density lipoprotein particles prevent activation of the JNK pathway induced by human oxidised low-density lipoprotein particles in pancreatic beta cells. *Diabetologia*, **2007**, 50, 1304-14	10.3	115
91	Glucagon-like peptide-1 protects beta-cells against apoptosis by increasing the activity of an IGF-2/IGF-1 receptor autocrine loop. *Diabetes*, **2009**, 58, 1816-25	0.9	105
90	Antiapoptotic signaling generated by caspase-induced cleavage of RasGAP. *Molecular and Cellular Biology*, **2001**, 21, 5346-58	4.8	100

89	H-2-restricted cytolytic T lymphocytes specific for HLA display T cell receptors of limited diversity. *Journal of Experimental Medicine*, **1992**, 176, 439-47	16.6	92
88	T helper epitopes enhance the cytotoxic response of mice immunized with MHC class I-restricted malaria peptides. *Journal of Immunological Methods*, **1992**, 155, 95-9	2.5	82
87	Partial cleavage of RasGAP by caspases is required for cell survival in mild stress conditions. *Molecular and Cellular Biology*, **2004**, 24, 10425-36	4.8	69
86	High-density lipoprotein, beta cells, and diabetes *Cardiovascular Research*, **2014**, 103, 384-94	9.9	67
85	Internalization and homologous desensitization of the GLP-1 receptor depend on phosphorylation of the receptor carboxyl tail at the same three sites. *Molecular Endocrinology*, **1997**, 11, 1094-102		63
84	Potentiation of apoptosis by low dose stress stimuli in cells expressing activated MEK kinase 1. *Oncogene*, **1997**, 15, 2439-47	9.2	63
83	Endoplasmic Reticulum Stress Links Oxidative Stress to Impaired Pancreatic Beta-Cell Function Caused by Human Oxidized LDL. *PLoS ONE*, **2016**, 11, e0163046	3.7	60
82	Reovirus infection activates JNK and the JNK-dependent transcription factor c-Jun. *Journal of Virology*, **2001**, 75, 11275-83	6.6	58
81	Differential involvement of MEK kinase 1 (MEKK1) in the induction of apoptosis in response to microtubule-targeted drugs versus DNA damaging agents. *Journal of Biological Chemistry*, **1999**, 274, 10916-22	5.4	58
80	Caspase-3 protects stressed organs against cell death. *Molecular and Cellular Biology*, **2012**, 32, 4523-33	4.8	52
79	Role of the amino-terminal domains of MEKKs in the activation of NF kappa B and MAPK pathways and in the regulation of cell proliferation and apoptosis. *Cellular Signalling*, **2002**, 14, 123-31	4.9	52
78	HDLs protect pancreatic cells against ER stress by restoring protein folding and trafficking. *Diabetes*, **2012**, 61, 1100-11	0.9	49
77	Spatial, temporal and subcellular localization of islet-brain 1 (IB1), a homologue of JIP-1, in mouse brain. *European Journal of Neuroscience*, **2000**, 12, 621-32	3.5	48
76	The RasGAP N-terminal fragment generated by caspase cleavage protects cells in a Ras/PI3K/Akt-dependent manner that does not rely on NFkappa B activation. *Journal of Biological Chemistry*, **2002**, 277, 14641-6	5.4	47
75	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. *Oncogene*, **2004**, 23, 8971-8	9.2	45
74	Surviving the kiss of death. *Biochemical Pharmacology*, **2004**, 68, 1027-31	6	42
73	Desensitization and phosphorylation of the glucagon-like peptide-1 (GLP- 1) receptor by GLP-1 and 4-phorbol 12-myristate 13-acetate. *Molecular Endocrinology*, **1996**, 10, 62-75		42
72	Revisiting G3BP1 as a RasGAP binding protein: sensitization of tumor cells to chemotherapy by the RasGAP 317-326 sequence does not involve G3BP1. *PLoS ONE*, **2011**, 6, e29024	3.7	41

71	HDLs, diabetes, and metabolic syndrome. *Handbook of Experimental Pharmacology*, **2015**, 224, 405-21	3.2	39
70	Promises of apoptosis-inducing peptides in cancer therapeutics. *Current Pharmaceutical Biotechnology*, **2011**, 12, 1153-65	2.6	34
69	Impaired Akt activity down-modulation, caspase-3 activation, and apoptosis in cells expressing a caspase-resistant mutant of RasGAP at position 157. *Molecular Biology of the Cell*, **2005**, 16, 3511-20	3.5	34
68	Apoptosis stimulated by the 91-kDa caspase cleavage MEKK1 fragment requires translocation to soluble cellular compartments. *Journal of Biological Chemistry*, **2002**, 277, 10283-91	5.4	33
67	Caspase substrates and neurodegenerative diseases. *Brain Research Bulletin*, **2009**, 80, 251-67	3.9	32
66	Aldehyde dehydrogenase activity plays a Key role in the aggressive phenotype of neuroblastoma. *BMC Cancer*, **2016**, 16, 781	4.8	32
65	Interleukin-8 secretion by fibroblasts induced by low density lipoproteins is p38 MAPK-dependent and leads to cell spreading and wound closure. *Journal of Biological Chemistry*, **2006**, 281, 199-205	5.4	31
64	Heterologous desensitization of the glucagon-like peptide-1 receptor by phorbol esters requires phosphorylation of the cytoplasmic tail at four different sites. *Journal of Biological Chemistry*, **1996**, 271, 19957-63	5.4	31
63	Caspase-3 and RasGAP: a stress-sensing survival/demise switch. *Trends in Cell Biology*, **2014**, 24, 83-9	18.3	30
62	Identification of Clotrimazole Derivatives as Specific Inhibitors of Arenavirus Fusion. *Journal of Virology*, **2019**, 93,	6.6	29
61	GAP-independent functions of DLC1 in metastasis. *Cancer and Metastasis Reviews*, **2014**, 33, 87-100	9.6	28
60	CRISPR/Cas9 genome-wide screening identifies KEAP1 as a sorafenib, lenvatinib, and regorafenib sensitivity gene in hepatocellular carcinoma. *Oncotarget*, **2019**, 10, 7058-7070	3.3	27
59	Effect of RasGAP N2 fragment-derived peptide on tumor growth in mice. *Journal of the National Cancer Institute*, **2009**, 101, 828-32	9.7	26
58	TAT-RasGAP317-326 requires p53 and PUMA to sensitize tumor cells to genotoxins. *Molecular Cancer Research*, **2007**, 5, 497-507	6.6	26
57	Role of the transcriptional factor C/EBPbeta in free fatty acid-elicited beta-cell failure. *Molecular and Cellular Endocrinology*, **2009**, 305, 47-55	4.4	21
56	Effect of the TAT-RasGAP(317-326) peptide on apoptosis of human malignant mesothelioma cells and fibroblasts exposed to meso-tetra-hydroxyphenyl-chlorin and light. *Journal of Photochemistry and Photobiology B: Biology*, **2007**, 88, 29-35	6.7	20
55	DNA-damage sensitizers: potential new therapeutical tools to improve chemotherapy. *Critical Reviews in Oncology/Hematology*, **2007**, 63, 160-71	7	19
54	The functional half-life of H-2Kd-restricted T cell epitopes on living cells. *European Journal of Immunology*, **1996**, 26, 1993-9	6.1	19

53	MAP/ERK kinase kinase 1 (MEKK1) mediates transcriptional repression by interacting with polycystic kidney disease-1 (PKD1) promoter-bound p53 tumor suppressor protein. *Journal of Biological Chemistry*, **2010**, 285, 38818-31	5.4	18
52	Involvement of 4E-BP1 in the protection induced by HDLs on pancreatic beta-cells. *Molecular Endocrinology*, **2009**, 23, 1572-86		18
51	Expression of an uncleavable N-terminal RasGAP fragment in insulin-secreting cells increases their resistance toward apoptotic stimuli without affecting their glucose-induced insulin secretion. *Journal of Biological Chemistry*, **2005**, 280, 32835-42	5.4	18
50	The δ-opioid receptor affects epidermal homeostasis via ERK-dependent inhibition of transcription factor POU2F3. *Journal of Investigative Dermatology*, **2015**, 135, 471-480	4.3	17
49	A WXW motif is required for the anticancer activity of the TAT-RasGAP317-326 peptide. *Journal of Biological Chemistry*, **2014**, 289, 23701-11	5.4	15
48	The Anticancer Peptide TAT-RasGAP Exerts Broad Antimicrobial Activity. *Frontiers in Microbiology*, **2017**, 8, 994	5.7	14
47	The TAT-RasGAP317-326 anti-cancer peptide can kill in a caspase-, apoptosis-, and necroptosis-independent manner. *Oncotarget*, **2016**, 7, 64342-64359	3.3	14
46	Fragment N2, a caspase-3-generated RasGAP fragment, inhibits breast cancer metastatic progression. *International Journal of Cancer*, **2014**, 135, 242-7	7.5	13
45	HDLs protect the MIN6 insulinoma cell line against tunicamycin-induced apoptosis without inhibiting ER stress and without restoring ER functionality. *Molecular and Cellular Endocrinology*, **2013**, 381, 291-301	4.4	13
44	RasGAP-derived fragment N increases the resistance of beta cells towards apoptosis in NOD mice and delays the progression from mild to overt diabetes. *PLoS ONE*, **2011**, 6, e22609	3.7	13
43	LDLs stimulate p38 MAPKs and wound healing through SR-BI independently of Ras and PI3 kinase. *Journal of Lipid Research*, **2009**, 50, 81-9	6.3	13
42	Cholesterol is the major component of native lipoproteins activating the p38 mitogen-activated protein kinases. *Biological Chemistry*, **2005**, 386, 909-18	4.5	13
41	Islet-brain (IB)/JNK-interacting proteins (JIPs): future targets for the treatment of neurodegenerative diseases?. *Current Neurovascular Research*, **2004**, 1, 111-27	1.8	12
40	Splice variant-specific stabilization of JNKs by IB1/JIP1. *Cellular Signalling*, **2007**, 19, 2201-7	4.9	11
39	Reactive oxygen/nitrogen species contribute substantially to the antileukemia effect of APO866, a NAD lowering agent. *Oncotarget*, **2019**, 10, 6723-6738	3.3	11
38	Signal transduction and desensitization of the glucagon-like peptide-1 receptor. *Acta Physiologica Scandinavica*, **1996**, 157, 317-9		10
37	TAT-RasGAP kills cells by targeting inner-leaflet-enriched phospholipids. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31871-31881	11.5	10
36	Combinative effects of β-Lapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. *Biochimie*, **2015**, 116, 141-53	4.6	9

35	RasGTPase-activating protein is a target of caspases in spontaneous apoptosis of lung carcinoma cells and in response to etoposide. *Carcinogenesis*, **2004**, 25, 909-21	4.6	9
34	TAT-RasGAP Enhances Radiosensitivity of Human Carcinoma Cell Lines In Vitro and In Vivo through Promotion of Delayed Mitotic Cell Death. *Radiation Research*, **2017**, 187, 562-569	3.1	8
33	High resolution crystal structures of the p120 RasGAP SH3 domain. *Biochemical and Biophysical Research Communications*, **2007**, 353, 463-8	3.4	8
32	TAT-RasGAP317-326-mediated tumor cell death sensitization can occur independently of Bax and Bak. *Apoptosis: an International Journal on Programmed Cell Death*, **2014**, 19, 719-33	5.4	7
31	Lipoproteins and mitogen-activated protein kinase signaling: a role in atherogenesis?. *Current Opinion in Lipidology*, **2006**, 17, 110-21	4.4	7
30	LDLs induce fibroblast spreading independently of the LDL receptor via activation of the p38 MAPK pathway. *Journal of Lipid Research*, **2003**, 44, 2382-90	6.3	7
29	Assessment of the chemosensitizing activity of TAT-RasGAP317-326 in childhood cancers. *PLoS ONE*, **2015**, 10, e0120487	3.7	7
28	The caspase-3-p120-RasGAP module generates a NF-B repressor in response to cellular stress. *Journal of Cell Science*, **2015**, 128, 3502-13	5.3	6
27	Expression of the NH(2)-terminal fragment of RasGAP in pancreatic beta-cells increases their resistance to stresses and protects mice from diabetes. *Diabetes*, **2009**, 58, 2596-606	0.9	6
26	A subset of caspase substrates functions as the Jekyll and Hyde of apoptosis. *European Cytokine Network*, **2002**, 13, 404-6	3.3	6
25	The role of endogenous and exogenous RasGAP-derived fragment N in protecting cardiomyocytes from peroxynitrite-induced apoptosis. *Free Radical Biology and Medicine*, **2012**, 53, 926-35	7.8	5
24	Role of the sub-cellular localization of RasGAP fragment N2 for its ability to sensitize cancer cells to genotoxin-induced apoptosis. *Experimental Cell Research*, **2009**, 315, 2081-91	4.2	5
23	Role of mTOR, Bad, and Survivin in RasGAP Fragment N-Mediated Cell Protection. *PLoS ONE*, **2013**, 8, e68123	3.7	5
22	The antimicrobial peptide TAT-RasGAP inhibits the formation and expansion of bacterial biofilms in vitro. *Journal of Global Antimicrobial Resistance*, **2021**, 25, 227-231	3.4	5
21	The caspase-3/p120 RasGAP stress-sensing module reduces liver cancer incidence but does not affect overall survival in gamma-irradiated and carcinogen-treated mice. *Molecular Carcinogenesis*, **2017**, 56, 1680-1684	5	4
20	RasGAP Shields Akt from Deactivating Phosphatases in Fibroblast Growth Factor Signaling but Loses This Ability Once Cleaved by Caspase-3. *Journal of Biological Chemistry*, **2015**, 290, 19653-65	5.4	4
19	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. *ELife*, **2021**, 10,	8.9	4
18	UV-B induces cytoplasmic survivin expression in mouse epidermis. *Journal of Dermatological Science* , **2012**, 67, 196-9	4.3	3

17	Generation of a tightly regulated all-cis beta cell-specific tetracycline-inducible vector. *BioTechniques*, **2008**, 45, 411, 414, 416 passim	2.5	3
16	In vitro activity of MEKK2 and MEKK3 in detergents is a function of a valine to serine difference in the catalytic domain. *BBA - Proteins and Proteomics*, **2001**, 1547, 167-73		3
15	The endocytic pathway taken by cationic substances requires Rab14 but not Rab5 and Rab7. *Cell Reports*, **2021**, 37, 109945	10.6	2
14	Genetic, cellular and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore		2
13	The interplay between serum amyloid A and HDLs. *Current Opinion in Lipidology*, **2020**, 31, 300-301	4.4	2
12	ASH2L drives proliferation and sensitivity to bleomycin and other genotoxins in Hodgkin's lymphoma and testicular cancer cells. *Cell Death and Disease*, **2020**, 11, 1019	9.8	2
11	Loss-of-function of the long non-coding RNA A830019P07Rik in mice does not affect insulin expression and secretion. *Scientific Reports*, **2020**, 10, 6413	4.9	2
10	Bacterial surface properties influence the activity of the TAT-RasGAP antimicrobial peptide. *IScience*, **2021**, 24, 102923	6.1	2
9	The PI3K/Akt pathway is not a main driver in HDL-mediated cell protection. *Cellular Signalling*, **2019**, 62, 109347	4.9	1
8	The activity of the anti-apoptotic fragment generated by the caspase-3/p120 RasGAP stress-sensing module displays strict Akt isoform specificity. *Cellular Signalling*, **2014**, 26, 2992-7	4.9	1
7	Evaluation and validation of commercial antibodies for the detection of Shb. *PLoS ONE*, **2017**, 12, e0188311	3.7	1
6	The proteolytic landscape of cells exposed to non-lethal stresses is shaped by executioner caspases. *Cell Death Discovery*, **2021**, 7, 164	6.9	0
5	The EnvZ/OmpR Two-Component System Regulates the Antimicrobial Activity of TAT-RasGAP and the Collateral Sensitivity to Other Antibacterial Agents.. *Microbiology Spectrum*, **2022**, e0200921	8.9	0
4	Fatty acid metabolism regulates cell survival in specific niches. *Current Opinion in Lipidology*, **2017**, 28, 284-285	4.4	
3	Are HDL receptors really located where we think they are in the liver?. *Current Opinion in Lipidology*, **2016**, 27, 424-5	4.4	
2	Caspases **2007**, 1-3		
1	Caspase 3 **2007**, 1-9		