Christian Widmann

List of Publications by Year
in descending order

123 papers	8,517 citations	81900 39 h-index	43889 91 g-index
135 all docs	135 docs citations	135 times ranked	9607 citing authors

#	Article	IF	Citations
1	Mitogen-Activated Protein Kinase: Conservation of a Three-Kinase Module From Yeast to Human. Physiological Reviews, 1999, 79, 143-180.	28.8	2,492
2	The Regulation of Anoikis: MEKK-1 Activation Requires Cleavage by Caspases. Cell, 1997, 90, 315-323.	28.9	495
3	Caspase-dependent Cleavage of Signaling Proteins during Apoptosis. Journal of Biological Chemistry, 1998, 273, 7141-7147.	3.4	374
4	Alterations in MicroRNA Expression Contribute to Fatty Acidâ€"Induced Pancreatic Î²-Cell Dysfunction. Diabetes, 2008, 57, 2728-2736.	0.6	331
5	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.	3.3	303
6	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, 1371-1383.	8.5	297
7	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, 7272-7277.	7.1	229
8	MEK Kinase 1, a Substrate for DEVD-Directed Caspases, Is Involved in Genotoxin-Induced Apoptosis. Molecular and Cellular Biology, 1998, 18, 2416-2429.	2.3	227
9	Reovirus-Induced Apoptosis Is Mediated by TRAIL. Journal of Virology, 2000, 74, 8135-8139.	3.4	186
10	The gene MAPK8IP1, encoding islet-brain-1, is a candidate for type 2 diabetes. Nature Genetics, 2000, 24, 291-295.	21.4	182
11	Glucose metabolism in cancer cells. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 466-470.	2.5	164
12	Anti-apoptotic versus pro-apoptotic signal transduction: Checkpoints and stop signs along the road to death. Oncogene, 1998, 17, 1475-1482.	5.9	153
13	14-3-3 Proteins Interact with Specific MEK Kinases. Journal of Biological Chemistry, 1998, 273, 3476-3483.	3.4	137
14	Exendin-4 Protects Î²-Cells From Interleukin-1Î²â€"Induced Apoptosis by Interfering With the c-Jun NH2-Terminal Kinase Pathway. Diabetes, 2008, 57, 1205-1215.	0.6	134
15	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, 1304-1314.	6.3	130
16	Glucagon-Like Peptide-1 Protects Î²-Cells Against Apoptosis by Increasing the Activity of an Igf-2/Igf-1 Receptor Autocrine Loop. Diabetes, 2009, 58, 1816-1825.	0.6	118
17	Antiapoptotic Signaling Generated by Caspase-Induced Cleavage of RasGAP. Molecular and Cellular Biology, 2001, 21, 5346-5358.	2.3	108
18	H-2-restricted cytolytic T lymphocytes specific for HLA display T cell receptors of limited diversity.. Journal of Experimental Medicine, 1992, 176, 439-447.	8.5	102

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19	High-density lipoprotein, beta cells, and diabetes. Cardiovascular Research, 2014, 103, 384-394.	3.8	93
20	T helper epitopes enhance the cytotoxic response of mice immunized with MHC class I-restricted malaria peptides. Journal of Immunological Methods, 1992, 155, 95-99.	1.4	91
21	Partial Cleavage of RasGAP by Caspases Is Required for Cell Survival in Mild Stress Conditions. Molecular and Cellular Biology, 2004, 24, 10425-10436.	2.3	80
22	Endoplasmic Reticulum Stress Links Oxidative Stress to Impaired Pancreatic Beta-Cell Function Caused by Human Oxidized LDL. PLoS ONE, 2016, 11, e0163046.	2.5	75
23	Potentiation of apoptosis by low dose stress stimuli in cells expressing activated MEK kinase 1. Oncogene, 1997, 15, 2439-2447.	5.9	70
24	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, 1094-1102.	3.7	66
25	Reovirus Infection Activates JNK and the JNK-Dependent Transcription Factor c-Jun. Journal of Virology, 2001, 75, 11275-11283.	3.4	65
26	HDLs Protect Pancreatic Î²-Cells Against ER Stress by Restoring Protein Folding and Trafficking. Diabetes, 2012, 61, 1100-1111.	0.6	63
27	Caspase-3 Protects Stressed Organs against Cell Death. Molecular and Cellular Biology, 2012, 32, 4523-4533.	2.3	63
28	Differential Involvement of MEK Kinase 1 (MEKK1) in the Induction of Apoptosis in Response to Microtubule-targeted Drugsversus DNA Damaging Agents. Journal of Biological Chemistry, 1999, 274, 10916-10922.	3.4	62
29	Role of the amino-terminal domains of MEKKs in the activation of NFÎºB and MAPK pathways and in the regulation of cell proliferation and apoptosis. Cellular Signalling, 2002, 14, 123-131.	3.6	59
30	Spatial, temporal and subcellular localization of islet-brain 1 (IB1), a homologue of JIP-1, in mouse brain. European Journal of Neuroscience, 2000, 12, 621-632.	2.6	55
31	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. Oncogene, 2004, 23, 8971-8978.	5.9	53
32	The RasGAP N-terminal Fragment Generated by Caspase Cleavage Protects Cells in a Ras/PI3K/Akt-dependent Manner That Does Not Rely on NFÎºB Activation. Journal of Biological Chemistry, 2002, 277, 14641-14646.	3.4	51
33	CRISPR/Cas9 genome-wide screening identifies KEAP1 as a sorafenib, lenvatinib, and regorafenib sensitivity gene in hepatocellular carcinoma. Oncotarget, 2019, 10, 7058-7070.	1.8	50
34	Promises of Apoptosis-Inducing Peptides in Cancer Therapeutics. Current Pharmaceutical Biotechnology, 2011, 12, 1153-1165.	1.6	48
35	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.	3.7	46
36	Revisiting G3BP1 as a RasGAP Binding Protein: Sensitization of Tumor Cells to Chemotherapy by the RasGAP 317â€"326 Sequence Does Not Involve G3BP1. PLoS ONE, 2011, 6, e29024.	2.5	46

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37	Surviving the kiss of death. Biochemical Pharmacology, 2004, 68, 1027-1031.	4.4	44
38	HDLs, Diabetes, and Metabolic Syndrome. Handbook of Experimental Pharmacology, 2015, 224, 405-421.	1.8	44
39	Aldehyde dehydrogenase activity plays a Key role in the aggressive phenotype of neuroblastoma. BMC Cancer, 2016, 16, 781.	2.6	44
40	Identification of Clotrimazole Derivatives as Specific Inhibitors of Arenavirus Fusion. Journal of Virology, 2019, 93, .	3.4	43
41	Apoptosis Stimulated by the 91-kDa Caspase Cleavage MEKK1 Fragment Requires Translocation to Soluble Cellular Compartments. Journal of Biological Chemistry, 2002, 277, 10283-10291.	3.4	39
42	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.	3.4	39
43	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, 19957-19963.	3.4	37
44	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, 3511-3520.	2.1	37
45	Caspase substrates and neurodegenerative diseases. Brain Research Bulletin, 2009, 80, 251-267.	3.0	35
46	Caspase-3 and RasGAP: a stress-sensing survival/demise switch. Trends in Cell Biology, 2014, 24, 83-89.	7.9	35
47	Effect of RasGAP N2 Fragmentâ€"Derived Peptide on Tumor Growth in Mice. Journal of the National Cancer Institute, 2009, 101, 828-832.	6.3	34
48	GAP-independent functions of DLC1 in metastasis. Cancer and Metastasis Reviews, 2014, 33, 87-100.	5.9	32
49	Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. ELife, 2021, 10, .	6.0	31
50	Harnessing Oxidative Stress as an Innovative Target for Cancer Therapy. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-2.	4.0	29
51	TAT-RasGAP317-326 Requires p53 and PUMA to Sensitize Tumor Cells to Genotoxins. Molecular Cancer Research, 2007, 5, 497-507.	3.4	27
52	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, 1094-1102.	3.7	26
53	Effect of the TAT-RasGAP317â€"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.	3.8	23
54	Role of the transcriptional factor C/EBPÎ² in free fatty acid-elicited Î²-cell failure. Molecular and Cellular Endocrinology, 2009, 305, 47-55.	3.2	23

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55	The Anticancer Peptide TAT-RasGAP317â˘’326 Exerts Broad Antimicrobial Activity. Frontiers in Microbiology, 2017, 8, 994.	3.5	23
56	TAT-RasGAP₃₁₇₋₃₂₆kills cells by targeting inner-leafletâ€“enriched phospholipids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31871-31881.	7.1	22
57	The functional halfâ€•life of Hâ€•2K^dâ€•restricted T cell epitopes on living cells. European Journal of Immunology, 1996, 26, 1993-1999.	2.9	21
58	A WXW Motif Is Required for the Anticancer Activity of the TAT-RasGAP317â€“326 Peptide. Journal of Biological Chemistry, 2014, 289, 23701-23711.	3.4	21
59	The Î´-Opioid Receptor Affects Epidermal Homeostasis via ERK-Dependent Inhibition of Transcription Factor POU2F3. Journal of Investigative Dermatology, 2015, 135, 471-480.	0.7	21
60	The TAT-RasGAP317-326 anti-cancer peptide can kill in a caspase-, apoptosis-, and necroptosis-independent manner. Oncotarget, 2016, 7, 64342-64359.	1.8	21
61	DNA-damage sensitizers: Potential new therapeutical tools to improve chemotherapy. Critical Reviews in Oncology/Hematology, 2007, 63, 160-171.	4.4	20
62	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, 38818-38831.	3.4	20
63	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, 32835-32842.	3.4	19
64	Reactive oxygen/nitrogen species contribute substantially to the antileukemia effect of APO866, a NAD lowering agent. Oncotarget, 2019, 10, 6723-6738.	1.8	19
65	Involvement of 4E-BP1 in the Protection Induced by HDLs on Pancreatic Î²-Cells. Molecular Endocrinology, 2009, 23, 1572-1586.	3.7	18
66	The endocytic pathway taken by cationic substances requires Rab14 but not Rab5 and Rab7. Cell Reports, 2021, 37, 109945.	6.4	18
67	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.	3.2	17
68	Fragment N2, a caspase-3-generated RasGAP fragment, inhibits breast cancer metastatic progression. International Journal of Cancer, 2014, 135, 242-247.	5.1	16
69	LDLs stimulate p38 MAPKs and wound healing through SR-BI independently of Ras and PI3 kinase. Journal of Lipid Research, 2009, 50, 81-89.	4.2	15
70	Islet-Brain (IB)/JNK-Interacting Proteins (JIPs): Future Targets for the Treatment of Neurodegenerative Diseases?. Current Neurovascular Research, 2004, 1, 111-127.	1.1	14
71	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.	2.5	14
72	Combinative effects of Î²-Lapachone and APO866 on pancreatic cancer cell death through reactive oxygen species production and PARP-1 activation. Biochimie, 2015, 116, 141-153.	2.6	14

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73	Cholesterol is the major component of native lipoproteins activating the p38 mitogen-activated protein kinases. Biological Chemistry, 2005, 386, 909-918.	2.5	13
74	High resolution crystal structures of the p120 RasGAP SH3 domain. Biochemical and Biophysical Research Communications, 2007, 353, 463-468.	2.1	13
75	The antimicrobial peptide TAT-RasGAP317-326 inhibits the formation and expansion of bacterial biofilms in vitro. Journal of Global Antimicrobial Resistance, 2021, 25, 227-231.	2.2	13
76	Signal transduction and desensitization of the glucagon-like peptide-1 receptor. Acta Physiologica Scandinavica, 1996, 157, 317-319.	2.2	12
77	Splice variant-specific stabilization of JNKs by IB1/JIP1. Cellular Signalling, 2007, 19, 2201-2207.	3.6	11
78	TAT-RasGAP317â€"326 Enhances Radiosensitivity of Human Carcinoma Cell Lines In Vitro and In Vivo through Promotion of Delayed Mitotic Cell Death. Radiation Research, 2017, 187, 562.	1.5	11
79	TAT-RasGAP317â€"326-mediated tumor cell death sensitization can occur independently of Bax and Bak. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 719-733.	4.9	10
80	ASH2L drives proliferation and sensitivity to bleomycin and other genotoxins in Hodgkinâ€™s lymphoma and testicular cancer cells. Cell Death and Disease, 2020, 11, 1019.	6.3	10
81	A subset of caspase substrates functions as the Jekyll and Hyde of apoptosis. European Cytokine Network, 2002, 13, 404-6.	2.0	10
82	RasGTPase-activating protein is a target of caspases in spontaneous apoptosis of lung carcinoma cells and in response to etoposide. Carcinogenesis, 2004, 25, 909-921.	2.8	9
83	LDLs induce fibroblast spreading independently of the LDL receptor via activation of the p38 MAPK pathway. Journal of Lipid Research, 2003, 44, 2382-2390.	4.2	8
84	Genetics and molecular biology. Current Opinion in Lipidology, 2012, 23, 165-166.	2.7	8
85	Assessment of the Chemosensitizing Activity of TAT-RasGAP317-326 in Childhood Cancers. PLoS ONE, 2015, 10, e0120487.	2.5	8
86	Lipoproteins and mitogen-activated protein kinase signaling: a role in atherogenesis?. Current Opinion in Lipidology, 2006, 17, 110-121.	2.7	7
87	Expression of the NH2-Terminal Fragment of RasGAP in Pancreatic Â-Cells Increases Their Resistance to Stresses and Protects Mice From Diabetes. Diabetes, 2009, 58, 2596-2606.	0.6	7
88	The caspase-3/p120 RasGAP module generates a NF-ÎºB repressor in response to cellular stress. Journal of Cell Science, 2015, 128, 3502-13.	2.0	7
89	Genetics and molecular biology: HDLs and their multiple ways to protect cells. Current Opinion in Lipidology, 2008, 19, 95-97.	2.7	5
90	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, 2081-2091.	2.6	5

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91	The role of endogenous and exogenous RasGAP-derived fragment N in protecting cardiomyocytes from peroxynitrite-induced apoptosis. Free Radical Biology and Medicine, 2012, 53, 926-935.	2.9	5
92	Genetics and molecular biology. Current Opinion in Lipidology, 2015, 26, 596-597.	2.7	5
93	Burning fat to keep your stem cells? The role of fatty acid oxidation in various tissue stem cells. Current Opinion in Lipidology, 2018, 29, 426-427.	2.7	5
94	Squalene: friend or foe for cancers. Current Opinion in Lipidology, 2019, 30, 353-354.	2.7	5
95	Bacterial surface properties influence the activity of the TAT-RasGAP317-326 antimicrobial peptide. IScience, 2021, 24, 102923.	4.1	5
96	APOBEC3C, a nucleolar protein induced by genotoxins, is excluded from DNA damage sites. FEBS Journal, 2022, 289, 808-831.	4.7	5
97	Role of mTOR, Bad, and Survivin in RasGAP Fragment N-Mediated Cell Protection. PLoS ONE, 2013, 8, e68123.	2.5	5
98	Lipid metabolism: sphingolipids- from membrane constituents to signaling molecules that control cell-to-cell communications. Current Opinion in Lipidology, 2008, 19, 620-621.	2.7	4
99	Generation of a tightly regulated all-cis Î² cell-specific tetracycline-inducible vector. BioTechniques, 2008, 45, 411-420.	1.8	4
100	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, 2992-2997.	3.6	4
101	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, 19653-19665.	3.4	4
102	The caspaseâ€3/p120 RasGAP stressâ€sensing module reduces liver cancer incidence but does not affect overall survival in gammaâ€irradiated and carcinogenâ€treated mice. Molecular Carcinogenesis, 2017, 56, 1680-1684.	2.7	4
103	The PI3K/Akt pathway is not a main driver in HDL-mediated cell protection. Cellular Signalling, 2019, 62, 109347.	3.6	4
104	The interplay between serum amyloid A and HDLs. Current Opinion in Lipidology, 2020, 31, 300-301.	2.7	4
105	The proteolytic landscape of cells exposed to non-lethal stresses is shaped by executioner caspases. Cell Death Discovery, 2021, 7, 164.	4.7	4
106	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, 167-173.	2.1	3
107	UV-B induces cytoplasmic survivin expression in mouse epidermis. Journal of Dermatological Science, 2012, 67, 196-199.	1.9	3
108	Loss-of-function of the long non-coding RNA A830019P07Rik in mice does not affect insulin expression and secretion. Scientific Reports, 2020, 10, 6413.	3.3	3

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109	Evaluation and validation of commercial antibodies for the detection of Shb. PLoS ONE, 2017, 12, e0188311.	2.5	3
110	HDLs extract lipophilic drugs from cells. Journal of Cell Science, 2022, 135, .	2.0	2
111	The EnvZ/OmpR Two-Component System Regulates the Antimicrobial Activity of TAT-RasGAP ₃₁₇₋₃₂₆ and the Collateral Sensitivity to Other Antibacterial Agents. Microbiology Spectrum, 2022, 10, e0200921.	3.0	2
112	ABC transporters: HDL-regulated gatekeepers at the endothelial border. Current Opinion in Lipidology, 2009, 20, 526-527.	2.7	1
113	The HDL: adipocyte connection. Current Opinion in Lipidology, 2010, 21, 388-389.	2.7	1
114	Genetics and molecular biology. Current Opinion in Lipidology, 2011, 22, 315-316.	2.7	1
115	Caspases. , 2007, , 1-3.		0
116	Genetics and molecular biology: so, so complex HDLs!. Current Opinion in Lipidology, 2009, 20, 254-255.	2.7	0
117	Genetics and molecular biology. Current Opinion in Lipidology, 2013, 24, 103-104.	2.7	0
118	The control of lipid-induced inflammation by macrophages. Current Opinion in Lipidology, 2013, 24, 528-529.	2.7	0
119	Triglyceride and HDL. Current Opinion in Lipidology, 2014, 25, 404-405.	2.7	0
120	Are HDL receptors really located where we think they are in the liver?. Current Opinion in Lipidology, 2016, 27, 424-425.	2.7	0
121	Acetate is the master of its fate, genetics, and molecular biology bimonthly update. Current Opinion in Lipidology, 2016, 27, 636-637.	2.7	0
122	Fatty acid metabolism regulates cell survival in specific niches. Current Opinion in Lipidology, 2017, 28, 284-285.	2.7	0
123	Caspase 3. , 2007, , 1-9.		0