

Martin KrÄjnke

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,183
citations

218677

26
h-index

254184

43
g-index

45
all docs

45
docs citations

45
times ranked

7303
citing authors

#	ARTICLE	IF	CITATIONS
1	REGULATION OF CERAMIDE PRODUCTION AND APOPTOSIS. Annual Review of Physiology, 1998, 60, 643-665.	13.1	763
2	Functional dichotomy of neutral and acidic sphingomyelinases in tumor necrosis factor signaling. Cell, 1994, 78, 1005-1015.	28.9	730
3	Caspase-8 is the molecular switch for apoptosis, necroptosis and pyroptosis. Nature, 2019, 575, 683-687.	27.8	568
4	Obesity-Induced CerS6-Dependent C16:0 Ceramide Production Promotes Weight Gain and Glucose Intolerance. Cell Metabolism, 2014, 20, 678-686.	16.2	520
5	FAN, a Novel WD-Repeat Protein, Couples the p53 TNF-Receptor to Neutral Sphingomyelinase. Cell, 1996, 86, 937-947.	28.9	375
6	Recent Zika Virus Isolates Induce Premature Differentiation of Neural Progenitors in Human Brain Organoids. Cell Stem Cell, 2017, 20, 397-406.e5.	11.1	267
7	Soluble HLA class I molecules induce apoptosis in alloreactive cytotoxic T lymphocytes. Nature Medicine, 1996, 2, 1005-1010.	30.7	262
8	Riboflavin kinase couples TNF receptor 1 to NADPH oxidase. Nature, 2009, 460, 1159-1163.	27.8	197
9	Soluble ligands for NK cell receptors promote evasion of chronic lymphocytic leukemia cells from NK cell anti-tumor activity. Blood, 2013, 121, 3658-3665.	1.4	184
10	A Novel Cytoplasmic Domain of the p53 Tumor Necrosis Factor Receptor Initiates the Neutral Sphingomyelinase Pathway. Journal of Biological Chemistry, 1996, 271, 14617-14622.	3.4	134
11	Novel Tumor Necrosis Factor-responsive Mammalian Neutral Sphingomyelinase-3 Is a C-tail-anchored Protein. Journal of Biological Chemistry, 2006, 281, 13784-13793.	3.4	120
12	Salmonella Typhimurium disrupts Sirt1/AMPK checkpoint control of mTOR to impair autophagy. PLoS Pathogens, 2017, 13, e1006227.	4.7	104
13	The β 2 Integrin Mac-1 Induces Protective LC3-Associated Phagocytosis of <i>Listeria monocytogenes</i> . Cell Host and Microbe, 2018, 23, 324-337.e5.	11.0	93
14	Impaired neutral sphingomyelinase activation and cutaneous barrier repair in FAN-deficient mice. EMBO Journal, 1999, 18, 2472-2479.	7.8	77
15	Purification and Characterization of a Magnesium-dependent Neutral Sphingomyelinase from Bovine Brain. Journal of Biological Chemistry, 2000, 275, 7641-7647.	3.4	71
16	Mitochondrial reactive oxygen species enable proinflammatory signaling through disulfide linkage of NEMO. Science Signaling, 2019, 12, .	3.6	69
17	Proteomics-Based Identification of Anchorless Cell Wall Proteins as Vaccine Candidates against <i>Staphylococcus aureus</i> . Infection and Immunity, 2009, 77, 2719-2729.	2.2	68
18	Human Endothelial Cell Activation and Mediator Release in Response to <i>Listeria monocytogenes</i> Virulence Factors. Infection and Immunity, 2001, 69, 897-905.	2.2	67

#	ARTICLE	IF	CITATIONS
19	Riboflavin (vitamin B ₂) deficiency impairs NADPH oxidase 2 (Nox2) priming and defense against <i>Listeria monocytogenes</i> . <i>European Journal of Immunology</i> , 2014, 44, 728-741.	2.9	59
20	BID-dependent release of mitochondrial SMAC dampens XIAP-mediated immunity against <i>Shigella</i> . <i>EMBO Journal</i> , 2014, 33, 2171-2187.	7.8	52
21	Ceramide Synthase 4 Regulates Stem Cell Homeostasis and Hair Follicle Cycling. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1501-1509.	0.7	40
22	Role of caspases in TNF-mediated regulation of cPLA2. <i>FEBS Letters</i> , 2002, 531, 18-22.	2.8	33
23	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <i>Nature Microbiology</i> , 2020, 5, 354-367.	13.3	33
24	PtdIns(4,5)P-restricted plasma membrane localization of FAN is involved in TNF-induced actin reorganization. <i>EMBO Journal</i> , 2007, 26, 3308-3321.	7.8	32
25	Caspase 7-induced cleavage of kinectin in apoptotic cells. <i>FEBS Letters</i> , 1998, 436, 51-54.	2.8	29
26	Hypoxia-induced changes in plasma micro-RNAs correlate with pulmonary artery pressure at high altitude. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L157-L164.	2.9	26
27	NOX enzymes as drug targets. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2279-2282.	5.4	21
28	The growth of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> in low-direct current electric fields. <i>International Journal of Oral Science</i> , 2014, 6, 7-14.	8.6	20
29	Macrophages target <i>Listeria monocytogenes</i> by two discrete non-canonical autophagy pathways. <i>Autophagy</i> , 2022, 18, 1090-1107.	9.1	20
30	A tissue-specific screen of ceramide expression in aged mice identifies ceramide synthase 1 and ceramide synthase 5 as potential regulators of fiber size and strength in skeletal muscle. <i>Aging Cell</i> , 2020, 19, e13049.	6.7	18
31	TRIM21 Is Targeted for Chaperone-Mediated Autophagy during <i>Salmonella</i> Typhimurium Infection. <i>Journal of Immunology</i> , 2020, 205, 2456-2467.	0.8	18
32	Ceramide Synthase 5 Deficiency Aggravates Dextran Sodium Sulfate-Induced Colitis and Colon Carcinogenesis and Impairs T-Cell Activation. <i>Cancers</i> , 2020, 12, 1753.	3.7	17
33	IAP antagonization promotes inflammatory destruction of vascular endothelium. <i>EMBO Reports</i> , 2015, 16, 719-727.	4.5	15
34	p22 ^{phox} C242T Single-Nucleotide Polymorphism Inhibits Inflammatory Oxidative Damage to Endothelial Cells and Vessels. <i>Circulation</i> , 2016, 133, 2391-2403.	1.6	15
35	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , 2020, 73, 1347-1359.	3.7	11
36	Murine Epidermal Ceramide Synthase 4 Is a Key Regulator of Skin Barrier Homeostasis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1927-1937.e5.	0.7	11

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37	Epitope-specific immunity against Staphylococcus aureus coproporphyrinogen III oxidase. Npj Vaccines, 2021, 6, 11.	6.0	10
38	Highly Efficient Transfection of Primary Macrophages with In Vitro Transcribed mRNA. Journal of Visualized Experiments, 2019, , .	0.3	9
39	Generation and selection of antibodies for a novel immunochromatographic lateral flow test to rapidly identify OXA-23-like-mediated carbapenem resistance in Acinetobacter baumannii. Journal of Medical Microbiology, 2019, 68, 1021-1032.	1.8	7
40	Endogenous IL10 Alleviates the Systemic Antiviral Cellular Immune Response and T Cell-Mediated Immunopathology in Select Organs of Acutely LCMV-Infected Mice. American Journal of Pathology, 2015, 185, 3025-3038.	3.8	5
41	CHIP ubiquitylates NOXA and induces its lysosomal degradation in response to DNA damage. Cell Death and Disease, 2020, 11, 740.	6.3	5
42	NOX2 Deficiency Permits Sustained Survival of S. aureus in Macrophages and Contributes to Severity of Infection. Frontiers in Immunology, 2021, 12, 633629.	4.8	4
43	When the Phagosome Gets Leaky: Pore-Forming Toxin-Induced Non-Canonical Autophagy (PINCA). Frontiers in Cellular and Infection Microbiology, 2022, 12, 834321.	3.9	4
44	SPHINGOMYELINASES IN CELL SIGNALING. Biochemical Society Transactions, 1999, 27, A78-A78.	3.4	0
45	Editorial. Immunobiology, 2008, 213, 159.	1.9	0