Erich Gulbins

List of Publications by Year
in descending order

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386	29,004	3721	7718
papers	citations	89 h-index	150 g-index

402	402	402	22587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Therapy of CF-Patients with Amitriptyline and Placebo - a Randomised, Double-Blind, Placebo-Controlled Phase IIb Multicenter, Cohort-Study. Cellular Physiology and Biochemistry, 2013, 31, 505-512.	1.1	1,925
2	Functional Significance of Cell Volume Regulatory Mechanisms. Physiological Reviews, 1998, 78, 247-306.	13.1	1,706
3	CD95 Signaling via Ceramide-rich Membrane Rafts. Journal of Biological Chemistry, 2001, 276, 20589-20596.	1.6	559
4	Host defense against Pseudomonas aeruginosa requires ceramide-rich membrane rafts. Nature Medicine, 2003, 9, 322-330.	15.2	521
5	Ceramide accumulation mediates inflammation, cell death and infection susceptibility in cystic fibrosis. Nature Medicine, 2008, 14, 382-391.	15.2	501
6	FAS-induced apoptosis is mediated via a ceramide-initiated RAS signaling pathway. Immunity, 1995, 2, 341-351.	6.6	421
7	Liver cell death and anemia in Wilson disease involve acid sphingomyelinase and ceramide. Nature Medicine, 2007, 13, 164-170.	15.2	406
8	Raft ceramide in molecular medicine. Oncogene, 2003, 22, 7070-7077.	2.6	392
9	Ceramide Enables Fas to Cap and Kill. Journal of Biological Chemistry, 2001, 276, 23954-23961.	1.6	354
10	Acid sphingomyelinaseâ€“ceramide system mediates effects of antidepressant drugs. Nature Medicine, 2013, 19, 934-938.	15.2	313
11	Acidic Sphingomyelinase Mediates Entry of N. gonorrhoeae into Nonphagocytic Cells. Cell, 1997, 91, 605-615.	13.5	307
12	Functional Inhibitors of Acid Sphingomyelinase (FIASMAs): A Novel Pharmacological Group of Drugs with Broad Clinical Applications. Cellular Physiology and Biochemistry, 2010, 26, 9-20.	1.1	299
13	Ion Channels in Cell Proliferation and Apoptotic Cell Death. Journal of Membrane Biology, 2005, 205, 147-157.	1.0	286
14	Fas- or Ceramide-induced Apoptosis Is Mediated by a Rac1-regulated Activation of Jun N-terminal Kinase/p38 Kinases and GADD153. Journal of Biological Chemistry, 1997, 272, 22173-22181.	1.6	282
15	Ceramide-enriched membrane domains. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 284-294.	1.9	282
16	Suicidal erythrocyte death in sepsis. Journal of Molecular Medicine, 2007, 85, 273-281.	1.7	277
17	PAF-mediated pulmonary edema: a new role for acid sphingomyelinase and ceramide. Nature Medicine, 2004, 10, 155-160.	15.2	276
18	Ca2+-Activated K Channel of the BK-Type in the Inner Mitochondrial Membrane of a Human Glioma Cell Line. Biochemical and Biophysical Research Communications, 1999, 257, 549-554.	1.0	261

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19	Ceramide-mediated clustering is required for CD95-DISC formation. Oncogene, 2003, 22, 5457-5470.	2.6	258
20	CD95/CD95 Ligand Interactions on Epithelial Cells in Host Defense to Pseudomonas aeruginosa. Science, 2000, 290, 527-530.	6.0	248
21	Ceramide-Rich Membrane Rafts Mediate CD40 Clustering. Journal of Immunology, 2002, 168, 298-307.	0.4	239
22	Hepatocyte exosomes mediate liver repair and regeneration via sphingosine-1-phosphate. Journal of Hepatology, 2016, 64, 60-68.	1.8	235
23	Eryptosis, a Window to Systemic Disease. Cellular Physiology and Biochemistry, 2008, 22, 373-380.	1.1	228
24	Cell Volume in the Regulation of Cell Proliferation and Apoptotic Cell Death. Cellular Physiology and Biochemistry, 2000, 10, 417-428.	1.1	222
25	Brain membrane lipids in major depression and anxiety disorders. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1052-1065.	1.2	222
26	Ceramide-enriched membrane domainsâ€"Structure and function. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 178-183.	1.4	212
27	Ceramide in Suicidal Death of Erythrocytes. Cellular Physiology and Biochemistry, 2010, 26, 21-28.	1.1	211
28	Tyrosine Phosphorylation-dependent Suppression of a Voltage-gated K+ Channel in T Lymphocytes upon Fas Stimulation. Journal of Biological Chemistry, 1996, 271, 20465-20469.	1.6	204
29	Identification of New Functional Inhibitors of Acid Sphingomyelinase Using a Structureâ^'Propertyâ^'Activity Relation Model. Journal of Medicinal Chemistry, 2008, 51, 219-237.	2.9	203
30	Physiological and pathophysiological aspects of ceramide. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R11-R26.	0.9	202
31	Tyrosine kinase-dependent activation of a chloride channel in CD95-induced apoptosis in T lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6169-6174.	3.3	198
32	Rhinoviruses Infect Human Epithelial Cells via Ceramide-enriched Membrane Platforms. Journal of Biological Chemistry, 2005, 280, 26256-26262.	1.6	195
33	Mitochondrial potassium channel Kv1.3 mediates Bax-induced apoptosis in lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14861-14866.	3.3	194
34	A Novel Potassium Channel in Lymphocyte Mitochondria. Journal of Biological Chemistry, 2005, 280, 12790-12798.	1.6	188
35	Engineered liposomes sequester bacterial exotoxins and protect from severe invasive infections in mice. Nature Biotechnology, 2015, 33, 81-88.	9.4	187
36	Ceramide-induced inhibition of T lymphocyte voltage-gated potassium channel is mediated by tyrosine kinases. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7661-7666.	3.3	183

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37	Molecular Mechanisms of Ceramide-Mediated CD95 Clustering. Biochemical and Biophysical Research Communications, 2001, 284, 1016-1030.	1.0	181
38	Reactive oxygen species limit neutrophil life span by activating death receptor signaling. Blood, 2004, 104, 2557-2564.	0.6	176
39	Lipid Raft Clustering and Redox Signaling Platform Formation in Coronary Arterial Endothelial Cells. Hypertension, 2006, 47, 74-80.	1.3	176
40	Stimulation of CD95 (Fas) blocks T lymphocyte calcium channels through sphingomyelinase and sphingolipids. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13795-13800.	3.3	174
41	Cell Volume Regulatory Ion Channels in Cell Proliferation and Cell Death. Methods in Enzymology, 2007, 428, 209-225.	0.4	174
42	Biological aspects of ceramide-enriched membrane domains. Progress in Lipid Research, 2007, 46, 161-170.	5.3	170
43	Antidepressants act by inducing autophagy controlled by sphingomyelinâ€“ceramide. Molecular Psychiatry, 2018, 23, 2324-2346.	4.1	166
44	The Tyrosine Kinase p56lck Mediates Activation of Swelling-induced Chloride Channels in Lymphocytes. Journal of Cell Biology, 1998, 141, 281-286.	2.3	164
45	Suicide for Survival - Death of Infected Erythrocytes as a Host Mechanism to Survive Malaria. Cellular Physiology and Biochemistry, 2009, 24, 133-140.	1.1	155
46	Ceramide, membrane rafts and infections. Journal of Molecular Medicine, 2004, 82, 357-363.	1.7	153
47	Acid Sphingomyelinase Inhibitors Normalize Pulmonary Ceramide and Inflammation in Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 716-724.	1.4	153
48	Cisplatin-Induced Apoptosis Involves Membrane Fluidification via Inhibition of NHE1 in Human Colon Cancer Cells. Cancer Research, 2007, 67, 7865-7874.	0.4	145
49	Identification of Novel Functional Inhibitors of Acid Sphingomyelinase. PLoS ONE, 2011, 6, e23852.	1.1	145
50	L-Selectin activates the Ras pathway via the tyrosine kinase p56lck. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15376-15381.	3.3	144
51	Pharmacological Inhibition of Acid Sphingomyelinase Prevents Uptake of SARS-CoV-2 by Epithelial Cells. Cell Reports Medicine, 2020, 1, 100142.	3.3	142
52	Sphingomyelinase-induced adhesion of eryptotic erythrocytes to endothelial cells. American Journal of Physiology - Cell Physiology, 2012, 303, C991-C999.	2.1	141
53	Conjugated bilirubin triggers anemia by inducing erythrocyte death. Hepatology, 2015, 61, 275-284.	3.6	141
54	Sphingolipids in the Lungs. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1100-1114.	2.5	139

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55	Direct Pharmacological Targeting of a Mitochondrial Ion Channel Selectively Kills Tumor Cells InÂVivo. Cancer Cell, 2017, 31, 516-531.e10.	7.7	138
56	Inhibitors of mitochondrial Kv1.3 channels induce Bax/Bakâ€‐independent death of cancer cells. EMBO Molecular Medicine, 2012, 4, 577-593.	3.3	136
57	Molecular mechanisms of bacteria induced apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2001, 6, 441-445.	2.2	135
58	Role of Mitochondria in Apoptosis. Experimental Physiology, 2003, 88, 85-90.	0.9	135
59	Regulation of death receptor signaling and apoptosis by ceramide. Pharmacological Research, 2003, 47, 393-399.	3.1	133
60	Ceramide and cell death receptor clustering. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2002, 1585, 139-145.	1.2	132
61	Mechanisms of Staphylococcus aureus induced apoptosis of human endothelial cells. Apoptosis: an International Journal on Programmed Cell Death, 2001, 6, 431-439.	2.2	131
62	Membrane rafts in hostâ€“pathogen interactions. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 2139-2147.	1.4	131
63	CD66-mediated phagocytosis of Opa52 Neisseria gonorrhoeae requires a Src-like tyrosine kinase- and Rac1-dependent signalling pathway. EMBO Journal, 1998, 17, 443-454.	3.5	129
64	Fas/CD95/Apo-I activates the acidic sphingomyelinase via Caspases. Cell Death and Differentiation, 1998, 5, 29-37.	5.0	128
65	Accelerated Clearance of Plasmodium-infected Erythrocytes in Sickle Cell Trait and Annexin-A7 Deficiency. Cellular Physiology and Biochemistry, 2009, 24, 415-428.	1.1	128
66	High activity of acid sphingomyelinase in major depression. Journal of Neural Transmission, 2005, 112, 1583-1590.	1.4	126
67	Pseudomonas aeruginosaPyocyanin Induces Neutrophil DeathviaMitochondrial Reactive Oxygen Species and Mitochondrial Acid Sphingomyelinase. Antioxidants and Redox Signaling, 2015, 22, 1097-1110.	2.5	122
68	Mitochondrial Ceramide-Rich Macrodomains Functionalize Bax upon Irradiation. PLoS ONE, 2011, 6, e19783.	1.1	122
69	Lipids in psychiatric disorders and preventive medicine. Neuroscience and Biobehavioral Reviews, 2017, 76, 336-362.	2.9	116
70	Natural Ceramide Reverses Fas Resistance of Acid Sphingomyelinase â˜'â˜' Hepatocytes. Journal of Biological Chemistry, 2001, 276, 8297-8305.	1.6	114
71	Intracellular ion channels and cancer. Frontiers in Physiology, 2013, 4, 227.	1.3	113
72	Ceramide-induced cell death in malignant cells. Cancer Letters, 2008, 264, 1-10.	3.2	112

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73	CD95-mediated Apoptosis in Vivo Involves Acid Sphingomyelinase. Journal of Biological Chemistry, 2000, 275, 27316-27323.	1.6	112
74	Cystic fibrosis and innate immunity: how chloride channel mutations provoke lung disease. Cellular Microbiology, 2009, 11, 208-216.	1.1	110
75	Sphingoid long chain bases prevent lung infection by Pseudomonas aeruginosa. EMBO Molecular Medicine, 2014, 6, 1205-1214.	3.3	109
76	Acid sphingomyelinase is involved in CEACAM receptor-mediated phagocytosis ofNeisseria gonorrhoeae. FEBS Letters, 2000, 478, 260-266.	1.3	107
77	Acid Sphingomyelinase and Its Redox Amplification in Formation of Lipid Raft Redox Signaling Platforms in Endothelial Cells. Antioxidants and Redox Signaling, 2007, 9, 817-828.	2.5	107
78	Lipid Raft Clustering and Redox Signaling Platform Formation in Coronary Arterial Endothelial Cells. Hypertension, 2006, 47, 74-80.	1.3	106
79	CCNU-dependent potentiation of TRAIL/Apo2L-induced apoptosis in human glioma cells is p53-independent but may involve enhanced cytochrome c release. Oncogene, 2001, 20, 4128-4137.	2.6	104
80	Alveolar inflammation in cystic fibrosis. Journal of Cystic Fibrosis, 2010, 9, 217-227.	0.3	103
81	Inhibition of acid sphingomyelinase by tricyclic antidepressants and analogons. Frontiers in Physiology, 2014, 5, 331.	1.3	103
82	Endothelial Nlrp3 inflammasome activation associated with lysosomal destabilization during coronary arteritis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 396-408.	1.9	102
83	Ceramide inhibits the potassium channel Kv1.3 by the formation of membrane platforms. Biochemical and Biophysical Research Communications, 2003, 305, 890-897.	1.0	101
84	Activation of Nlrp3 Inflammasomes Enhances Macrophage Lipid-Deposition and Migration: Implication of a Novel Role of Inflammasome in Atherogenesis. PLoS ONE, 2014, 9, e87552.	1.1	100
85	The ceramide system as a novel antidepressant target. Trends in Pharmacological Sciences, 2014, 35, 293-304.	4.0	96
86	Enhancement of endothelial permeability by free fatty acid through lysosomal cathepsin B-mediated Nlrp3 inflammasome activation. Oncotarget, 2016, 7, 73229-73241.	0.8	95
87	Stimulation of Erythrocyte Phosphatidylserine Exposure by Paclitaxel. Cellular Physiology and Biochemistry, 2006, 18, 151-164.	1.1	94
88	Acid Sphingomyelinase Amplifies Redox Signaling in Pseudomonas aeruginosa-Induced Macrophage Apoptosis. Journal of Immunology, 2008, 181, 4247-4254.	0.4	92
89	Cationic cell-penetrating peptides induce ceramide formation via acid sphingomyelinase: Implications for uptake. Journal of Controlled Release, 2010, 147, 171-179.	4.8	92
90	Ceramide: Physiological and pathophysiological aspects. Archives of Biochemistry and Biophysics, 2007, 462, 171-175.	1.4	90

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91	Alterations in Ceramide Concentration and pH Determine the Release of Reactive Oxygen Species by Cftr-Deficient Macrophages on Infection. Journal of Immunology, 2010, 184, 5104-5111.	0.4	90
92	Ion Channels and Cell Volume in Regulation of Cell Proliferation and Apoptotic Cell Death. , 2006, 152, 142-160.		86
93	Î²1-Integrin Accumulates in Cystic Fibrosis Luminal Airway Epithelial Membranes and Decreases Sphingosine, Promoting Bacterial Infections. Cell Host and Microbe, 2017, 21, 707-718.e8.	5.1	86
94	Clustering of CD40 Ligand Is Required to Form a Functional Contact with CD40. Journal of Biological Chemistry, 2002, 277, 30289-30299.	1.6	84
95	Amyloid Induced Suicidal Erythrocyte Death. Cellular Physiology and Biochemistry, 2007, 19, 175-184.	1.1	84
96	The tyrosine kinase Lck is required for CD95-independent caspase-8 activation and apoptosis in response to ionizing radiation. Oncogene, 1999, 18, 4983-4992.	2.6	83
97	Pseudomonas aeruginosa-Induced Apoptosis Involves Mitochondria and Stress-Activated Protein Kinases. Infection and Immunity, 2001, 69, 2675-2683.	1.0	83
98	Invasion of Human Epithelial Cells byPseudomonas aeruginosa Involves Src-Like Tyrosine Kinases p60Src and p59Fyn. Infection and Immunity, 2001, 69, 281-287.	1.0	83
99	Regulation of hematogenous tumor metastasis by acid sphingomyelinase. EMBO Molecular Medicine, 2015, 7, 714-734.	3.3	83
100	Pharmacological targeting of ion channels for cancer therapy: In vivo evidences. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1385-1397.	1.9	82
101	DC-SIGN Mediated Sphingomyelinase-Activation and Ceramide Generation Is Essential for Enhancement of Viral Uptake in Dendritic Cells. PLoS Pathogens, 2011, 7, e1001290.	2.1	80
102	Fas-induced Apoptosis Is Mediated by Activation of a Ras and Rac Protein-regulated Signaling Pathway. Journal of Biological Chemistry, 1996, 271, 26389-26394.	1.6	79
103	Radiation-Induced Apoptosis in Human Lymphocytes and Lymphoma Cells Critically Relies on the Up-Regulation of CD95/Fas/APO-1 Ligand. Radiation Research, 1998, 149, 588.	0.7	76
104	Clofazimine, Psora-4 and PAP-1, inhibitors of the potassium channel Kv1.3, as a new and selective therapeutic strategy in chronic lymphocytic leukemia. Leukemia, 2013, 27, 1782-1785.	3.3	75
105	Cellular taurine release triggered by stimulation of the Fas(CD95) receptor in Jurkat lymphocytes. Pflugers Archiv European Journal of Physiology, 1998, 436, 377-383.	1.3	74
106	Specific Inhibition of the NLRP3 Inflammasome as an Antiinflammatory Strategy in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1381-1391.	2.5	74
107	Contribution of voltageâ€gated potassium channels to the regulation of apoptosis. FEBS Letters, 2010, 584, 2049-2056.	1.3	73
108	Physiology of potassium channels in the inner membrane of mitochondria. Pflugers Archiv European Journal of Physiology, 2012, 463, 231-246.	1.3	72

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109	Role of Kv1.3 mitochondrial potassium channel in apoptotic signalling in lymphocytes. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1251-1259.	0.5	71
110	The acid sphingomyelinase/ceramide system in COVID-19. Molecular Psychiatry, 2022, 27, 307-314.	4.1	71
111	Actinomycin D-induced apoptosis involves the potassium channel Kv1.3. Biochemical and Biophysical Research Communications, 2002, 295, 526-531.	1.0	70
112	Targeting the ceramide system in cancer. Cancer Letters, 2013, 332, 286-294.	3.2	69
113	Paradoxical antidepressant effects of alcohol are related to acid sphingomyelinase and its control of sphingolipid homeostasis. Acta Neuropathologica, 2017, 133, 463-483.	3.9	68
114	Differential Activation of Acid Sphingomyelinase and Ceramide Release Determines Invasiveness of Neisseria meningitidis into Brain Endothelial Cells. PLoS Pathogens, 2014, 10, e1004160.	2.1	67
115	A central role for the acid sphingomyelinase/ceramide system in neurogenesis and major depression. Journal of Neurochemistry, 2015, 134, 183-192.	2.1	67
116	Oxidative Stress Triggers Ca²⁺-Dependent Lysosome Trafficking and Activation of Acid Sphingomyelinase. Cellular Physiology and Biochemistry, 2012, 30, 815-826.	1.1	66
117	CD95-mediated apoptosis in vivo requires acid sphingomyelinase. Journal of Biological Chemistry, 2000, 275, 27316-23.	1.6	65
118	Cell volume and the regulation of apoptotic cell death. Journal of Molecular Recognition, 2004, 17, 473-480.	1.1	65
119	Syntaxin 4 Is Required for Acid Sphingomyelinase Activity and Apoptotic Function*. Journal of Biological Chemistry, 2010, 285, 40240-40251.	1.6	65
120	Single-point mutations of a lysine residue change function of Bax and Bcl-xL expressed in Bax- and Bak-less mouse embryonic fibroblasts: novel insights into the molecular mechanisms of Bax-induced apoptosis. Cell Death and Differentiation, 2011, 18, 427-438.	5.0	65
121	Ion channels and membrane rafts in apoptosis. Pflugers Archiv European Journal of Physiology, 2004, 448, 304-312.	1.3	63
122	Inhibition of acid sphingomyelinase by ambroxol prevents SARS-CoV-2 entry into epithelial cells. Journal of Biological Chemistry, 2021, 296, 100701.	1.6	63
123	Induction of Apoptosis in Macrophages via Kv1.3 and Kv1.5 Potassium Channels. Current Medicinal Chemistry, 2012, 19, 5394-5404.	1.2	62
124	Acid Sphingomyelinase. Handbook of Experimental Pharmacology, 2013, , 77-88.	0.9	62
125	Acid sphingomyelinase inhibition protects mice from lung edema and lethal Staphylococcus aureus sepsis. Journal of Molecular Medicine, 2015, 93, 675-689.	1.7	62
126	Acid Sphingomyelinase-derived Ceramide Signaling in Apoptosis. , 2002, 36, 229-244.		61

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127	Ceramide formation as a target in beta-cell survival and function. Expert Opinion on Therapeutic Targets, 2011, 15, 1061-1071.	1.5	61
128	L-Selectin Regulates Actin Polymerisation via Activation of the Small G-Protein Rac2. Biochemical and Biophysical Research Communications, 1997, 231, 802-807.	1.0	60
129	The transmembranous domain of CD40 determines CD40 partitioning into lipid rafts. FEBS Letters, 2003, 534, 169-174.	1.3	60
130	Influence of Amitriptyline on Eryptosis, Parasitemia and Survival of Plasmodium Berghei-Infected Mice. Cellular Physiology and Biochemistry, 2008, 22, 405-412.	1.1	60
131	Novel channels of the inner mitochondrial membrane. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 351-363.	0.5	60
132	Ceramide: A Novel Player in Reactive Oxygen Species-Induced Signaling?. Antioxidants and Redox Signaling, 2007, 9, 1535-1540.	2.5	59
133	Therapeutic Efficacy and Safety of Amitriptyline in Patients with Cystic Fibrosis. Cellular Physiology and Biochemistry, 2009, 24, 65-72.	1.1	59
134	Lack of Sphingosine Causes Susceptibility to Pulmonary Staphylococcus Aureus Infections in Cystic Fibrosis. Cellular Physiology and Biochemistry, 2016, 38, 2094-2102.	1.1	59
135	Association Between FIASMAs and Reduced Risk of Intubation or Death in Individuals Hospitalized for Severe COVIDâ€19: An Observational Multicenter Study. Clinical Pharmacology and Therapeutics, 2021, 110, 1498-1511.	2.3	59
136	Activation of the Permeability Transition Pore by Bax via Inhibition of the Mitochondrial BK Channel. Cellular Physiology and Biochemistry, 2011, 27, 191-200.	1.1	58
137	Doxorubicin enhances TRAIL-induced cell death via ceramide-enriched membrane platforms. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1533-1541.	2.2	57
138	CD95 Rapidly Clusters in Cells of Diverse Origins. Cancer Biology and Therapy, 2003, 2, 392-395.	1.5	56
139	The BH3-only member Noxa causes apoptosis in melanoma cells by multiple pathways. Oncogene, 2008, 27, 4557-4568.	2.6	56
140	Acid Sphingomyelinase Regulates Platelet Cell Membrane Scrambling, Secretion, and Thrombus Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 61-71.	1.1	56
141	Selective Potentiation of Drug Cytotoxicity by NSAID in Human Glioma Cells: The Role of COX-1 and MRP. Biochemical and Biophysical Research Communications, 1999, 259, 600-605.	1.0	55
142	Ceramide in the regulation of eryptosis, the suicidal erythrocyte death. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 758-767.	2.2	54
143	Defective autophagosome trafficking contributes to impaired autophagic flux in coronary arterial myocytes lacking CD38 gene. Cardiovascular Research, 2014, 102, 68-78.	1.8	53
144	Passive Deformability of Mature, Immature, and Active Neutrophils in Healthy and Septicemic Neonates. Pediatric Research, 1998, 44, 946-950.	1.1	53

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145	Evidence for a novel function of the CD40 ligand as a signalling molecule in T-lymphocytes. FEBS Letters, 1997, 417, 301-306.	1.3	52
146	Crm-A, bcl-2 and NDGA inhibit CD95L-induced apoptosis of malignant glioma cells at the level of caspase 8 processing. Cell Death and Differentiation, 1998, 5, 894-900.	5.0	52
147	Induction of Membrane Ceramides: A Novel Strategy to Interfere with T Lymphocyte Cytoskeletal Reorganisation in Viral Immunosuppression. PLoS Pathogens, 2009, 5, e1000623.	2.1	52
148	TNFR1-induced sphingomyelinase activation modulates TCR signaling by impairing store-operated Ca2+ influx. Journal of Leukocyte Biology, 2005, 78, 266-278.	1.5	51
149	Accumulation of ceramide in the trachea and intestine of cystic fibrosis mice causes inflammation and cell death. Biochemical and Biophysical Research Communications, 2010, 403, 368-374.	1.0	51
150	Activation of Src-family tyrosine kinases during Fas-induced apoptosis. Journal of Leukocyte Biology, 1996, 60, 546-554.	1.5	50
151	Mouse CD24 as a Signaling Molecule for Integrin-Mediated Cell Binding: Functional and Physical Association with src-Kinases. Biochemical and Biophysical Research Communications, 1997, 234, 330-334.	1.0	50
152	Regulation of the Inflammasome by Ceramide in Cystic Fibrosis Lungs. Cellular Physiology and Biochemistry, 2014, 34, 45-55.	1.1	49
153	The CD40 Ligand Directly Activates T-Lymphocytes via Tyrosine Phosphorylation Dependent PKC Activation. Biochemical and Biophysical Research Communications, 1997, 239, 11-17.	1.0	48
154	Targeting a mitochondrial potassium channel to fight cancer. Cell Calcium, 2015, 58, 131-138.	1.1	48
155	Infections with Human Rhinovirus Induce the Formation of Distinct Functional Membrane Domains. Cellular Physiology and Biochemistry, 2007, 20, 241-254.	1.1	47
156	Inflammatory cells, ceramides, and expression of proteases in perivascular adipose tissue adjacent to human abdominal aortic aneurysms. Journal of Vascular Surgery, 2017, 65, 1171-1179.e1.	0.6	47
157	The role of ceramide in major depressive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 199-204.	1.8	46
158	Eryptosis triggered by bismuth. BioMetals, 2009, 22, 453-460.	1.8	46
159	Ceramide in Pseudomonas aeruginosa Infections and Cystic Fibrosis. Cellular Physiology and Biochemistry, 2010, 26, 57-66.	1.1	46
160	Activity of Secretory Sphingomyelinase Is Increased in Plasma of Alcohol-Dependent Patients. Alcoholism: Clinical and Experimental Research, 2011, 35, 1852-1859.	1.4	46
161	A sphingolipid mechanism for behavioral extinction. Journal of Neurochemistry, 2016, 137, 589-603.	2.1	46
162	Ion Channels, Cell Volume, and Apoptotic Cell Death. Cellular Physiology and Biochemistry, 1998, 8, 285-292.	1.1	44

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163	Monitoring the Sphingolipid de novo Synthesis by Stable-Isotope Labeling and Liquid Chromatography-Mass Spectrometry. Frontiers in Cell and Developmental Biology, 2019, 7, 210.	1.8	44
164	Increased Acid Sphingomyelinase Activity in Peripheral Blood Cells of Acutely Intoxicated Patients With Alcohol Dependence. Alcoholism: Clinical and Experimental Research, 2010, 34, 46-50.	1.4	43
165	Suicidal Death of Erythrocytes Due to Selenium-Compounds. Cellular Physiology and Biochemistry, 2008, 22, 387-394.	1.1	42
166	Inhibition of Acid Sphingomyelinase Allows for Selective Targeting of CD4+ Conventional versus Foxp3+ Regulatory T Cells. Journal of Immunology, 2016, 197, 3130-3141.	0.4	42
167	Acid Sphingomyelinase (ASM) is a Negative Regulator of Regulatory T Cell (Treg) Development. Cellular Physiology and Biochemistry, 2016, 39, 985-995.	1.1	42
168	Chemosensitivity of human malignant glioma: modulation by p53 gene transfer. Journal of Neuro-Oncology, 1998, 39, 19-32.	1.4	41
169	Glycosylation processing inhibition by castanospermine prevents experimental autoimmune encephalomyelitis by interference with IL-2 receptor signal transduction. Journal of Neuroimmunology, 2002, 132, 1-10.	1.1	41
170	Overexpression of Acid Sphingomyelinase Sensitizes Glioma Cells to Chemotherapy. Antioxidants and Redox Signaling, 2007, 9, 1449-1456.	2.5	41
171	Kinase suppressor of Ras-1 protects against pulmonary Pseudomonas aeruginosa infections. Nature Medicine, 2011, 17, 341-346.	15.2	41
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