

# Erich Gulbins

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

375  
papers

22,171  
citations

79  
h-index

134  
g-index

402  
ext. papers

24,593  
ext. citations

6.8  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
375	Functional significance of cell volume regulatory mechanisms. <i>Physiological Reviews</i> , <b>1998</b> , 78, 247-306	47.9	1547
374	CD95 signaling via ceramide-rich membrane rafts. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 20589-96	5.4	471
373	Host defense against <i>Pseudomonas aeruginosa</i> requires ceramide-rich membrane rafts. <i>Nature Medicine</i> , <b>2003</b> , 9, 322-30	50.5	454
372	Ceramide accumulation mediates inflammation, cell death and infection susceptibility in cystic fibrosis. <i>Nature Medicine</i> , <b>2008</b> , 14, 382-91	50.5	438
371	FAS-induced apoptosis is mediated via a ceramide-initiated RAS signaling pathway. <i>Immunity</i> , <b>1995</b> , 2, 341-51	32.3	389
370	Liver cell death and anemia in Wilson disease involve acid sphingomyelinase and ceramide. <i>Nature Medicine</i> , <b>2007</b> , 13, 164-70	50.5	378
369	Raft ceramide in molecular medicine. <i>Oncogene</i> , <b>2003</b> , 22, 7070-7	9.2	343
368	Ceramide enables fas to cap and kill. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 23954-61	5.4	305
367	Acidic sphingomyelinase mediates entry of <i>N. gonorrhoeae</i> into nonphagocytic cells. <i>Cell</i> , <b>1997</b> , 91, 605-15	15.2	276
366	Fas- or ceramide-induced apoptosis is mediated by a Rac1-regulated activation of Jun N-terminal kinase/p38 kinases and GADD153. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22173-81	5.4	252
365	PAF-mediated pulmonary edema: a new role for acid sphingomyelinase and ceramide. <i>Nature Medicine</i> , <b>2004</b> , 10, 155-60	50.5	251
364	Ceramide-enriched membrane domains. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2005</b> , 1746, 284-94	4.9	251
363	Ion channels in cell proliferation and apoptotic cell death. <i>Journal of Membrane Biology</i> , <b>2005</b> , 205, 147-57	5.3	246
362	Ceramide-mediated clustering is required for CD95-DISC formation. <i>Oncogene</i> , <b>2003</b> , 22, 5457-70	9.2	237
361	Acid sphingomyelinase-ceramide system mediates effects of antidepressant drugs. <i>Nature Medicine</i> , <b>2013</b> , 19, 934-8	50.5	225
360	CD95/CD95 ligand interactions on epithelial cells in host defense to <i>Pseudomonas aeruginosa</i> . <i>Science</i> , <b>2000</b> , 290, 527-30	33.3	225
359	Functional Inhibitors of Acid Sphingomyelinase (FIASMA): a novel pharmacological group of drugs with broad clinical applications. <i>Cellular Physiology and Biochemistry</i> , <b>2010</b> , 26, 9-20	3.9	224

358	Ceramide-rich membrane rafts mediate CD40 clustering. <i>Journal of Immunology</i> , <b>2002</b> , 168, 298-307	5.3	221
357	Ca <sup>2+</sup> -activated K channel of the BK-type in the inner mitochondrial membrane of a human glioma cell line. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 257, 549-54	3.4	221
356	Eryptosis, a window to systemic disease. <i>Cellular Physiology and Biochemistry</i> , <b>2008</b> , 22, 373-80	3.9	212
355	Cell volume in the regulation of cell proliferation and apoptotic cell death. <i>Cellular Physiology and Biochemistry</i> , <b>2000</b> , 10, 417-28	3.9	204
354	Tyrosine kinase-dependent activation of a chloride channel in CD95-induced apoptosis in T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 6169-74	11.5	186
353	Ceramide in suicidal death of erythrocytes. <i>Cellular Physiology and Biochemistry</i> , <b>2010</b> , 26, 21-8	3.9	182
352	Ceramide-enriched membrane domains--structure and function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2009</b> , 1788, 178-83	3.8	177
351	Brain membrane lipids in major depression and anxiety disorders. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 1052-65	5	173
350	Suicidal erythrocyte death in sepsis. <i>Journal of Molecular Medicine</i> , <b>2007</b> , 85, 273-81	5.5	173
349	Ceramide-induced inhibition of T lymphocyte voltage-gated potassium channel is mediated by tyrosine kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 7661-6	11.5	171
348	Tyrosine phosphorylation-dependent suppression of a voltage-gated K <sup>+</sup> channel in T lymphocytes upon Fas stimulation. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 20465-9	5.4	170
347	Hepatocyte exosomes mediate liver repair and regeneration via sphingosine-1-phosphate. <i>Journal of Hepatology</i> , <b>2016</b> , 64, 60-8	13.4	168
346	Physiological and pathophysiological aspects of ceramide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 290, R11-26	3.2	166
345	Lipid raft clustering and redox signaling platform formation in coronary arterial endothelial cells. <i>Hypertension</i> , <b>2006</b> , 47, 74-80	8.5	165
344	Reactive oxygen species limit neutrophil life span by activating death receptor signaling. <i>Blood</i> , <b>2004</b> , 104, 2557-64	2.2	165
343	Molecular mechanisms of ceramide-mediated CD95 clustering. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 284, 1016-30	3.4	162
342	Stimulation of CD95 (Fas) blocks T lymphocyte calcium channels through sphingomyelinase and sphingolipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 13795-800	11.5	160
341	Rhinoviruses infect human epithelial cells via ceramide-enriched membrane platforms. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 26256-62	5.4	157

340	Identification of new functional inhibitors of acid sphingomyelinase using a structure-property-activity relation model. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 219-37	8.3	155
339	Mitochondrial potassium channel Kv1.3 mediates Bax-induced apoptosis in lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 14861-6	11.5	154
338	The tyrosine kinase p56lck mediates activation of swelling-induced chloride channels in lymphocytes. <i>Journal of Cell Biology</i> , <b>1998</b> , 141, 281-6	7.3	153
337	Engineered liposomes sequester bacterial exotoxins and protect from severe invasive infections in mice. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 81-8	44.5	145
336	Suicide for survival--death of infected erythrocytes as a host mechanism to survive malaria. <i>Cellular Physiology and Biochemistry</i> , <b>2009</b> , 24, 133-40	3.9	145
335	A novel potassium channel in lymphocyte mitochondria. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 12790-8	9.4	145
334	Cell volume regulatory ion channels in cell proliferation and cell death. <i>Methods in Enzymology</i> , <b>2007</b> , 428, 209-25	1.7	141
333	Ceramide, membrane rafts and infections. <i>Journal of Molecular Medicine</i> , <b>2004</b> , 82, 357-63	5.5	141
332	Biological aspects of ceramide-enriched membrane domains. <i>Progress in Lipid Research</i> , <b>2007</b> , 46, 161-70	14.3	140
331	L-selectin activates the Ras pathway via the tyrosine kinase p56lck. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 15376-81	11.5	135
330	Acid sphingomyelinase inhibitors normalize pulmonary ceramide and inflammation in cystic fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2010</b> , 42, 716-24	5.7	130
329	Sphingomyelinase-induced adhesion of eryptotic erythrocytes to endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2012</b> , 303, C991-9	5.4	126
328	Cisplatin-induced apoptosis involves membrane fluidification via inhibition of NHE1 in human colon cancer cells. <i>Cancer Research</i> , <b>2007</b> , 67, 7865-74	10.1	126
327	Accelerated clearance of Plasmodium-infected erythrocytes in sickle cell trait and annexin-A7 deficiency. <i>Cellular Physiology and Biochemistry</i> , <b>2009</b> , 24, 415-28	3.9	122
326	Sphingolipids in the lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 1100-14	10.2	122
325	Membrane rafts in host-pathogen interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 2139-47	3.8	122
324	Regulation of death receptor signaling and apoptosis by ceramide. <i>Pharmacological Research</i> , <b>2003</b> , 47, 393-9	10.2	120
323	Ceramide and cell death receptor clustering. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2002</b> , 1585, 139-45	5	120

322	Fas/CD95/Apo-I activates the acidic sphingomyelinase via caspases. <i>Cell Death and Differentiation</i> , <b>1998</b> , 5, 29-37	12.7	118
321	CD66-mediated phagocytosis of Opa52 <i>Neisseria gonorrhoeae</i> requires a Src-like tyrosine kinase- and Rac1-dependent signalling pathway. <i>EMBO Journal</i> , <b>1998</b> , 17, 443-54	13	117
320	Role of mitochondria in apoptosis. <i>Experimental Physiology</i> , <b>2003</b> , 88, 85-90	2.4	112
319	Mechanisms of <i>Staphylococcus aureus</i> induced apoptosis of human endothelial cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2001</b> , 6, 431-9	5.4	112
318	Inhibitors of mitochondrial Kv1.3 channels induce Bax/Bak-independent death of cancer cells. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 577-93	12	111
317	Conjugated bilirubin triggers anemia by inducing erythrocyte death. <i>Hepatology</i> , <b>2015</b> , 61, 275-84	11.2	109
316	Identification of novel functional inhibitors of acid sphingomyelinase. <i>PLoS ONE</i> , <b>2011</b> , 6, e23852	3.7	107
315	Molecular mechanisms of bacteria induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2001</b> , 6, 441-5	5.4	107
314	Mitochondrial ceramide-rich macrodomains functionalize Bax upon irradiation. <i>PLoS ONE</i> , <b>2011</b> , 6, e197837	3.7	105
313	High activity of acid sphingomyelinase in major depression. <i>Journal of Neural Transmission</i> , <b>2005</b> , 112, 1583-90	4.3	103
312	Antidepressants act by inducing autophagy controlled by sphingomyelin-ceramide. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 2324-2346	15.1	101
311	Ceramide-induced cell death in malignant cells. <i>Cancer Letters</i> , <b>2008</b> , 264, 1-10	9.9	101
310	Natural ceramide reverses Fas resistance of acid sphingomyelinase(-/-) hepatocytes. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 8297-305	5.4	101
309	CD95-mediated Apoptosis in Vivo Involves Acid Sphingomyelinase. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 27316-27323	5.4	99
308	CCNU-dependent potentiation of TRAIL/Apo2L-induced apoptosis in human glioma cells is p53-independent but may involve enhanced cytochrome c release. <i>Oncogene</i> , <b>2001</b> , 20, 4128-37	9.2	98
307	Acid sphingomyelinase and its redox amplification in formation of lipid raft redox signaling platforms in endothelial cells. <i>Antioxidants and Redox Signaling</i> , <b>2007</b> , 9, 817-28	8.4	94
306	Direct Pharmacological Targeting of a Mitochondrial Ion Channel Selectively Kills Tumor Cells In Vivo. <i>Cancer Cell</i> , <b>2017</b> , 31, 516-531.e10	24.3	92
305	Alveolar inflammation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , <b>2010</b> , 9, 217-27	4.1	90

304	Ceramide inhibits the potassium channel Kv1.3 by the formation of membrane platforms. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 305, 890-7	3.4	90
303	Acid sphingomyelinase is involved in CEACAM receptor-mediated phagocytosis of <i>Neisseria gonorrhoeae</i> . <i>FEBS Letters</i> , <b>2000</b> , 478, 260-6	3.8	90
302	Intracellular ion channels and cancer. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 227	4.6	88
301	Stimulation of erythrocyte phosphatidylserine exposure by paclitaxel. <i>Cellular Physiology and Biochemistry</i> , <b>2006</b> , 18, 151-64	3.9	88
300	Cystic fibrosis and innate immunity: how chloride channel mutations provoke lung disease. <i>Cellular Microbiology</i> , <b>2009</b> , 11, 208-16	3.9	86
299	Sphingoid long chain bases prevent lung infection by <i>Pseudomonas aeruginosa</i> . <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1205-14	12	85
298	<i>Pseudomonas aeruginosa</i> pyocyanin induces neutrophil death via mitochondrial reactive oxygen species and mitochondrial acid sphingomyelinase. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 1097-110	8.4	82
297	<i>Pseudomonas aeruginosa</i> -induced apoptosis involves mitochondria and stress-activated protein kinases. <i>Infection and Immunity</i> , <b>2001</b> , 69, 2675-83	3.7	80
296	Amyloid induced suicidal erythrocyte death. <i>Cellular Physiology and Biochemistry</i> , <b>2007</b> , 19, 175-84	3.9	79
295	Ceramide: physiological and pathophysiological aspects. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 462, 171-5	4.1	79
294	Alterations in ceramide concentration and pH determine the release of reactive oxygen species by Cfr-deficient macrophages on infection. <i>Journal of Immunology</i> , <b>2010</b> , 184, 5104-11	5.3	78
293	The tyrosine kinase lck is required for CD95-independent caspase-8 activation and apoptosis in response to ionizing radiation. <i>Oncogene</i> , <b>1999</b> , 18, 4983-92	9.2	78
292	Lipids in psychiatric disorders and preventive medicine. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 76, 336-362	9	77
291	The ceramide system as a novel antidepressant target. <i>Trends in Pharmacological Sciences</i> , <b>2014</b> , 35, 293-304	13.2	77
290	Pharmacological Inhibition of Acid Sphingomyelinase Prevents Uptake of SARS-CoV-2 by Epithelial Cells. <i>Cell Reports Medicine</i> , <b>2020</b> , 1, 100142	18	76
289	Inhibition of acid sphingomyelinase by tricyclic antidepressants and analogs. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 331	4.6	76
288	Endothelial Nlrp3 inflammasome activation associated with lysosomal destabilization during coronary arteritis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 396-408	4.9	73
287	Activation of Nlrp3 inflammasomes enhances macrophage lipid-deposition and migration: implication of a novel role of inflammasome in atherogenesis. <i>PLoS ONE</i> , <b>2014</b> , 9, e87552	3.7	73

286	Acid sphingomyelinase amplifies redox signaling in <i>Pseudomonas aeruginosa</i> -induced macrophage apoptosis. <i>Journal of Immunology</i> , <b>2008</b> , 181, 4247-54	5.3	73
285	Clustering of CD40 ligand is required to form a functional contact with CD40. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 30289-99	5.4	73
284	Cationic cell-penetrating peptides induce ceramide formation via acid sphingomyelinase: implications for uptake. <i>Journal of Controlled Release</i> , <b>2010</b> , 147, 171-9	11.7	71
283	Enhancement of endothelial permeability by free fatty acid through lysosomal cathepsin B-mediated Nlrp3 inflammasome activation. <i>Oncotarget</i> , <b>2016</b> , 7, 73229-73241	3.3	71
282	Fas-induced apoptosis is mediated by activation of a Ras and Rac protein-regulated signaling pathway. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 26389-94	5.4	69
281	Ion channels and cell volume in regulation of cell proliferation and apoptotic cell death. <i>Contributions To Nephrology</i> , <b>2006</b> , 152, 142-160	1.6	68
280	Invasion of human epithelial cells by <i>Pseudomonas aeruginosa</i> involves src-like tyrosine kinases p60Src and p59Fyn. <i>Infection and Immunity</i> , <b>2001</b> , 69, 281-7	3.7	68
279	DC-SIGN mediated sphingomyelinase-activation and ceramide generation is essential for enhancement of viral uptake in dendritic cells. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1001290	7.6	67
278	Actinomycin D-induced apoptosis involves the potassium channel Kv1.3. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 295, 526-31	3.4	64
277	Pharmacological targeting of ion channels for cancer therapy: In vivo evidences. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 1385-97	4.9	63
276	Lipid Raft Clustering and Redox Signaling Platform Formation in Coronary Arterial Endothelial Cells. <i>Hypertension</i> , <b>2006</b> , 47, 74-80	8.5	63
275	Clofazimine, Psora-4 and PAP-1, inhibitors of the potassium channel Kv1.3, as a new and selective therapeutic strategy in chronic lymphocytic leukemia. <i>Leukemia</i> , <b>2013</b> , 27, 1782-5	10.7	61
274	$\beta$ -Integrin Accumulates in Cystic Fibrosis Luminal Airway Epithelial Membranes and Decreases Sphingosine, Promoting Bacterial Infections. <i>Cell Host and Microbe</i> , <b>2017</b> , 21, 707-718.e8	23.4	60
273	Physiology of potassium channels in the inner membrane of mitochondria. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2012</b> , 463, 231-46	4.6	60
272	Regulation of hematogenous tumor metastasis by acid sphingomyelinase. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 714-34	12	60
271	Contribution of voltage-gated potassium channels to the regulation of apoptosis. <i>FEBS Letters</i> , <b>2010</b> , 584, 2049-56	3.8	60
270	Radiation-Induced Apoptosis in Human Lymphocytes and Lymphoma Cells Critically Relies on the Up-Regulation of CD95/Fas/APO-1 Ligand. <i>Radiation Research</i> , <b>1998</b> , 149, 588	3.1	60
269	Targeting the ceramide system in cancer. <i>Cancer Letters</i> , <b>2013</b> , 332, 286-94	9.9	58

268	Ion channels and membrane rafts in apoptosis. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2004</b> , 448, 304-12	4.6	58
267	L-selectin regulates actin polymerisation via activation of the small G-protein Rac2. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 231, 802-7	3.4	57
266	Cellular taurine release triggered by stimulation of the Fas(CD95) receptor in Jurkat lymphocytes. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1998</b> , 436, 377-83	4.6	56
265	Cell volume and the regulation of apoptotic cell death. <i>Journal of Molecular Recognition</i> , <b>2004</b> , 17, 473-80	4.6	56
264	Differential activation of acid sphingomyelinase and ceramide release determines invasiveness of <i>Neisseria meningitidis</i> into brain endothelial cells. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004160	7.6	55
263	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. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 427-38	12.7	55
262	Role of Kv1.3 mitochondrial potassium channel in apoptotic signalling in lymphocytes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 1251-9	4.6	55
261	Therapeutic efficacy and safety of amitriptyline in patients with cystic fibrosis. <i>Cellular Physiology and Biochemistry</i> , <b>2009</b> , 24, 65-72	3.9	54
260	Doxorubicin enhances TRAIL-induced cell death via ceramide-enriched membrane platforms. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2007</b> , 12, 1533-41	5.4	54
259	Paradoxical antidepressant effects of alcohol are related to acid sphingomyelinase and its control of sphingolipid homeostasis. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 463-483	14.3	53
258	Activation of the permeability transition pore by Bax via inhibition of the mitochondrial BK channel. <i>Cellular Physiology and Biochemistry</i> , <b>2011</b> , 27, 191-200	3.9	53
257	Novel channels of the inner mitochondrial membrane. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2009</b> , 1787, 351-63	4.6	53
256	Induction of apoptosis in macrophages via Kv1.3 and Kv1.5 potassium channels. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 5394-404	4.3	52
255	The BH3-only member Noxa causes apoptosis in melanoma cells by multiple pathways. <i>Oncogene</i> , <b>2008</b> , 27, 4557-68	9.2	52
254	Acid sphingomyelinase-derived ceramide signaling in apoptosis. <i>Sub-Cellular Biochemistry</i> , <b>2002</b> , 36, 229-44	3.5	52
253	Ceramide formation as a target in beta-cell survival and function. <i>Expert Opinion on Therapeutic Targets</i> , <b>2011</b> , 15, 1061-71	6.4	51
252	CD95 rapidly clusters in cells of diverse origins. <i>Cancer Biology and Therapy</i> , <b>2003</b> , 2, 392-5	4.6	51
251	The transmembranous domain of CD40 determines CD40 partitioning into lipid rafts. <i>FEBS Letters</i> , <b>2003</b> , 534, 169-74	3.8	51



250	Acid sphingomyelinase inhibition protects mice from lung edema and lethal <i>Staphylococcus aureus</i> sepsis. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 675-89	5.5	50
249	Crm-A, bcl-2 and NDGA inhibit CD95L-induced apoptosis of malignant glioma cells at the level of caspase 8 processing. <i>Cell Death and Differentiation</i> , <b>1998</b> , 5, 894-900	12.7	50
248	CD95-mediated apoptosis in vivo involves acid sphingomyelinase. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 27316-23	5.4	50
247	Selective potentiation of drug cytotoxicity by NSAID in human glioma cells: the role of COX-1 and MRP. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 259, 600-5	3.4	50
246	A central role for the acid sphingomyelinase/ceramide system in neurogenesis and major depression. <i>Journal of Neurochemistry</i> , <b>2015</b> , 134, 183-92	6	49
245	Oxidative stress triggers Ca-dependent lysosome trafficking and activation of acid sphingomyelinase. <i>Cellular Physiology and Biochemistry</i> , <b>2012</b> , 30, 815-26	3.9	48
244	Mouse CD24 as a signaling molecule for integrin-mediated cell binding: functional and physical association with src-kinases. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 234, 330-4	3.4	48
243	Accumulation of ceramide in the trachea and intestine of cystic fibrosis mice causes inflammation and cell death. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 403, 368-74	3.4	47
242	Evidence for a novel function of the CD40 ligand as a signalling molecule in T-lymphocytes. <i>FEBS Letters</i> , <b>1997</b> , 417, 301-6	3.8	47
241	Syntaxin 4 is required for acid sphingomyelinase activity and apoptotic function. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 40240-51	5.4	46
240	Specific Inhibition of the NLRP3 Inflammasome as an Antiinflammatory Strategy in Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 200, 1381-1391	10.2	45
239	Acid sphingomyelinase. <i>Handbook of Experimental Pharmacology</i> , <b>2013</b> , 77-88	3.2	45
238	Regulation of the inflammasome by ceramide in cystic fibrosis lungs. <i>Cellular Physiology and Biochemistry</i> , <b>2014</b> , 34, 45-55	3.9	45
237	Passive deformability of mature, immature, and active neutrophils in healthy and septicemic neonates. <i>Pediatric Research</i> , <b>1998</b> , 44, 946-50	3.2	45
236	Eryptosis triggered by bismuth. <i>BioMetals</i> , <b>2009</b> , 22, 453-60	3.4	44
235	The CD40 ligand directly activates T-lymphocytes via tyrosine phosphorylation dependent PKC activation. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 239, 11-7	3.4	44
234	Influence of amitriptyline on eryptosis, parasitemia and survival of <i>Plasmodium berghei</i> -infected mice. <i>Cellular Physiology and Biochemistry</i> , <b>2008</b> , 22, 405-12	3.9	44
233	Lack of Sphingosine Causes Susceptibility to Pulmonary <i>Staphylococcus Aureus</i> Infections in Cystic Fibrosis. <i>Cellular Physiology and Biochemistry</i> , <b>2016</b> , 38, 2094-102	3.9	43

232	Ion channels, cell volume, and apoptotic cell death. <i>Cellular Physiology and Biochemistry</i> , <b>1998</b> , 8, 285-92	3.9	43
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