Burkhard Kleuser

List of Publications by Year
in descending order

195 papers	9,624 citations	50244 46 h-index	46771 89 g-index
200 all docs	200 docs citations	200 times ranked	11489 citing authors

#	Article	IF	Citations
1	CFTR modulator therapy alters plasma sphingolipid profiles in people with cystic fibrosis. Journal of Cystic Fibrosis, 2022, 21, 713-720.	0.3	13
2	Highâ€fat, sucrose and saltâ€rich diet during rat spermatogenesis lead to the development of chronic kidney disease in the female offspring of the F2 generation. FASEB Journal, 2022, 36, e22259.	0.2	6
3	The Role of Ten-Eleven Translocation Proteins in Inflammation. Frontiers in Immunology, 2022, 13, 861351.	2.2	9
4	The glucose transporter GLUT3 controls T helper 17 cell responses through glycolytic-epigenetic reprogramming. Cell Metabolism, 2022, 34, 516-532.e11.	7.2	70
5	Ceramide levels in blood plasma correlate with major depressive disorder severity and its neutralization abrogates depressive behavior in mice. Journal of Biological Chemistry, 2022, 298, 102185.	1.6	14
6	Stbd1-deficient mice display insulin resistance associated with enhanced hepatic ER-mitochondria contact. Biochimie, 2022, 200, 172-183.	1.3	3
7	Host sphingolipids: Perspective immune adjuvant for controlling SARS-CoV-2 infection for managing COVID-19 disease. Prostaglandins and Other Lipid Mediators, 2021, 152, 106504.	1.0	18
8	Neutral Sphingomyelinase is an Affective Valence-Dependent Regulator of Learning and Memory. Cerebral Cortex, 2021, 31, 1316-1333.	1.6	12
9	Click-correlative lightÂand electron microscopy (click-AT-CLEM) for imaging and tracking azido-functionalized sphingolipids in bacteria. Scientific Reports, 2021, 11, 4300.	1.6	9
10	Novel compounds with dual S1P receptor agonist and histamine H3 receptor antagonist activities act protective in a mouse model of multiple sclerosis. Neuropharmacology, 2021, 186, 108464.	2.0	13
11	Inhibition of acid sphingomyelinase increases regulatory T cells in humans. Brain Communications, 2021, 3, fcab020.	1.5	11
12	Central Acting Hsp10 Regulates Mitochondrial Function, Fatty Acid Metabolism, and Insulin Sensitivity in the Hypothalamus. Antioxidants, 2021, 10, 711.	2.2	6
13	Epigenetic DNA Methylation of EBI3 Modulates Human Interleukin-35 Formation via NFκB Signaling: A Promising Therapeutic Option in Ulcerative Colitis. International Journal of Molecular Sciences, 2021, 22, 5329.	1.8	8
14	Sphingosine 1-phosphate metabolism and insulin signaling. Cellular Signalling, 2021, 82, 109959.	1.7	18
15	Nuclear Sphingosine-1-phosphate Lyase Generated â^†2-hexadecenal is A Regulator of HDAC Activity and Chromatin Remodeling in Lung Epithelial Cells. Cell Biochemistry and Biophysics, 2021, 79, 575-592.	0.9	10
16	Editorial: Sphingolipids in Infection Control. Frontiers in Cell and Developmental Biology, 2021, 9, 697290.	1.8	0
17	Sphingolipids: Effectors and Achilles Heals in Viral Infections?. Cells, 2021, 10, 2175.	1.8	14
18	ST-2191, an Anellated Bismorpholino Derivative of Oxy-Fingolimod, Shows Selective S1P1 Agonist and Functional Antagonist Potency In Vitro and In Vivo. Molecules, 2021, 26, 5134.	1.7	4

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19	Inhaled sphingosine has no adverse side effects in isolated ventilated and perfused pig lungs. Scientific Reports, 2021, 11, 18607.	1.6	2
20	Mouse Liver Compensates Loss of Sgpl1 by Secretion of Sphingolipids into Blood and Bile. International Journal of Molecular Sciences, 2021, 22, 10617.	1.8	4
21	Azidosphinganine enables metabolic labeling and detection of sphingolipid de novo synthesis. Organic and Biomolecular Chemistry, 2021, 19, 2203-2212.	1.5	9
22	Vitamin C in combination with inhibition of mutant IDH1 synergistically activates TET enzymes and epigenetically modulates gene silencing in colon cancer cells. Epigenetics, 2020, 15, 307-322.	1.3	20
23	Serine Protease-Mediated Cutaneous Inflammation: Characterization of an Ex Vivo Skin Model for the Assessment of Dexamethasone-Loaded Core Multishell-Nanocarriers. Pharmaceutics, 2020, 12, 862.	2.0	7
24	Liposomal FRET Assay Identifies Potent Drugâ€Like Inhibitors of the Ceramide Transport Protein (CERT). Chemistry - A European Journal, 2020, 26, 16616-16621.	1.7	25
25	Acid Sphingomyelinase Impacts Canonical Transient Receptor Potential Channels 6 (TRPC6) Activity in Primary Neuronal Systems. Cells, 2020, 9, 2502.	1.8	9
26	Characterization of the small molecule ARC39, a direct and specific inhibitor of acid sphingomyelinase in vitro. Journal of Lipid Research, 2020, 61, 896-910.	2.0	39
27	Morpholino Analogues of Fingolimod as Novel and Selective S1P1 Ligands with In Vivo Efficacy in a Mouse Model of Experimental Antigen-Induced Encephalomyelitis. International Journal of Molecular Sciences, 2020, 21, 6463.	1.8	12
28	Immunity-related GTPase induces lipophagy to prevent excess hepatic lipid accumulation. Journal of Hepatology, 2020, 73, 771-782.	1.8	34
29	A Role of Sphingosine in the Intracellular Survival of Neisseria gonorrhoeae. Frontiers in Cellular and Infection Microbiology, 2020, 10, 215.	1.8	11
30	Plasma Levels of the Bioactive Sphingolipid Metabolite S1P in Adult Cystic Fibrosis Patients: Potential Target for Immunonutrition?. Nutrients, 2020, 12, 765.	1.7	8
31	S1P and plasmalogen derived fatty aldehydes in cellular signaling and functions. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158681.	1.2	19
32	Acid ceramidase of macrophages traps herpes simplex virus in multivesicular bodies and protects from severe disease. Nature Communications, 2020, 11, 1338.	5.8	32
33	Being Born Large for Gestational Age is Associated with Increased Global Placental DNA Methylation. Scientific Reports, 2020, 10, 927.	1.6	22
34	Epigenetic histone modulation contributes to improvements in inflammatory bowel disease via EBI3. Cellular and Molecular Life Sciences, 2020, 77, 5017-5030.	2.4	13
35	A photocaged inhibitor of acid sphingomyelinase. Chemical Communications, 2020, 56, 14885-14888.	2.2	5
36	The Forebrain-Specific Overexpression of Acid Sphingomyelinase Induces Depressive-Like Symptoms in Mice. Cells, 2020, 9, 1244.	1.8	15

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37	Downâ€regulation of acid sphingomyelinase and neutral sphingomyelinaseâ€2 inversely determines the cellular resistance to plasmalemmal injury by poreâ€forming toxins. FASEB Journal, 2019, 33, 275-285.	0.2	15
38	Dermal Delivery of the High-Molecular-Weight Drug Tacrolimus by Means of Polyglycerol-Based Nanogels. Pharmaceutics, 2019, 11, 394.	2.0	18
39	Acid sphingomyelinase â€“ a regulator of canonical transient receptor potential channel 6 (TRPC6) activity. Journal of Neurochemistry, 2019, 150, 678-690.	2.1	12
40	Intestinal Acid Sphingomyelinase Protects From Severe Pathogen-Driven Colitis. Frontiers in Immunology, 2019, 10, 1386.	2.2	10
41	Sphingosine-coating of plastic surfaces prevents ventilator-associated pneumonia. Journal of Molecular Medicine, 2019, 97, 1195-1211.	1.7	23
42	Use of Acid Ceramidase and Sphingosine Kinase Inhibitors as Antiviral Compounds Against Measles Virus Infection of Lymphocytes in vitro. Frontiers in Cell and Developmental Biology, 2019, 7, 218.	1.8	19
43	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
44	Measles Virus Infection Fosters Dendritic Cell Motility in a 3D Environment to Enhance Transmission to Target Cells in the Respiratory Epithelium. Frontiers in Immunology, 2019, 10, 1294.	2.2	17
45	Qualifying X-ray and Stimulated Raman Spectromicroscopy for Mapping Cutaneous Drug Penetration. Analytical Chemistry, 2019, 91, 7208-7214.	3.2	12
46	Methionine restriction prevents onset of type 2 diabetes in NZO mice. FASEB Journal, 2019, 33, 7092-7102.	0.2	60
47	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. Scientific Reports, 2019, 9, 2913.	1.6	41
48	Mechanisms of GLP-1 receptorâ€“independent renoprotective effects of the dipeptidyl peptidase type 4 inhibitor linagliptin in GLP-1 receptor knockout mice with 5/6 nephrectomy. Kidney International, 2019, 95, 1373-1388.	2.6	27
49	Identification of functional lipid metabolism biomarkers of brown adipose tissue aging. Molecular Metabolism, 2019, 24, 1-17.	3.0	38
50	Core-multishell nanocarriers enhance drug penetration and reach keratinocytes and antigen-presenting cells in intact human skin. Journal of Controlled Release, 2019, 299, 138-148.	4.8	19
51	Role of Neutral Sphingomyelinase-2 (NSM 2) in the Control of T Cell Plasma Membrane Lipid Composition and Cholesterol Homeostasis. Frontiers in Cell and Developmental Biology, 2019, 7, 226.	1.8	11
52	Acid Sphingomyelinase Deficiency Ameliorates Farber Disease. International Journal of Molecular Sciences, 2019, 20, 6253.	1.8	13
53	Fatal gastric distension in a gold thioglucose mouse model of obesity. Laboratory Animals, 2019, 53, 89-94.	0.5	0
54	Etoposide Upregulates Survival Favoring Sphingosine-1-Phosphate in Etoposide-Resistant Retinoblastoma Cells. Pathology and Oncology Research, 2019, 25, 391-399.	0.9	7

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55	Clinical Development of Sphingosine as Anti-Bacterial Drug: Inhalation of Sphingosine in Mini Pigs has no Adverse Side Effects. Cellular Physiology and Biochemistry, 2019, 53, 1015-1028.	1.1	16
56	Î”â€² Hexadecenal Generated from S1P by Nuclear S1P Lyase Is a Regulator of HDAC1/2 Activity and Histone Acetylation in Lung Epithelial Cells. FASEB Journal, 2019, 33, 489.3.	0.2	2
57	Crosstalk between core-multishell nanocarriers for cutaneous drug delivery and antigen-presenting cells of the skin. Biomaterials, 2018, 162, 60-70.	5.7	10
58	Fetal Serum Metabolites Are Independently Associated with Gestational Diabetes Mellitus. Cellular Physiology and Biochemistry, 2018, 45, 625-638.	1.1	22
59	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. Critical Care Medicine, 2018, 46, e258-e267.	0.4	16
60	Sphingolipids as targets for inhalation treatment of cystic fibrosis. Advanced Drug Delivery Reviews, 2018, 133, 66-75.	6.6	25
61	Arsenic-containing hydrocarbons: effects on gene expression, epigenetics, and biotransformation in HepG2 cells. Archives of Toxicology, 2018, 92, 1751-1765.	1.9	21
62	Dietary carbohydrates impair the protective effect of protein restriction against diabetes in NZO mice used as a model of type 2 diabetes. Diabetologia, 2018, 61, 1459-1469.	2.9	13
63	How Effective Is Tacrolimus in the Imiquimod-Induced Mouse Model ofÂPsoriasis?. Journal of Investigative Dermatology, 2018, 138, 455-458.	0.3	10
64	Enhanced topical delivery of dexamethasone by Î²-cyclodextrin decorated thermoresponsive nanogels. Nanoscale, 2018, 10, 469-479.	2.8	44
65	Vitamin C promotes decitabine or azacytidine induced DNA hydroxymethylation and subsequent reactivation of the epigenetically silenced tumour suppressor CDKN1A in colon cancer cells. Oncotarget, 2018, 9, 32822-32840.	0.8	32
66	Antidepressants regulate autophagy by targeting acid sphingomyelinase. Molecular Psychiatry, 2018, 23, 2251-2251.	4.1	4
67	Chronic Psychosocial Stress in Mice Is Associated With Increased Acid Sphingomyelinase Activity in Liver and Serum and With Hepatic C16:0-Ceramide Accumulation. Frontiers in Psychiatry, 2018, 9, 496.	1.3	12
68	The Enigma of Sphingolipids in Health and Disease. International Journal of Molecular Sciences, 2018, 19, 3126.	1.8	2
69	Ventilator-induced lung injury is aggravated by antibiotic mediated microbiota depletion in mice. Critical Care, 2018, 22, 282.	2.5	17
70	Synthesis of poly(lactide-co-glycerol) as a biodegradable and biocompatible polymer with high loading capacity for dermal drug delivery. Nanoscale, 2018, 10, 16848-16856.	2.8	31
71	Antidepressants act by inducing autophagy controlled by sphingomyelinâ€“ceramide. Molecular Psychiatry, 2018, 23, 2324-2346.	4.1	166
72	Breaking the Barrier - Potent Anti-Inflammatory Activity following Efficient Topical Delivery of Etanercept using Thermoresponsive Nanogels. Theranostics, 2018, 8, 450-463.	4.6	58

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73	Divergent Role of Sphingosine 1-Phosphate in Liver Health and Disease. International Journal of Molecular Sciences, 2018, 19, 722.	1.8	39
74	Pathological manifestations of Farber disease in a new mouse model. Biological Chemistry, 2018, 399, 1183-1202.	1.2	24
75	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
76	Acid Sphingomyelinase Inhibition in Stored Erythrocytes Reduces Transfusion-Associated Lung Inflammation. Annals of Surgery, 2017, 265, 218-226.	2.1	41
77	Dendritic Core-Multishell Nanocarriers in Murine Models of Healthy and Atopic Skin. Nanoscale Research Letters, 2017, 12, 64.	3.1	20
78	Biocompatibility and characterization of polyglycerol-based thermoresponsive nanogels designed as novel drug-delivery systems and their intracellular localization in keratinocytes. Nanotoxicology, 2017, 11, 267-277.	1.6	52
79	Formulation and ex vivo evaluation of polymeric nanoparticles for controlled delivery of corticosteroids to the skin and the corneal epithelium. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 115, 122-130.	2.0	73
80	TSLP is a direct trigger for T cell migration in filaggrin-deficient skin equivalents. Scientific Reports, 2017, 7, 774.	1.6	57
81	The sphingosine 1-phosphate breakdown product, (2E)-hexadecenal, forms protein adducts and glutathione conjugates in vitro. Journal of Lipid Research, 2017, 58, 1648-1660.	2.0	21
82	Acid sphingomyelinase mediates murine acute lung injury following transfusion of aged platelets. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L625-L637.	1.3	26
83	Specific uptake mechanisms of well-tolerated thermoresponsive polyglycerol-based nanogels in antigen-presenting cells of the skin. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 116, 155-163.	2.0	20
84	Lysophosphatidic Acid Inhibits Insulin Signaling in Primary Rat Hepatocytes via the LPA3 Receptor Subtype and is Increased in Obesity. Cellular Physiology and Biochemistry, 2017, 43, 445-456.	1.1	22
85	Enhanced Acid Sphingomyelinase Activity Drives Immune Evasion and Tumor Growth in Nonâ€“Small Cell Lung Carcinoma. Cancer Research, 2017, 77, 5963-5976.	0.4	55
86	Selenium increases hepatic DNA methylation and modulates one-carbon metabolism in the liver of mice. Journal of Nutritional Biochemistry, 2017, 48, 112-119.	1.9	44
87	Poly[acrylonitrile-co-(N-vinyl pyrrolidone)] nanoparticles â€“ Composition-dependent skin penetration enhancement of a dye probe and biocompatibility. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 116, 66-75.	2.0	11
88	Formulation and comparative in vitro evaluation of various dexamethasone-loaded pH-sensitive polymeric nanoparticles intended for dermal applications. International Journal of Pharmaceutics, 2017, 516, 21-31.	2.6	51
89	Stratum corneum targeting by dendritic core-multishell-nanocarriers in a mouse model of psoriasis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 317-327.	1.7	26
90	Nuclear Translocation of SGPP-1 and Decrease of SGPL-1 Activity Contribute to Sphingolipid Rheostat Regulation of Inflammatory Dendritic Cells. Mediators of Inflammation, 2017, 2017, 1-10.	1.4	9

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91	Chemokine Receptors, CXCR1 and CXCR2, Differentially Regulate Exosome Release in Hepatocytes. PLoS ONE, 2016, 11, e0161443.	1.1	28
92	A Highly Photostable Hyperbranched Polyglycerolâ€Based NIR Fluorescence Nanoplatform for Mitochondriaâ€Specific Cell Imaging. Advanced Healthcare Materials, 2016, 5, 2214-2226.	3.9	26
93	Ethyl cellulose nanocarriers and nanocrystals differentially deliver dexamethasone into intact, tape-stripped or sodium lauryl sulfate-exposed ex vivo human skin - assessment by intradermal microdialysis and extraction from the different skin layers. Journal of Controlled Release, 2016, 242, 25-34.	4.8	56
94	Involvement of Sphingosine 1-Phosphate in Palmitate-Induced Non-Alcoholic Fatty Liver Disease. Cellular Physiology and Biochemistry, 2016, 40, 1637-1645.	1.1	32
95	Maternal PCaaC38:6 is Associated With Preterm Birth - a Risk Factor for Early and Late Adverse Outcome of the Offspring. Kidney and Blood Pressure Research, 2016, 41, 250-257.	0.9	17
96	Comparison of different methods to study effects of silver nanoparticles on the pro- and antioxidant status of human keratinocytes and fibroblasts. Methods, 2016, 109, 55-63.	1.9	17
97	A Functionalized Sphingolipid Analogue for Studying Redistribution during Activation in Living T Cells. Journal of Immunology, 2016, 196, 3951-3962.	0.4	30
98	A sphingolipid mechanism for behavioral extinction. Journal of Neurochemistry, 2016, 137, 589-603.	2.1	46
99	Increased global placental DNA methylation levels are associated with gestational diabetes. Clinical Epigenetics, 2016, 8, 82.	1.8	104
100	Caenorhabditis elegans as a model system to study post-translational modifications of human transthyretin. Scientific Reports, 2016, 6, 37346.	1.6	12
101	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
102	Formulation and in vitro evaluation of polymeric enteric nanoparticles as dermal carriers with pH-dependent targeting potential. European Journal of Pharmaceutical Sciences, 2016, 92, 98-109.	1.9	44
103	Incorporation and visualization of azido-functionalized N-oleoyl serinol in Jurkat cells, mouse brain astrocytes, 3T3 fibroblasts and human brain microvascular endothelial cells. Chemical Communications, 2016, 52, 8612-8614.	2.2	19
104	Tailored dendritic core-multishell nanocarriers for efficient dermal drug delivery: A systematic top-down approach from synthesis to preclinical testing. Journal of Controlled Release, 2016, 242, 50-63.	4.8	32
105	In Silico Prediction of Human Sulfotransferase 1E1 Activity Guided by Pharmacophores from Molecular Dynamics Simulations. Journal of Biological Chemistry, 2016, 291, 58-71.	1.6	27
106	Hepatocyte exosomes mediate liver repair and regeneration via sphingosine-1-phosphate. Journal of Hepatology, 2016, 64, 60-68.	1.8	235
107	Regulation of hematogenous tumor metastasis by acid sphingomyelinase. EMBO Molecular Medicine, 2015, 7, 714-734.	3.3	83
108	Highly sensitive isotope-dilution liquid-chromatographyâ€“electrospray ionizationâ€“tandem-mass spectrometry approach to study the drug-mediated modulation of dopamine and serotonin levels in Caenorhabditis elegans. Talanta, 2015, 144, 71-79.	2.9	18

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109	The role of serum amyloid A and sphingosine-1-phosphate on high-density lipoprotein functionality. Biological Chemistry, 2015, 396, 573-583.	1.2	34
110	Decreased plasma levels of the endothelial protective sphingosine-1-phosphate are associated with dengue-induced plasma leakage. Journal of Infection, 2015, 71, 480-487.	1.7	17
111	Hypermethylation of ITGA4, TFPI2 and VIMENTIN promoters is increased in inflamed colon tissue: putative risk markers for colitis-associated cancer. Journal of Cancer Research and Clinical Oncology, 2015, 141, 2097-2107.	1.2	51
112	Loss of pdr-1/parkin influences Mn homeostasis through altered ferroportin expression in C. elegans. Metallomics, 2015, 7, 847-856.	1.0	30
113	Alterations of plasma glycerophospholipid and sphingolipid species in male alcohol-dependent patients. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1501-1510.	1.2	23
114	Sphingosine 1-phosphate counteracts insulin signaling in pancreatic Î²-cells via the sphingosine 1-phosphate receptor subtype 2. FASEB Journal, 2015, 29, 3357-3369.	0.2	43
115	Enhanced thyroid hormone breakdown in hepatocytes by mutual induction of the constitutive androstane receptor (CAR, NR1I3) and arylhydrocarbon receptor by benzo[a]pyrene and phenobarbital. Toxicology, 2015, 328, 21-28.	2.0	20
116	Engineered liposomes sequester bacterial exotoxins and protect from severe invasive infections in mice. Nature Biotechnology, 2015, 33, 81-88.	9.4	187
117	Internal threshold of toxicological concern values: enabling route-to-route extrapolation. Archives of Toxicology, 2015, 89, 941-948.	1.9	33
118	The effects of glucose and lipids in steatotic and nonâ€steatotic livers in conditions of partial hepatectomy under ischaemiaâ€reperfusion. Liver International, 2014, 34, e271-89.	1.9	19
119	Sphingosine-1-Phosphate Modulates Dendritic Cell Function: Focus on Non-Migratory Effects <i>in Vitro</i> and <i>in Vivo</i>. Cellular Physiology and Biochemistry, 2014, 34, 27-44.	1.1	35
120	The ceramide kinase inhibitor <scp>NVP</scp>â€231 inhibits breast and lung cancer cell proliferation by inducing <scp>M</scp> phase arrest and subsequent cell death. British Journal of Pharmacology, 2014, 171, 5829-5844.	2.7	56
121	Calcitonin controls bone formation by inhibiting the release of sphingosine 1-phosphate from osteoclasts. Nature Communications, 2014, 5, 5215.	5.8	160
122	Sphingoid long chain bases prevent lung infection by Pseudomonas aeruginosa. EMBO Molecular Medicine, 2014, 6, 1205-1214.	3.3	109
123	Analysis of Genomic DNA Methylation Levels in Human Placenta using Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry. Cellular Physiology and Biochemistry, 2014, 33, 945-952.	1.1	17
124	Divergent Role of Sphingosine 1-Phosphate on Insulin Resistance. Cellular Physiology and Biochemistry, 2014, 34, 134-147.	1.1	51
125	Involvement of sphingosine 1-phosphate in palmitate-induced insulin resistance of hepatocytes via the S1P2 receptor subtype. Diabetologia, 2014, 57, 373-382.	2.9	79
126	Sphingosine-1-phosphate as signaling molecule in the skin. Allergo Journal International, 2014, 23, 54-59.	0.9	31

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127	Method to Simultaneously Determine the Sphingosine 1-Phosphate Breakdown Product (2E)-Hexadecenal and Its Fatty Acid Derivatives Using Isotope-Dilution HPLCâ€“Electrospray Ionizationâ€“Quadrupole/Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2014, 86, 9065-9073.	3.2	9
128	Sphingosine-1-phosphate receptors control B-cell migration through signaling components associated with primary immunodeficiencies, chronic lymphocytic leukemia, and multiple sclerosis. Journal of Allergy and Clinical Immunology, 2014, 134, 420-428.e15.	1.5	70
129	Novel oxazolo-oxazole derivatives of FTY720 reduce endothelial cell permeability, immune cell chemotaxis and symptoms of experimental autoimmune encephalomyelitis in mice. Neuropharmacology, 2014, 85, 314-327.	2.0	24
130	Acid sphingomyelinaseâ€“ceramide system mediates effects of antidepressant drugs. Nature Medicine, 2013, 19, 934-938.	15.2	313
131	Aspirin inhibits release of platelet-derived sphingosine-1-phosphate in acute myocardial infarction. International Journal of Cardiology, 2013, 170, e23-e24.	0.8	18
132	Effective inhibition of acid and neutral ceramidases by novel B-13 and LCL-464 analogues. Bioorganic and Medicinal Chemistry, 2013, 21, 874-882.	1.4	32
133	Sphingosine-1-phosphate exhibits anti-proliferative and anti-inflammatory effects in mouse models of psoriasis. Journal of Dermatological Science, 2013, 71, 29-36.	1.0	59
134	Ultrasensitive Detection of Unknown Colon Cancer-Initiating Mutations Using the Example of the Adenomatous Polyposis Coli Gene. Cancer Prevention Research, 2013, 6, 898-907.	0.7	9
135	Sphingolipids and Inflammatory Diseases of the Skin. Handbook of Experimental Pharmacology, 2013, , 355-372.	0.9	9
136	Factor-Xa-induced mitogenesis and migration require sphingosine kinase activity and S1P formation in human vascular smooth muscle cells. Cardiovascular Research, 2013, 99, 505-513.	1.8	33
137	Osteoclast-specific cathepsin K deletion stimulates S1P-dependent bone formation. Journal of Clinical Investigation, 2013, 123, 666-81.	3.9	244
138	Sphingosine 1-phosphate protects primary human keratinocytes from apoptosis via nitric oxide formation through the receptor subtype S1P3. Molecular and Cellular Biochemistry, 2012, 371, 165-176.	1.4	13
139	Novel methods for the quantification of (2E)-hexadecenal by liquid chromatography with detection by either ESI QTOF tandem mass spectrometry or fluorescence measurement. Analytica Chimica Acta, 2012, 722, 70-79.	2.6	14
140	Sphingosine 1-Phosphate Modulates Antigen Capture by Murine Langerhans Cells via the S1P2 Receptor Subtype. PLoS ONE, 2012, 7, e49427.	1.1	44
141	Sphingomyelin and sphingomyelin synthase (SMS) in the malignant transformation of glioma cells and in 2-hydroxyoleic acid therapy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19569-19574.	3.3	142
142	Decreased Concentration and Enhanced Metabolism of Sphingosine-1-Phosphate in Lesional Skin of Dogs with Atopic Dermatitis: Disturbed Sphingosine-1-Phosphate Homeostasis in Atopic Dermatitis. Journal of Investigative Dermatology, 2011, 131, 266-268.	0.3	32
143	Expression of sphingosine-1-phosphate receptors and lysophosphatidic acid receptors on cultured and xenografted human colon, breast, melanoma, and lung tumor cells. Tumor Biology, 2010, 31, 341-349.	0.8	13
144	Sphingosine 1â€phosphate mediates chemotaxis of human primary fibroblasts via the S1Pâ€receptor subtypes S1P₁ and S1P₃ and Smadâ€signalling. Cytoskeleton, 2010, 67, 773-783.	1.0	10

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145	Phosphorylation of the Immunomodulator FTY720 Inhibits Programmed Cell Death of Fibroblasts Via the S1P₃ Receptor Subtype and Bcl-2 Activation. Cellular Physiology and Biochemistry, 2010, 26, 67-78.	1.1	18
146	Dexamethasone protects human fibroblasts from apoptosis via an S1P3-receptor subtype dependent activation of PKB/Akt and BclXL. Pharmacological Research, 2010, 61, 449-459.	3.1	18
147	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
148	Human polymerase Î± inhibitors for skin tumors. Part 2. Modeling, synthesis and influence on normal and transformed keratinocytes of new thymidine and purine derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 250-265.	2.5	6
149	Sphingosine Kinase-1 (SphK-1) Regulates Mycobacterium smegmatis Infection in Macrophages. PLoS ONE, 2010, 5, e10657.	1.1	30
150	Practical Syntheses of Sphingosine-1-Phosphate and Analogues. Synthesis, 2009, 2009, 759-766.	1.2	1
151	Involvement of the ABC-transporter ABCC1 and the sphingosine 1-phosphate receptor subtype S1P3 in the cytoprotection of human fibroblasts by the glucocorticoid dexamethasone. Journal of Molecular Medicine, 2009, 87, 645-657.	1.7	59
152	Topical Application of Sphingosine-1-Phosphate and FTY720 Attenuate Allergic Contact Dermatitis Reaction through Inhibition of Dendritic Cell Migration. Journal of Investigative Dermatology, 2009, 129, 1954-1962.	0.3	77
153	Influences of opioids and nanoparticles on in vitro wound healing models. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 34-42.	2.0	74
154	The role of sphingosine-1-phosphate receptor modulators in the prevention of transplant rejection and autoimmune diseases. Current Opinion in Investigational Drugs, 2009, 10, 1183-94.	2.3	10
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