

# Dagmar Meyer zu Heringdorf

## List of Publications by Year in descending order

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72  
papers

3,234  
citations

159525

30  
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149623

56  
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72  
all docs

72  
docs citations

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times ranked

3121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysophospholipid receptors: Signalling, pharmacology and regulation by lysophospholipid metabolism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 923-940.	1.4	329
2	Regulation and functional roles of sphingosine kinases. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2007, 374, 413-428.	1.4	203
3	Sphingosine kinase-mediated Ca <sup>2+</sup> signalling by G-protein-coupled receptors. <i>EMBO Journal</i> , 1998, 17, 2830-2837.	3.5	202
4	Activation of a High Affinity Gi Protein-coupled Plasma Membrane Receptor by Sphingosine-1-phosphate. <i>Journal of Biological Chemistry</i> , 1996, 271, 2082-2087.	1.6	195
5	Sphingosylphosphorylcholine's biological functions and mechanisms of action. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1582, 178-189.	1.2	121
6	IAPs regulate the plasticity of cell migration by directly targeting Rac1 for degradation. <i>EMBO Journal</i> , 2012, 31, 14-28.	3.5	117
7	Molecular diversity of sphingolipid signalling. <i>FEBS Letters</i> , 1997, 410, 34-38.	1.3	108
8	Formyl Peptide Receptor Signaling in HL-60 Cells through Sphingosine Kinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 3994-3999.	1.6	97
9	Sphingosine-1-phosphate and sphingosylphosphorylcholine constrict renal and mesenteric microvessels in vitro. <i>British Journal of Pharmacology</i> , 2000, 130, 1871-1877.	2.7	95
10	Stimulation of intracellular sphingosine-1-phosphate production by G-protein-coupled sphingosine-1-phosphate receptors. <i>European Journal of Pharmacology</i> , 2001, 414, 145-154.	1.7	89
11	Photolysis of intracellular caged sphingosine-1-phosphate causes Ca <sup>2+</sup> mobilization independently of G-protein-coupled receptors. <i>FEBS Letters</i> , 2003, 554, 443-449.	1.3	87
12	Evidence for Edg-3 Receptor-Mediated Activation of <i>IK</i> by Sphingosine-1-Phosphate in Human Atrial Cardiomyocytes. <i>Molecular Pharmacology</i> , 2000, 58, 449-454.	1.0	83
13	Caspase-2 is an initiator caspase responsible for pore-forming toxin-mediated apoptosis. <i>EMBO Journal</i> , 2012, 31, 2615-2628.	3.5	81
14	Chains and fragments of tetanus toxin. Separation, reassociation and pharmacological properties. <i>FEBS Journal</i> , 1989, 182, 649-656.	0.2	78
15	Sphingosine-1-phosphate reduces rat renal and mesenteric blood flow in vivo in a pertussis toxin-sensitive manner. <i>British Journal of Pharmacology</i> , 2000, 130, 1878-1883.	2.7	77
16	Lysophospholipid receptor-dependent and -independent calcium signaling. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 937-948.	1.2	73
17	Closing in on the toxic domain through analysis of a variant <i>Clostridium difficile</i> cytotoxin B. <i>Molecular Microbiology</i> , 1995, 17, 313-321.	1.2	72
18	Role of sphingosine kinase in Ca <sup>2+</sup> signalling by epidermal growth factor receptor. <i>FEBS Letters</i> , 1999, 461, 217-222.	1.3	64

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19	Calcium signalling by G protein-coupled sphingolipid receptors in bovine aortic endothelial cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996, 354, 397-403.	1.4	57
20	Sphingosine kinase-mediated calcium signaling by muscarinic acetylcholine receptors. <i>Life Sciences</i> , 2001, 68, 2535-2540.	2.0	54
21	Sphingosine-1-Phosphate Receptor-2 Antagonists: Therapeutic Potential and Potential Risks. <i>Frontiers in Pharmacology</i> , 2016, 7, 167.	1.6	52
22	Stimulation of Sphingosine-1-phosphate Formation by the P2Y <sub>2</sub> Receptor in HL-60 Cells: Ca <sup>2+</sup> Requirement and Implication in Receptor-Mediated Ca <sup>2+</sup> Mobilization, but Not MAP Kinase Activation. <i>Molecular Pharmacology</i> , 2000, 58, 491-497.	1.0	39
23	Depolarisation induces rapid and transient formation of intracellular sphingosine-1-phosphate. <i>FEBS Letters</i> , 2001, 509, 239-244.	1.3	38
24	Lysosphingolipid receptor-mediated diuresis and natriuresis in anaesthetized rats. <i>British Journal of Pharmacology</i> , 2001, 132, 1925-1933.	2.7	36
25	Sphingosine 1-phosphate (S1P) induces COX-2 expression and PGE2 formation via S1P receptor 2 in renal mesangial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 11-21.	1.2	36
26	Lysophospholipid Receptor-Mediated Calcium Signaling in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1487-1498.	0.3	35
27	Long noncoding RNA LISPR1 is required for S1P signaling and endothelial cell function. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 116, 57-68.	0.9	35
28	Analysis of receptor-G protein interactions in permeabilized cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1995, 351, 329-336.	1.4	34
29	Evidence for a link between histone deacetylation and Ca <sup>2+</sup> homeostasis in sphingosine-1-phosphate lyase-deficient fibroblasts. <i>Biochemical Journal</i> , 2012, 447, 457-464.	1.7	33
30	Discrimination between plasma membrane and intracellular target sites of sphingosylphosphorylcholine. <i>European Journal of Pharmacology</i> , 1998, 354, 113-122.	1.7	31
31	G <sub>i</sub> -mediated plasma membrane translocation of sphingosine kinase-1 and cross-activation of S1P receptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 357-370.	1.2	30
32	The cytoskeletal inhibitors latrunculin A and blebbistatin exert antitumorigenic properties in human hepatocellular carcinoma cells by interfering with intracellular HuR trafficking. <i>Experimental Cell Research</i> , 2015, 330, 66-80.	1.2	30
33	Sphingosine-1-phosphate (S1P) induces potent anti-inflammatory effects <i>in vitro</i> and <i>in vivo</i> by S1P receptor 4-mediated suppression of 5- $\alpha$ -lipoxygenase activity. <i>FASEB Journal</i> , 2019, 33, 1711-1726.	0.2	30
34	Activation of sphingosine kinase by muscarinic receptors enhances NO-mediated and attenuates EDHF-mediated vasorelaxation. <i>Basic Research in Cardiology</i> , 2009, 104, 50-59.	2.5	28
35	Sphingosine kinase 2 is a negative regulator of inflammatory macrophage activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1235-1246.	1.2	27
36	Bradykinin mediates myogenic differentiation in murine myoblasts through the involvement of SK1/Spns2/S1P2 axis. <i>Cellular Signalling</i> , 2018, 45, 110-121.	1.7	25

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37	Enhanced Ca <sup>2+</sup> storage in sphingosine-1-phosphate lyase-deficient fibroblasts. <i>Cellular Signalling</i> , 2010, 22, 476-483.	1.7	24
38	Novel oxazolo-oxazole derivatives of FTY720 reduce endothelial cell permeability, immune cell chemotaxis and symptoms of experimental autoimmune encephalomyelitis in mice. <i>Neuropharmacology</i> , 2014, 85, 314-327.	2.0	24
39	Inhibition of Ca <sup>2+</sup> signalling by the sphingosine 1-phosphate receptor S1P1. <i>Cellular Signalling</i> , 2003, 15, 677-687.	1.7	23
40	Thiazolidinedione-dependent activation of sphingosine kinase 1 causes an anti-fibrotic effect in renal mesangial cells. <i>British Journal of Pharmacology</i> , 2012, 166, 1018-1032.	2.7	23
41	The activation of RhoC in vascular endothelial cells is required for the S1P receptor type 2-induced inhibition of angiogenesis. <i>Cellular Signalling</i> , 2013, 25, 2478-2484.	1.7	21
42	Sphingolipid receptor signaling and function in human bladder carcinoma cells: inhibition of LPA- but enhancement of thrombin-stimulated cell motility. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 1-11.	1.4	20
43	Activation of Adenylyl Cyclase Causes Stimulation of Adenosine Receptors. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2516-2528.	1.1	20
44	Downregulation of the S1P Transporter Spinster Homology Protein 2 (Spns2) Exerts an Anti-Fibrotic and Anti-Inflammatory Effect in Human Renal Proximal Tubular Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1498.	1.8	20
45	Problem- vs. lecture-based pharmacology teaching in a German medical school. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002, 366, 64-68.	1.4	19
46	Glucocorticoids protect renal mesangial cells from apoptosis by increasing cellular sphingosine-1-phosphate. <i>Kidney International</i> , 2010, 77, 870-879.	2.6	19
47	Transient relaxation of rat mesenteric microvessels by ceramides. <i>British Journal of Pharmacology</i> , 2002, 135, 417-426.	2.7	18
48	Pharmacology of the Sphingosine-1-Phosphate Signalling System. <i>Handbook of Experimental Pharmacology</i> , 2013, , 239-253.	0.9	16
49	Upregulation of ABC transporters contributes to chemoresistance of sphingosine 1-phosphate lyase-deficient fibroblasts. <i>Journal of Lipid Research</i> , 2015, 56, 60-69.	2.0	16
50	Characterization of cholesterol homeostasis in sphingosine-1-phosphate lyase-deficient fibroblasts reveals a Niemann-Pick disease type C-like phenotype with enhanced lysosomal Ca <sup>2+</sup> storage. <i>Scientific Reports</i> , 2017, 7, 43575.	1.6	16
51	Mitochondrial fragmentation in human macrophages attenuates palmitate-induced inflammatory responses. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 433-446.	1.2	15
52	PPAR $\beta$ agonists upregulate sphingosine 1-phosphate (S1P) receptor 1 expression, which in turn reduces S1P-induced [Ca <sup>2+</sup> ] <sub>i</sub> increases in renal mesangial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1634-1643.	1.2	13
53	Sphingosylphosphorylcholine, a naturally occurring lipid mediator, inhibits human platelet function. <i>British Journal of Pharmacology</i> , 2003, 138, 435-444.	2.7	12
54	Secreted modular calcium-binding protein 1 binds and activates thrombin to account for platelet hyperreactivity in diabetes. <i>Blood</i> , 2021, 137, 1641-1651.	0.6	12

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55	Translocation of Microfilament-Associated Inhibitory guanine-nucleotide-binding Proteins to the Plasma Membrane in Myeloid Differentiated Human Leukemia (HL-60) Cells. FEBS Journal, 1996, 235, 670-676.	0.2	11
56	Receptor-Induced Translocation of Activated Guanine-Nucleotide-Binding Protein alpha Subunits to the Cytoskeleton in Myeloid Differentiated Human Leukemia (HL-60) Cells. FEBS Journal, 1996, 239, 752-758.	0.2	10
57	Transforming growth factor $\beta$ 2 (TGF- $\beta$ 2)-induced connective tissue growth factor (CTGF) expression requires sphingosine 1-phosphate receptor 5 (S1P5) in human mesangial cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 519-526.	1.2	10
58	S1P d20:1, an endogenous modulator of S1P d18:1/S1P<sub>2</sub>-dependent signaling. FASEB Journal, 2020, 34, 3932-3942.	0.2	8
59	Renal mesangial cells: moving on sphingosine kinase-1. British Journal of Pharmacology, 2007, 150, 255-257.	2.7	7
60	Dissecting Gq/11-Mediated Plasma Membrane Translocation of Sphingosine Kinase-1. Cells, 2020, 9, 2201.	1.8	6
61	The sphingosine kinase 1 activator, K6PC-5, attenuates Ebola virus infection. IScience, 2021, 24, 102266.	1.9	6
62	cAMP guided his way: a life for G protein-mediated signal transduction and molecular pharmacologyâ€”tribute to Karl H. Jakobs. Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 887-911.	1.4	5
63	The WD40 repeat protein, WDR36, orchestrates sphingosine kinase-1 recruitment and phospholipase C- $\beta$ 2 activation by Gq-coupled receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158704.	1.2	5
64	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
65	Cis-4-methylsphingosine is a sphingosine-1-phosphate receptor modulator. Biochemical Pharmacology, 2011, 81, 617-625.	2.0	3
66	S1P-lyase deficiency uncouples ganglioside formation â€” Potential contribution to tumorigenic capacity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158708.	1.2	3
67	Lysophospholipids. , 2008, , 710-716.		3
68	Downregulation of sphingosine 1-phosphate (S1P) receptor 1 by dexamethasone inhibits S1P-induced mesangial cell migration. Biological Chemistry, 2015, 396, 803-812.	1.2	1
69	Lysophosphatidic Acid. , 2021, , 1-5.		0
70	Lysophospholipids. , 2021, , 1-3.		0
71	The Sphingosine Kinase-1 Activator, K6PC-5, Attenuates the Ebola Virus Infection and the Virus Induced Cell Death. SSRN Electronic Journal, 0, , .	0.4	0
72	Sphingosine-1-Phosphate. , 2021, , 1466-1471.		0