Martin Reichel

List of Publications by Year
in descending order

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65 papers	3,259 citations	172457 29 h-index	149698 56 g-index
66 all docs	66 docs citations	66 times ranked	4020 citing authors

#	Article	IF	Citations
1	Acid sphingomyelinaseâ€“ceramide system mediates effects of antidepressant drugs. Nature Medicine, 2013, 19, 934-938.	30.7	313
2	Functional Inhibitors of Acid Sphingomyelinase (FIASMAs): A Novel Pharmacological Group of Drugs with Broad Clinical Applications. Cellular Physiology and Biochemistry, 2010, 26, 9-20.	1.6	299
3	Brain membrane lipids in major depression and anxiety disorders. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1052-1065.	2.4	222
4	Identification of New Functional Inhibitors of Acid Sphingomyelinase Using a Structureâ^'Propertyâ^'Activity Relation Model. Journal of Medicinal Chemistry, 2008, 51, 219-237.	6.4	203
5	Diagnostic tool for the identification of MLL rearrangements including unknown partner genes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 449-454.	7.1	175
6	Identification of Novel Functional Inhibitors of Acid Sphingomyelinase. PLoS ONE, 2011, 6, e23852.	2.5	145
7	Lipids in psychiatric disorders and preventive medicine. Neuroscience and Biobehavioral Reviews, 2017, 76, 336-362.	6.1	116
8	A DNA damage repair mechanism is involved in the origin of chromosomal translocations t(4;11) in primary leukemic cells. Oncogene, 1999, 18, 4663-4671.	5.9	106
9	The ceramide system as a novel antidepressant target. Trends in Pharmacological Sciences, 2014, 35, 293-304.	8.7	96
10	Fine structure of translocation breakpoints in leukemic blasts with chromosomal translocation t(4;11): the DNA damage-repair model of translocation. Oncogene, 1998, 17, 3035-3044.	5.9	90
11	Influence of brain-derived neurotrophic-factor and apolipoprotein E genetic variants on hippocampal volume and memory performance in healthy young adults. Journal of Neural Transmission, 2011, 118, 249-257.	2.8	88
12	Exon/intron structure of the human AFâ€4 gene, a member of the AF â€4/ LAF â€4/ FMR â€2 gene family coding for a nuclear protein with structural alterations in acute leukaemia. British Journal of Haematology, 1997, 98, 157-169.	2.5	86
13	Biased distribution of chromosomal breakpoints involving the MLL gene in infants versus children and adults with t(4;11) ALL. Oncogene, 2001, 20, 2900-2907.	5.9	76
14	Analysis of t(9;11) chromosomal breakpoint sequences in childhood acute leukemia: Almost identicalMLL breakpoints in therapy-related AML after treatment without etoposides. Genes Chromosomes and Cancer, 2003, 36, 393-401.	2.8	70
15	Paradoxical antidepressant effects of alcohol are related to acid sphingomyelinase and its control of sphingolipid homeostasis. Acta Neuropathologica, 2017, 133, 463-483.	7.7	68
16	A central role for the acid sphingomyelinase/ceramide system in neurogenesis and major depression. Journal of Neurochemistry, 2015, 134, 183-192.	3.9	67
17	Hippocampal Volume Differences Between Healthy Young Apolipoprotein E Îµ2 and Îµ4 Carriers. Journal of Alzheimer's Disease, 2011, 26, 207-210.	2.6	62
18	Enhanced Acid Sphingomyelinase Activity Drives Immune Evasion and Tumor Growth in Nonâ€“Small Cell Lung Carcinoma. Cancer Research, 2017, 77, 5963-5976.	0.9	55

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19	Wnt/Î²-catenin signaling via Axin2 is required for myogenesis and, together with YAP/Taz and Tead1, active in IIa/IIx muscle fibers. Development (Cambridge), 2016, 143, 3128-3142.	2.5	51
20	The role of ceramide in major depressive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 199-204.	3.2	46
21	Activity of Secretory Sphingomyelinase Is Increased in Plasma of Alcohol-Dependent Patients. Alcoholism: Clinical and Experimental Research, 2011, 35, 1852-1859.	2.4	46
22	A sphingolipid mechanism for behavioral extinction. Journal of Neurochemistry, 2016, 137, 589-603.	3.9	46
23	Increased Acid Sphingomyelinase Activity in Peripheral Blood Cells of Acutely Intoxicated Patients With Alcohol Dependence. Alcoholism: Clinical and Experimental Research, 2010, 34, 46-50.	2.4	43
24	A highly specific and sensitive fluorescence in situ hybridization assay for the detection of t(4;11)(q21;q23) and concurrent submicroscopic deletions in acute leukaemias. British Journal of Haematology, 2002, 116, 758-764.	2.5	42
25	Sphingolipids in Psychiatric Disorders and Pain Syndromes. Handbook of Experimental Pharmacology, 2013, , 431-456.	1.8	42
26	The peroxisome proliferator-activated receptor-Î³ agonist troglitazone inhibits transforming growth factor-Î²â€“mediated glioma cell migration and brain invasion. Molecular Cancer Therapeutics, 2007, 6, 1745-1754.	4.1	41
27	EFhd2/Swiprosin-1 is a common genetic determinator for sensation-seeking/low anxiety and alcohol addiction. Molecular Psychiatry, 2018, 23, 1303-1319.	7.9	40
28	Vascular and Neurogenic Rejuvenation in Aging Mice by Modulation of ASM. Neuron, 2018, 100, 167-182.e9.	8.1	39
29	Rapid isolation of chromosomal breakpoints from patients with t(4;11) acute lymphoblastic leukemia: implications for basic and clinical research. Cancer Research, 1999, 59, 3357-62.	0.9	31
30	Prenatal androgen receptor activation determines adult alcohol and water drinking in a sexâ€specific way. Addiction Biology, 2018, 23, 904-920.	2.6	30
31	Characterization of Acid Sphingomyelinase Activity in Human Cerebrospinal Fluid. PLoS ONE, 2013, 8, e62912.	2.5	29
32	Functional Implications of Novel Human Acid Sphingomyelinase Splice Variants. PLoS ONE, 2012, 7, e35467.	2.5	27
33	Sex-Dependent Decrease of Sphingomyelinase Activity During Alcohol Withdrawal Treatment. Cellular Physiology and Biochemistry, 2014, 34, 71-81.	1.6	24
34	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.	2.4	23
35	High Oxalate Concentrations Correlate with Increased Risk for Sudden Cardiac Death in Dialysis Patients. Journal of the American Society of Nephrology: JASN, 2021, 32, 2375-2385.	6.1	23
36	Hippocampal structure and function are maintained despite severe innate peripheral inflammation. Brain, Behavior, and Immunity, 2015, 49, 156-170.	4.1	21

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37	Kdm6b and Pmepa1 as Targets of Bioelectrically and Behaviorally Induced Activin A Signaling. Molecular Neurobiology, 2016, 53, 4210-4225.	4.0	21
38	Role of Acid Sphingomyelinase in the Regulation of Social Behavior and Memory. PLoS ONE, 2016, 11, e0162498.	2.5	19
39	Alternative splicing of SMPD1 coding for acid sphingomyelinase in major depression. Journal of Affective Disorders, 2017, 209, 10-15.	4.1	18
40	Acid sphingomyelinase controls dopamine activity and responses to appetitive stimuli in mice. Brain Research Bulletin, 2019, 146, 310-319.	3.0	18
41	Enhanced Alcohol Preference and Anxiolytic Alcohol Effects in Niemann-Pick Disease Model in Mice. Frontiers in Neurology, 2019, 10, 731.	2.4	17
42	Assessment of Plasma Oxalate Concentration in Patients With CKD. Kidney International Reports, 2020, 5, 2013-2020.	0.8	17
43	Impact of Regular or Extended Hemodialysis and Hemodialfiltration on Plasma Oxalate Concentrations in Patients With End-Stage Renal Disease. Kidney International Reports, 2017, 2, 1050-1058.	0.8	15
44	The Forebrain-Specific Overexpression of Acid Sphingomyelinase Induces Depressive-Like Symptoms in Mice. Cells, 2020, 9, 1244.	4.1	15
45	Secretion of Acid Sphingomyelinase is Affected by its Polymorphic Signal Peptide. Cellular Physiology and Biochemistry, 2014, 34, 1385-1401.	1.6	14
46	Enteric Oxalate Secretion Mediated by Slc26a6 Defends against Hyperoxalemia in Murine Models of Chronic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2020, 31, 1987-1995.	6.1	13
47	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.	2.6	12
48	Acid sphingomyelinase â€“ a regulator of canonical transient receptor potential channel 6 (TRPC6) activity. Journal of Neurochemistry, 2019, 150, 678-690.	3.9	12
49	The Common Acid Sphingomyelinase Polymorphism p.G508R is Associated with Self-Reported Allergy. Cellular Physiology and Biochemistry, 2014, 34, 82-91.	1.6	11
50	mRNA Expression of SMPD1 Encoding Acid Sphingomyelinase Decreases upon Antidepressant Treatment. International Journal of Molecular Sciences, 2021, 22, 5700.	4.1	10
51	Rapid isolation of chromosomal breakpoints from patients with t(4;11) acute lymphoblastic leukemia: implications for basic and clinical research. Leukemia, 2001, 15, 286-288.	7.2	9
52	Influence of brain-derived neurotrophic factor and apolipoprotein E genetic variants on hemispheric and lateral ventricular volume of young healthy adults. Acta Neuropsychiatrica, 2011, 23, 132-138.	2.1	9
53	Alleged Detrimental Mutations in the SMPD1 Gene in Patients with Niemann-Pick Disease. International Journal of Molecular Sciences, 2015, 16, 13649-13652.	4.1	9
54	Immunoregulatory role of acid sphingomyelinase in allergic asthma. Immunology, 2019, 156, 373-383.	4.4	9

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55	P2X7 Receptor Stimulation Is Not Required for Oxalate Crystal-Induced Kidney Injury. Scientific Reports, 2019, 9, 20086.	3.3	7
56	The Acid Sphingomyelinase Sequence Variant p.A487V Is Not Associated With Decreased Levels of Enzymatic Activity. JIMD Reports, 2012, 8, 1-6.	1.5	5
57	Associations between APOE-, COMT Val108/158Met- and BDNF Val66Met polymorphisms and variations in depressive and anxiety symptoms, sense of coherence and vital exhaustion in the real-life setting of mandatory basic military training. Journal of Neural Transmission, 2021, 128, 105-114.	2.8	3
58	Statins, obesity, and the microbiome: a potential mechanism for the pleiotropic effects of statin therapy. Kidney International, 2021, 99, 531-533.	5.2	2
59	Activity of Acid Sphingomyelinase in relation to Hippocampal volume and memory function in young healthy females. European Psychiatry, 2008, 23, S290.	0.2	0
60	D.11 - THE ACID SPHINGOMYELINASE/CERAMIDE SYSTEM AS A NEW PATHWAY FOR ANTI-DEPRESSANT ACTION. Behavioural Pharmacology, 2013, 24, e40.	1.7	0
61	Alcohol Reverses Depression/Anxiety State of Mice With Acid Sphingomyelinase Overexpression. Biological Psychiatry, 2020, 87, S139-S140.	1.3	0
62	Author Reply to Comment on â€œAssessment of Plasma Oxalate Concentration in Patients With CKDâ€•by Oka etÂal.. Kidney International Reports, 2021, 6, 1194-1195.	0.8	0
63	Prediction of functional inhibition of acid sphingomyelinase and acid ceramidase. Pharmacopsychiatry, 2007, 40, .	3.3	0
64	Neuroanatomical correlates of cognitive performance in healthy young adults: the role of basal ganglia volume. Pharmacopsychiatry, 2013, 46, .	3.3	0
65	Wnt/Î²-catenin signaling via Axin2 is required for myogenesis and, together with YAP/Taz and Tead1, active in IIa/IIx muscle fibers. Journal of Cell Science, 2016, 129, e1.2-e1.2.	2.0	0