Anthony S Don

List of Publications by Year
in descending order

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61 papers	2,731 citations	172207 29 h-index	214527 47 g-index
67 all docs	67 docs citations	67 times ranked	4499 citing authors

#	Article	IF	Citations
1	Lipidome changes in alcoholâ€related brain damage. Journal of Neurochemistry, 2022, 160, 271-282.	2.1	4
2	Multi-omics of a pre-clinical model of diabetic cardiomyopathy reveals increased fatty acid supply impacts mitochondrial metabolic selectivity. Journal of Molecular and Cellular Cardiology, 2022, 164, 92-109.	0.9	4
3	Deep proteomic profiling unveils arylsulfatase A as a non-alcoholic steatohepatitis inducible hepatokine and regulator of glycemic control. Nature Communications, 2022, 13, 1259.	5.8	11
4	Defective Lysosomal Lipid Catabolism as a Common Pathogenic Mechanism for Dementia. NeuroMolecular Medicine, 2021, 23, 1-24.	1.8	9
5	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. Journal of Cell Biology, 2021, 220, .	2.3	100
6	Sphingosine kinase 2 is essential for remyelination following cuprizone intoxication. Glia, 2021, 69, 2863-2881.	2.5	12
7	Exposure to Systemic Immunosuppressive Ultraviolet Radiation Alters T Cell Recirculation through Sphingosine-1-Phosphate. Journal of Immunology, 2021, 207, 2278-2287.	0.4	5
8	Ceramide Regulates Anti-Tumor Mechanisms of Erianin in Androgen-Sensitive and Castration-Resistant Prostate Cancers. Frontiers in Oncology, 2021, 11, 738078.	1.3	12
9	Sphingosine 1â€phosphate but not Fingolimod protects neurons against excitotoxic cell death by inducing neurotrophic gene expression in astrocytes. Journal of Neurochemistry, 2020, 153, 173-188.	2.1	23
10	Regulation of hepatic insulin signaling and glucose homeostasis by sphingosine kinase 2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24434-24442.	3.3	29
11	A Novel Function of Sphingosine Kinase 2 in the Metabolism of Sphinga-4,14-Diene Lipids. Metabolites, 2020, 10, 236.	1.3	17
12	Altered lipid metabolic homeostasis in the pathogenesis of Alzheimerâ€™s disease. , 2020, , 469-504.		5
13	Human DECR1 is an androgen-repressed survival factor that regulates PUFA oxidation to protect prostate tumor cells from ferroptosis. ELife, 2020, 9, .	2.8	104
14	Sphingosine Kinase 2 Potentiates Amyloid Deposition but Protects against Hippocampal Volume Loss and Demyelination in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2019, 39, 9645-9659.	1.7	22
15	High FA2H and UGT8 transcript levels predict hydroxylated hexosylceramide accumulation in lung adenocarcinoma. Journal of Lipid Research, 2019, 60, 1776-1786.	2.0	17
16	Age-Dependent Changes to Sphingolipid Balance in the Human Hippocampus are Gender-Specific and May Sensitize to Neurodegeneration. Journal of Alzheimer's Disease, 2018, 63, 503-514.	1.2	39
17	Attenuation of mechanical pain hypersensitivity by treatment with Peptide5, a connexin-43 mimetic peptide, involves inhibition of NLRP3 inflammasome in nerve-injured mice. Experimental Neurology, 2018, 300, 1-12.	2.0	96
18	Uncoupling N-acetylaspartate from brain pathology: implications for Canavan disease gene therapy. Acta Neuropathologica, 2018, 135, 95-113.	3.9	38

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19	Deletion of sphingosine kinase 1 inhibits liver tumorigenesis in diethylnitrosamine-treated mice. Oncotarget, 2018, 9, 15635-15649.	0.8	19
20	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. Nature Communications, 2018, 9, 3165.	5.8	93
21	Contextual fear conditioning is enhanced in mice lacking functional sphingosine kinase 2. Behavioural Brain Research, 2017, 333, 9-16.	1.2	13
22	A Phosphorylatable Sphingosine Analog Induces Airway Smooth Muscle Cytostasis and Reverses Airway Hyperresponsiveness in Experimental Asthma. Frontiers in Pharmacology, 2017, 8, 78.	1.6	7
23	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1828-1839.	1.2	66
24	Increased sphingosine 1â€phosphate mediates inflammation and fibrosis in tubular injury in diabetic nephropathy. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 56-66.	0.9	48
25	Loss of ceramide synthase 2 activity, necessary for myelin biosynthesis, precedes tau pathology in the cortical pathogenesis of Alzheimer's disease. Neurobiology of Aging, 2016, 43, 89-100.	1.5	68
26	Deletion of sphingosine kinase 1 ameliorates hepatic steatosis in diet-induced obese mice: Role of PPARÎ³. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 138-147.	1.2	41
27	Assaying Ceramide Synthase Activity In Vitro and in Living Cells Using Liquid Chromatography-Mass Spectrometry. Methods in Molecular Biology, 2016, 1376, 11-22.	0.4	1
28	Activation of protein phosphatase 2A in FLT3+ acute myeloid leukemia cells enhances the cytotoxicity of FLT3 tyrosine kinase inhibitors. Oncotarget, 2016, 7, 47465-47478.	0.8	39
29	Fluorescent Assays for Ceramide Synthase Activity. Methods in Molecular Biology, 2016, 1376, 23-33.	0.4	2
30	Synthesis and biological evaluation of analogs of AAL(S) for use as ceramide synthase 1 inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 11593-11596.	1.5	7
31	A Threeâ€Step Assay for Ceramide Synthase Activity Using a Fluorescent Substrate and HPLC. Lipids, 2015, 50, 101-109.	0.7	8
32	Treatment with a sphingosine analog after the inception of house dust mite-induced airway inflammation alleviates key features of experimental asthma. Respiratory Research, 2015, 16, 7.	1.4	11
33	A selective ATP-competitive sphingosine kinase inhibitor demonstrates anti-cancer properties. Oncotarget, 2015, 6, 7065-7083.	0.8	62
34	Altered lipid levels provide evidence for myelin dysfunction in multiple system atrophy. Acta Neuropathologica Communications, 2014, 2, 150.	2.4	62
35	Re-Configuration of Sphingolipid Metabolism by Oncogenic Transformation. Biomolecules, 2014, 4, 315-353.	1.8	36
36	Loss of the neuroprotective factor Sphingosine 1-phosphate early in Alzheimerâ€™s disease pathogenesis. Acta Neuropathologica Communications, 2014, 2, 9.	2.4	138

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37	The E3 ubiquitin ligase midline 1 promotes allergen and rhinovirus-induced asthma by inhibiting protein phosphatase 2A activity. Nature Medicine, 2013, 19, 232-237.	15.2	127
38	Loss of sphingosine kinase 1 predisposes to the onset of diabetes via promoting pancreatic Î²â€cell death in dietâ€induced obese mice. FASEB Journal, 2013, 27, 4294-4304.	0.2	69
39	A Metabolic Shift Favoring Sphingosine 1-Phosphate at the Expense of Ceramide Controls Glioblastoma Angiogenesis. Journal of Biological Chemistry, 2013, 288, 37355-37364.	1.6	90
40	ABCA8 stimulates sphingomyelin production in oligodendrocytes. Biochemical Journal, 2013, 452, 401-410.	1.7	40
41	Increased Apolipoprotein D Dimer Formation in Alzheimer's Disease Hippocampus is Associated with Lipid Conjugated Diene Levels. Journal of Alzheimer's Disease, 2013, 35, 475-486.	1.2	22
42	Abstract 2038: Unraveling the mechanism of action: drugs that activate the tumor suppressor 2A .. , 2013, , .		0
43	A fluorescent assay for ceramide synthase activity. Journal of Lipid Research, 2012, 53, 1701-1707.	2.0	29
44	MMSAT: Automated Quantification of Metabolites in Selected Reaction Monitoring Experiments. Analytical Chemistry, 2012, 84, 470-474.	3.2	23
45	Disparate In Vivo Efficacy of FTY720 in Xenograft Models of Philadelphia Positive and Negative B-lineage Acute Lymphoblastic Leukemia. PLoS ONE, 2012, 7, e36429.	1.1	22
46	Noninvasive Imaging of Cell Death Using an Hsp90 Ligand. Journal of the American Chemical Society, 2011, 133, 2832-2835.	6.6	56
47	The Development Of House Dust Mite Induced Allergic Airways Disease Is Regulated By A Novel E3 Ubiquitin Ligase-Dependent Deactivation Of A Protein Phosphatase. , 2011, , .		0
48	A Novel E3 Ubiquitin Ligase Links Rhinovirus Infection To Exacerbation Of Asthma. , 2011, , .		0
49	Mass and relative elution time profiling: two-dimensional analysis of sphingolipids in Alzheimer's disease brains. Biochemical Journal, 2011, 438, 165-175.	1.7	45
50	Phagocytosis of IgGâ€Coated Polystyrene Beads by Macrophages Induces and Requires High Membrane Order. Traffic, 2011, 12, 1730-1743.	1.3	35
51	Abstract 5287: Non-invasive imaging of tumor cell death using a Hsp90 ligand. , 2011, , .		2
52	Elimination of a Hydroxyl Group in FTY720 Dramatically Improves the Phosphorylation Rate. Molecular Pharmacology, 2010, 78, 685-692.	1.0	14
53	A lipid binding domain in sphingosine kinase 2. Biochemical and Biophysical Research Communications, 2009, 380, 87-92.	1.0	43
54	A fluorescent plate reader assay for ceramide kinase. Analytical Biochemistry, 2008, 375, 265-271.	1.1	21

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55	Modulating tone: the overture of S1P receptor immunotherapeutics. Immunological Reviews, 2008, 223, 221-235.	2.8	79
56	Essential Requirement for Sphingosine Kinase 2 in a Sphingolipid Apoptosis Pathway Activated by FTY720 Analogues. Journal of Biological Chemistry, 2007, 282, 15833-15842.	1.6	79
57	Essential Requirement for Sphingosine Kinase 2 in a Sphingolipid Apoptosis Pathway Activated by FTY720. FASEB Journal, 2007, 21, A604.	0.2	0
58	Enhancement of capillary leakage and restoration of lymphocyte egress by a chiral S1P1 antagonist in vivo. , 2006, 2, 434-441.		365
59	Mechanism of Selectivity of an Angiogenesis Inhibitor From Screening a Genome-Wide Set of Saccharomyces cerevisiae Deletion Strains. Journal of the National Cancer Institute, 2005, 97, 1539-1547.	3.0	34
60	Mitochondria as cancer drug targets. Trends in Molecular Medicine, 2004, 10, 372-378.	3.5	120
61	A peptide trivalent arsenical inhibits tumor angiogenesis by perturbing mitochondrial function in angiogenic endothelial cells. Cancer Cell, 2003, 3, 497-509.	7.7	145