

Thomas N Seyfried

List of Publications by Year in descending order

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154
papers

9,741
citations

31976

53
h-index

42399

92
g-index

157
all docs

157
docs citations

157
times ranked

11145
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Origin of Cancer Metastasis. <i>Critical Reviews in Oncogenesis</i> , 2013, 18, 43-73.	0.4	797
2	Cancer as a metabolic disease. <i>Nutrition and Metabolism</i> , 2010, 7, 7.	3.0	494
3	Meal frequency and timing in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16647-16653.	7.1	413
4	Cancer as a metabolic disease: implications for novel therapeutics. <i>Carcinogenesis</i> , 2014, 35, 515-527.	2.8	375
5	Stem cells act through multiple mechanisms to benefit mice with neurodegenerative metabolic disease. <i>Nature Medicine</i> , 2007, 13, 439-447.	30.7	293
6	Itaconic Acid Is a Mammalian Metabolite Induced during Macrophage Activation. <i>Journal of the American Chemical Society</i> , 2011, 133, 16386-16389.	13.7	277
7	Cardiolipin and electron transport chain abnormalities in mouse brain tumor mitochondria: lipidomic evidence supporting the Warburg theory of cancer. <i>Journal of Lipid Research</i> , 2008, 49, 2545-2556.	4.2	239
8	Targeting energy metabolism in brain cancer: review and hypothesis. <i>Nutrition and Metabolism</i> , 2005, 2, 30.	3.0	195
9	GD3 ganglioside is a glycolipid characteristic of immature neuroectodermal cells. <i>Journal of Neuroimmunology</i> , 1984, 7, 179-192.	2.3	193
10	A Review of Mouse Mutants as Genetic Models of Epilepsy. <i>Epilepsia</i> , 1985, 26, 143-150.	5.1	171
11	Caloric Restriction Inhibits Seizure Susceptibility in Epileptic EL Mice by Reducing Blood Glucose. <i>Epilepsia</i> , 2002, 42, 1371-1378.	5.1	162
12	Metabolic therapy: A new paradigm for managing malignant brain cancer. <i>Cancer Letters</i> , 2015, 356, 289-300.	7.2	161
13	The Ketogenic Diet and Hyperbaric Oxygen Therapy Prolong Survival in Mice with Systemic Metastatic Cancer. <i>PLoS ONE</i> , 2013, 8, e65522.	2.5	160
14	Perspectives on the metabolic management of epilepsy through dietary reduction of glucose and elevation of ketone bodies. <i>Journal of Neurochemistry</i> , 2003, 86, 529-537.	3.9	151
15	Antiangiogenic and Proapoptotic Effects of Dietary Restriction on Experimental Mouse and Human Brain Tumors. <i>Clinical Cancer Research</i> , 2004, 10, 5622-5629.	7.0	149
16	Cancer as a mitochondrial metabolic disease. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 43.	3.7	141
17	Glucose-dependent de Novo Lipogenesis in B Lymphocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 7011-7024.	3.4	138
18	Lipidomic analysis and electron transport chain activities in C57BL/6J mouse brain mitochondria. <i>Journal of Neurochemistry</i> , 2008, 106, 299-312.	3.9	128

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19	Pericyte deficiencies lead to aberrant tumor vascularization in the brain of the NC2 null mouse. <i>Developmental Biology</i> , 2010, 344, 1035-1046.	2.0	126
20	Glycolipid and ganglioside metabolism imbalances in Huntington's disease. <i>Neurobiology of Disease</i> , 2007, 27, 265-277.	4.4	120
21	Metabolic management of brain cancer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 577-594.	1.0	119
22	CEREBRAL, CEREBELLAR, AND BRAIN STEM GANGLIOSIDES IN MICE SUSCEPTIBLE TO AUDIOGENIC SEIZURES. <i>Journal of Neurochemistry</i> , 1978, 31, 21-27.	3.9	113
23	Oxygenation Prevents Sudden Death in Seizure-prone Mice. <i>Epilepsia</i> , 2004, 45, 993-996.	5.1	110
24	Out of Warburg effect: An effective cancer treatment targeting the tumor specific metabolism and dysregulated pH. <i>Seminars in Cancer Biology</i> , 2017, 43, 134-138.	9.6	108
25	Glutamine targeting inhibits systemic metastasis in the VM3 murine tumor model. <i>International Journal of Cancer</i> , 2010, 127, 2478-2485.	5.1	97
26	Ganglioside distribution in murine neural tumors. <i>Molecular and Chemical Neuropathology</i> , 1992, 17, 147-167.	1.0	96
27	Differential effects of energy stress on AMPK phosphorylation and apoptosis in experimental brain tumor and normal brain. <i>Molecular Cancer</i> , 2008, 7, 37.	19.2	86
28	Differential Cellular Enrichment of Gangliosides in the Mouse Cerebellum: Analysis Using Neurological Mutants. <i>Journal of Neurochemistry</i> , 1982, 38, 551-559.	3.9	85
29	Therapeutic benefit of combining calorie-restricted ketogenic diet and glutamine targeting in late-stage experimental glioblastoma. <i>Communications Biology</i> , 2019, 2, 200.	4.4	83
30	Metastatic cancer cells with macrophage properties: Evidence from a new murine tumor model. <i>International Journal of Cancer</i> , 2008, 123, 73-84.	5.1	81
31	Mitochondrial Substrate-Level Phosphorylation as Energy Source for Glioblastoma: Review and Hypothesis. <i>ASN Neuro</i> , 2018, 10, 175909141881826.	2.7	80
32	A Single Intravenous rAAV Injection as Late as P20 Achieves Efficacious and Sustained CNS Gene Therapy in Canavan Mice. <i>Molecular Therapy</i> , 2013, 21, 2136-2147.	8.2	77
33	The glucose ketone index calculator: a simple tool to monitor therapeutic efficacy for metabolic management of brain cancer. <i>Nutrition and Metabolism</i> , 2015, 12, 12.	3.0	75
34	Akt-Dependent Proapoptotic Effects of Dietary Restriction on Late-Stage Management of a Phosphatase and Tensin Homologue/Tuberous Sclerosis Complex 2-deficient Mouse Astrocytoma. <i>Clinical Cancer Research</i> , 2008, 14, 7751-7762.	7.0	72
35	Therapeutic Response in Feline Sandhoff Disease Despite Immunity to Intracranial Gene Therapy. <i>Molecular Therapy</i> , 2013, 21, 1306-1315.	8.2	71
36	AAV-Mediated Gene Delivery in Adult GM1-Gangliosidosis Mice Corrects Lysosomal Storage in CNS and Improves Survival. <i>PLoS ONE</i> , 2010, 5, e13468.	2.5	70

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37	Enhanced Aspartate Release from Hippocampal Slices of Epileptic (EL) Mice. <i>Journal of Neurochemistry</i> , 1991, 56, 1007-1011.	3.9	69
38	N-butyldeoxygalactonojirimycin reduces neonatal brain ganglioside content in a mouse model of GM1 gangliosidosis. <i>Journal of Neurochemistry</i> , 2004, 89, 645-653.	3.9	68
39	Management of Glioblastoma Multiforme in a Patient Treated With Ketogenic Metabolic Therapy and Modified Standard of Care: A 24-Month Follow-Up. <i>Frontiers in Nutrition</i> , 2018, 5, 20.	3.7	67
40	Press-pulse: a novel therapeutic strategy for the metabolic management of cancer. <i>Nutrition and Metabolism</i> , 2017, 14, 19.	3.0	66
41	Mapping of two genes that influence susceptibility to audiogenic seizures in crosses of C57BL/6J and DBA/2J mice. <i>Behavior Genetics</i> , 1990, 20, 307-323.	2.1	65
42	Influence of Caloric Restriction on Constitutive Expression of NF- κ B in an Experimental Mouse Astrocytoma. <i>PLoS ONE</i> , 2011, 6, e18085.	2.5	65
43	On the Origin of ATP Synthesis in Cancer. <i>IScience</i> , 2020, 23, 101761.	4.1	65
44	Environmental Risk Factors for Multifactorial Epilepsy in EL Mice. <i>Epilepsia</i> , 1999, 40, 1697-1707.	5.1	62
45	Up-regulation of NG2 proteoglycan and interferon-induced transmembrane proteins 1 and 3 in mouse astrocytoma: A membrane proteomics approach. <i>Cancer Letters</i> , 2008, 263, 243-252.	7.2	62
46	Dynamic simulation of cardiolipin remodeling: greasing the wheels for an interpretative approach to lipidomics. <i>Journal of Lipid Research</i> , 2010, 51, 2153-2170.	4.2	62
47	GENETIC ANALYSIS OF AUDIOGENIC SEIZURE SUSCEPTIBILITY IN C57BL/6J x DBA/2J RECOMBINANT INBRED STRAINS OF MICE. <i>Genetics</i> , 1980, 94, 701-718.	2.9	62
48	Cellular Distribution of Gangliosides in the Developing Mouse Cerebellum: Analysis Using the Staggerer Mutant. <i>Journal of Neurochemistry</i> , 1984, 43, 1152-1162.	3.9	60
49	A novel pre-clinical in vivo mouse model for malignant brain tumor growth and invasion. <i>Journal of Neuro-Oncology</i> , 2010, 99, 165-176.	2.9	60
50	Hippocampal neurons and glia in epileptic EL mice. <i>Journal of Neurocytology</i> , 2002, 31, 681-692.	1.5	58
51	Improvement in motor and exploratory behavior in Rett syndrome mice with restricted ketogenic and standard diets. <i>Epilepsy and Behavior</i> , 2009, 15, 133-141.	1.7	58
52	Influence of a ketogenic diet, fish-oil, and calorie restriction on plasma metabolites and lipids in C57BL/6J mice. <i>Nutrition and Metabolism</i> , 2014, 11, 23.	3.0	58
53	Is the restricted ketogenic diet a viable alternative to the standard of care for managing malignant brain cancer?. <i>Epilepsy Research</i> , 2012, 100, 310-326.	1.6	56
54	Hypothesis: Are Neoplastic Macrophages/Microglia Present in Glioblastoma Multiforme?. <i>ASN Neuro</i> , 2011, 3, AN20110011.	2.7	54

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55	Bis(monoacylglycero)phosphate: a secondary storage lipid in the gangliosidoses. <i>Journal of Lipid Research</i> , 2015, 56, 1005-1006.	4.2	54
56	Effects of Ketogenic metabolic therapy on patients with breast cancer: A randomized controlled clinical trial. <i>Clinical Nutrition</i> , 2021, 40, 751-758.	5.0	53
57	Environmental stimuli shape microglial plasticity in glioma. <i>ELife</i> , 2017, 6, .	6.0	51
58	Perspectives on Brain Tumor Formation Involving Macrophages, Glia, and Neural Stem. <i>Perspectives in Biology and Medicine</i> , 2001, 44, 263-282.	0.5	50
59	Perspectives on the mesenchymal origin of metastatic cancer. <i>Cancer and Metastasis Reviews</i> , 2010, 29, 695-707.	5.9	50
60	Immunocytochemical localization of GD3 ganglioside to astrocytes in murine cerebellar mutants. <i>Brain Research</i> , 1986, 374, 260-269.	2.2	49
61	Cerebellar gangliosides and phospholipids in mutant mice with ataxia and epilepsy: the Tottering/Leaner syndrome. <i>Brain Research</i> , 1981, 216, 429-436.	2.2	48
62	<i>In Vitro</i> Growth Environment Produces Lipidomic and Electron Transport Chain Abnormalities in Mitochondria from Non-Tumorigenic Astrocytes and Brain Tumours. <i>ASN Neuro</i> , 2009, 1, AN20090011.	2.7	48
63	Thematic Review Series: Sphingolipids. Ganglioside GM3 suppresses the proangiogenic effects of vascular endothelial growth factor and ganglioside GD1a. <i>Journal of Lipid Research</i> , 2008, 49, 929-938.	4.2	48
64	Comparative Analysis of Brain Lipids in Mice, Cats, and Humans with Sandhoff Disease. <i>Lipids</i> , 2009, 44, 197-205.	1.7	47
65	Targeting energy metabolism in brain cancer with calorically restricted ketogenic diets. <i>Epilepsia</i> , 2008, 49, 114-116.	5.1	45
66	Differentiating N-linked glycan structural isomers in metastatic and nonmetastatic tumor cells using sequential mass spectrometry. <i>Glycobiology</i> , 2008, 18, 353-366.	2.5	45
67	Genetic variability for regional brain gangliosides in five strains of young mice. <i>Biochemical Genetics</i> , 1979, 17, 43-55.	1.7	44
68	N-butyldeoxygalactonojirimycin reduces brain ganglioside and GM2 content in neonatal Sandhoff disease mice. <i>Neurochemistry International</i> , 2008, 52, 1125-1133.	3.8	44
69	Ganglioside Composition of Normal and Mutant Mouse Embryos. <i>Journal of Neurochemistry</i> , 1989, 52, 460-466.	3.9	43
70	Does the existing standard of care increase glioblastoma energy metabolism?. <i>Lancet Oncology</i> , The, 2010, 11, 811-813.	10.7	43
71	Filipin recognizes both GM1 and cholesterol in GM1 gangliosidosis mouse brain. <i>Journal of Lipid Research</i> , 2011, 52, 1345-1351.	4.2	43
72	Does a ketogenic diet have beneficial effects on quality of life, physical activity or biomarkers in patients with breast cancer: a randomized controlled clinical trial. <i>Nutrition Journal</i> , 2020, 19, 87.	3.4	42

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73	Biochemical Correlates of Epilepsy in the El Mouse: Analysis of Glial Fibrillary Acidic Protein and Gangliosides. <i>Journal of Neurochemistry</i> , 1992, 58, 752-760.	3.9	39
74	Ganglioside abnormalities associated with failed neural differentiation in a T-locus mutant mouse embryo. <i>Developmental Biology</i> , 1987, 123, 286-291.	2.0	36
75	Behavioral seizure correlates in animal models of epilepsy: A road map for assay selection, data interpretation, and the search for causal mechanisms. <i>Epilepsy and Behavior</i> , 2006, 8, 5-38.	1.7	36
76	Cerebellar lipid differences between R6/1 transgenic mice and humans with Huntington's disease. <i>Journal of Neurochemistry</i> , 2010, 115, 748-758.	3.9	36
77	Ultrastructural characterization of the Mitochondria-associated membranes abnormalities in human astrocytomas: Functional and therapeutics implications. <i>Ultrastructural Pathology</i> , 2017, 41, 234-244.	0.9	36
78	GENETIC LINKAGE BETWEEN THE AH LOCUS AND A MAJOR GENE THAT INHIBITS SUSCEPTIBILITY TO AUDIOGENIC SEIZURES IN MICE. <i>Genetics</i> , 1981, 99, 117-126.	2.9	36
79	Genetic Association Between Ca ²⁺ -ATPase Activity and Audiogenic Seizures in Mice. <i>Journal of Neurochemistry</i> , 1984, 42, 1771-1774.	3.9	35
80	Influence of caloric restriction on motor behavior, longevity, and brain lipid composition in Sandhoff disease mice. <i>Journal of Neuroscience Research</i> , 2006, 83, 1028-1038.	2.9	35
81	The role of metabolic therapy in treating glioblastoma multiforme. , 2015, 6, 61.		35
82	Consideration of Ketogenic Metabolic Therapy as a Complementary or Alternative Approach for Managing Breast Cancer. <i>Frontiers in Nutrition</i> , 2020, 7, 21.	3.7	35
83	Heterosis for brain myelin content in mice. <i>Biochemical Genetics</i> , 1980, 18, 1229-1238.	1.7	33
84	Ganglioside GM3 Is Antiangiogenic in Malignant Brain Cancer. <i>Journal of Oncology</i> , 2010, 2010, 1-8.	1.3	33
85	Provocative Question: Should Ketogenic Metabolic Therapy Become the Standard of Care for Glioblastoma?. <i>Neurochemical Research</i> , 2019, 44, 2392-2404.	3.3	33
86	Inheritance of Lysosomal Acid β -Galactosidase Activity and Gangliosides in Crosses of DBA/2J and Knockout Mice. <i>Biochemical Genetics</i> , 2004, 42, 241-257.	1.7	32
87	Brain Mitochondrial Lipid Abnormalities in Mice Susceptible to Spontaneous Gliomas. <i>Lipids</i> , 2008, 43, 951-959.	1.7	32
88	Intraventricular Sialidase Administration Enhances GM1 Ganglioside Expression and Is Partially Neuroprotective in a Mouse Model of Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0143351.	2.5	32
89	Kindling Susceptibility and Genetic Seizure Predisposition in Inbred Mice. <i>Epilepsia</i> , 1991, 32, 22-26.	5.1	31
90	Calcium ATPase Activities in Synaptic Plasma Membranes of Seizure-Prone Mice. <i>Journal of Neurochemistry</i> , 1986, 46, 1370-1375.	3.9	29

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91	Enhanced Aspartate Release Related to Epilepsy in (EL) Mice. Journal of Neurochemistry, 2002, 63, 592-595.	3.9	28
92	Inhibition of Glycosphingolipid Biosynthesis Does Not Impair Growth or Morphogenesis of the Postimplantation Mouse Embryo. Journal of Neurochemistry, 2002, 70, 871-882.	3.9	28
93	Ceruloplasmin gene defect associated with epilepsy in EL mice. Nature Genetics, 1994, 6, 426-431.	21.4	27
94	Absence of pathogenic mitochondrial DNA mutations in mouse brain tumors. BMC Cancer, 2005, 5, 102.	2.6	27
95	Influence of methotrexate and cisplatin on tumor progression and survival in the VM mouse model of systemic metastatic cancer. International Journal of Cancer, 2010, 126, 65-72.	5.1	27
96	Genetic heterogeneity for the development of audiogenic seizures in mice. Brain Research, 1983, 271, 325-329.	2.2	26
97	Expression of Mouse Sialic Acid on Gangliosides of a Human Glioma Grown as a Xenograft in SCID Mice. Journal of Neurochemistry, 2002, 73, 254-259.	3.9	26
98	Retinal Gangliosides in RCS Mutant Rats. Journal of Neurochemistry, 1982, 39, 277-279.	3.9	25
99	Gene-linked shift in ganglioside distribution influences growth and vascularity in a mouse astrocytoma. Journal of Neurochemistry, 2006, 98, 1973-1984.	3.9	25
100	Genes differentially expressed in the kindled mouse brain. Molecular Brain Research, 2001, 96, 94-102.	2.3	24
101	Mycoplasma infection and hypoxia initiate succinate accumulation and release in the VM-M3 cancer cells. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 975-983.	1.0	24
102	Genomic imprinting and audiogenic seizures in mice. Behavior Genetics, 1997, 27, 465-475.	2.1	23
103	Influence of Host Cell Infiltration on the Glycolipid Content of Mouse Brain Tumors. Journal of Neurochemistry, 1996, 66, 2026-2033.	3.9	23
104	Neurochemical, morphological, and neurophysiological abnormalities in retinas of Sandhoff and GM1 gangliosidosis mice. Journal of Neurochemistry, 2007, 101, 1294-1302.	3.9	23
105	Restricted ketogenic diet enhances the therapeutic action of <i>N</i> -butyldeoxynojirimycin towards brain GM2 accumulation in adult Sandhoff disease mice. Journal of Neurochemistry, 2010, 113, 1525-1535.	3.9	23
106	Environmental Influences on Epilepsy Gene Mapping in El Mice. Journal of Neurogenetics, 1998, 12, 67-86.	1.4	22
107	The EL mouse: A natural model of autism and epilepsy. Epilepsia, 2011, 52, 347-357.	5.1	21
108	Bis(monoacylglycero)phosphate as a Macrophage Enriched Phospholipid. Lipids, 2015, 50, 907-912.	1.7	21

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109	Influence of Serum and Hypoxia on Incorporation of [¹⁴ C]-Glucose or [¹⁴ C]-Glutamine into Lipids and Lactate in Murine Glioblastoma Cells. <i>Lipids</i> , 2015, 50, 1167-1184.	1.7	21
110	Can the Mitochondrial Metabolic Theory Explain Better the Origin and Management of Cancer than Can the Somatic Mutation Theory?. <i>Metabolites</i> , 2021, 11, 572.	2.9	21
111	Ethylendioxy-PIP2 Oxalate Reduces Ganglioside Storage in Juvenile Sandhoff Disease Mice. <i>Neurochemical Research</i> , 2013, 38, 866-875.	3.3	18
112	Caprylic (Octanoic) Acid as a Potential Fatty Acid Chemotherapeutic for Glioblastoma. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 159, 102142.	2.2	17
113	Gene expression in the epileptic (EL) mouse hippocampus. <i>Neurobiology of Disease</i> , 2021, 147, 105152.	4.4	17
114	Genetic Study of Cationic ATPase Activities and Audiogenic Seizure Susceptibility in Recombinant Inbred and Congenic Strains of Mice. <i>Journal of Neurochemistry</i> , 1984, 42, 529-533.	3.9	16
115	Influence of Audiogenic Seizures on Synaptic Facilitation in Mouse Hippocampal Slices Is Mediated by N-Methyl-d-Aspartate Receptor. <i>Epilepsia</i> , 1993, 34, 979-984.	5.1	16
116	Synaptic vesicle glutamate uptake in epileptic (EL) mice. <i>Neurochemistry International</i> , 1997, 31, 581-585.	3.8	15
117	Glucose reduces the anticonvulsant effects of the ketogenic diet in EL mice. <i>Epilepsy Research</i> , 2014, 108, 1137-1144.	1.6	15
118	Metabolic therapy and bioenergetic analysis: The missing piece of the puzzle. <i>Molecular Metabolism</i> , 2021, 54, 101389.	6.5	15
119	Influence of growth environment on the ganglioside composition of an experimental mouse brain tumor. <i>Molecular and Chemical Neuropathology</i> , 1994, 21, 273-285.	1.0	14
120	A Mathematical Model for the Determination of Steady-State Cardiolipin Remodeling Mechanisms Using Lipidomic Data. <i>PLoS ONE</i> , 2011, 6, e21170.	2.5	14
121	Ketogenic Metabolic Therapy, Without Chemo or Radiation, for the Long-Term Management of IDH1-Mutant Glioblastoma: An 80-Month Follow-Up Case Report. <i>Frontiers in Nutrition</i> , 2021, 8, 682243.	3.7	13
122	Ketone Strong: Emerging evidence for a therapeutic role of ketone bodies in neurological and neurodegenerative diseases. <i>Journal of Lipid Research</i> , 2014, 55, 1815-1817.	4.2	12
123	Nontoxic Targeting of Energy Metabolism in Preclinical VM-M3 Experimental Glioblastoma. <i>Frontiers in Nutrition</i> , 2018, 5, 91.	3.7	12
124	Proline Oxidation Supports Mitochondrial ATP Production When Complex I Is Inhibited. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5111.	4.1	12
125	Five-day water-only fasting decreased metabolic syndrome risk factors and increased antiaging biomarkers without toxicity in a clinical trial of normal-weight individuals. <i>Clinical and Translational Medicine</i> , 2021, 11, e502.	4.0	11
126	Chemical mutagenesis of a GPCR ligand: Detoxifying 'inflammo-attraction' to direct therapeutic stem cell migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31177-31188.	7.1	10

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127	Ganglioside GD3 biosynthesis in normal and mutant mouse embryos. <i>Biochemical Genetics</i> , 1991, 29, 627-638.	1.7	9
128	The influence of ImuVert, a biological response modifier, on the growth and ganglioside composition of murine neural tumors. <i>Molecular and Chemical Neuropathology</i> , 1993, 20, 163-172.	1.0	9
129	Brain Lipid Analysis in Mice with Rett Syndrome. <i>Neurochemical Research</i> , 2009, 34, 1057-1065.	3.3	9
130	GM1-gangliosidosis in American black bears: Clinical, pathological, biochemical and molecular genetic characterization. <i>Molecular Genetics and Metabolism</i> , 2014, 111, 513-521.	1.1	8
131	Myelin Abnormalities in the Optic and Sciatic Nerves in Mice With GM1-Gangliosidosis. <i>ASN Neuro</i> , 2015, 7, 175909141556891.	2.7	8
132	Inheritance of brain weight in two strains of mice. <i>Journal of Heredity</i> , 1977, 68, 337-338.	2.4	7
133	Ganglioside GM1 Elevation in DBA/2 Mouse Embryos. <i>Developmental Neuroscience</i> , 1990, 12, 126-132.	2.0	7
134	Lipid Composition of Whole Brain and Cerebellum in Hurler Syndrome (MPS IH) Mice. <i>Neurochemical Research</i> , 2011, 36, 1669-1676.	3.3	7
135	Quantification of metastatic load in a syngeneic murine model of metastasis. <i>Cancer Letters</i> , 2017, 405, 56-62.	7.2	7
136	Intravenous delivery of adeno-associated viral gene therapy in feline GM1 gangliosidosis. <i>Brain</i> , 2022, 145, 655-669.	7.6	7
137	Ganglioside Storage Diseases: On the Road to Management. <i>Advances in Neurobiology</i> , 2014, 9, 485-499.	1.8	7
138	Ganglioside composition of a mouse brain tumor grown in the severe combined immunodeficiency (SCID) mouse. <i>Molecular and Chemical Neuropathology</i> , 1998, 33, 27-37.	1.0	6
139	Nonallelism for the Audiogenic Seizure Prone (ASP1) and the Aryl Hydrocarbon Receptor (AHR) Loci in Mice. <i>Journal of Neurogenetics</i> , 1998, 12, 191-203.	1.4	6
140	Light- and Melanin Nanoparticle-Induced Cytotoxicity in Metastatic Cancer Cells. <i>Pharmaceutics</i> , 2021, 13, 965.	4.5	6
141	Novel ketone body therapy for managing Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017, 141, 162-164.	3.9	5
142	Glycosphingolipid Biosynthesis May Not Be Necessary for Vertebrate Brain Development. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 215-218.	3.8	4
143	Autosomal Dominant Inheritance of Brain Cardiolipin Fatty Acid Abnormality in VM/DK Mice: Association with Hypoxic-Induced Cognitive Insensitivity. <i>Lipids</i> , 2014, 49, 113-117.	1.7	4
144	Can the Mitochondrial Metabolic Theory Explain Better the Origin and Management of Cancer than Can the Somatic Mutation Theory?. <i>Metabolites</i> , 2021, 11, .	2.9	4

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145	The total and mitochondrial lipidome of <i>Artemia franciscana</i> encysted embryos. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1727-1735.	2.4	3
146	Perturbation of the yeast mitochondrial lipidome and associated membrane proteins following heterologous expression of <i>Artemia</i> -ANT. <i>Scientific Reports</i> , 2018, 8, 5915.	3.3	3
147	The ketogenic diet and hyperbaric oxygen therapy work synergistically to slow tumor growth and increase survival time in mice with systemic metastatic cancer. <i>FASEB Journal</i> , 2013, 27, 863.2.	0.5	1
148	Influence of Dietary Intake on Plasma Metabolites and Lipids in C57BL/6J Mice. <i>FASEB Journal</i> , 2013, 27, 794.2.	0.5	1
149	Biography of Dr. Robert K. Yu. <i>Neurochemical Research</i> , 2011, 36, 1575-1577.	3.3	0
150	Supplemental ketone metabolic therapy slows tumor growth and increases survival time in mice with metastatic cancer. <i>FASEB Journal</i> , 2013, 27, 863.1.	0.5	0
151	Ketosis and hyperbaric oxygen metabolic therapy elicits potent anti-cancer effects in vitro and in vivo. <i>FASEB Journal</i> , 2015, 29, 725.13.	0.5	0
152	The Glucose Ketone Index Calculator: A Simple Tool to Assess Therapeutic Efficacy for Metabolic Management of Brain Cancer. <i>FASEB Journal</i> , 2015, 29, 897.15.	0.5	0
153	Influence of serum and hypoxia on endogenously synthesized lipids and lactate from radiolabeled glucose or glutamine in murine glioblastoma cells. <i>FASEB Journal</i> , 2015, 29, 568.16.	0.5	0
154	Neutral glycolipid abnormalities in at-complex mutant mouse embryo. <i>Biochemical Genetics</i> , 1992, 30, 557-565.	1.7	0