

K Michael Gibson

List of Publications by Year in descending order

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188
papers

7,294
citations

36303

51
h-index

79698

73
g-index

192
all docs

192
docs citations

192
times ranked

6736
citing authors

#	ARTICLE	IF	CITATIONS
1	$\hat{\Gamma}^3$ -Hydroxybutyric Acid. <i>New England Journal of Medicine</i> , 2005, 352, 2721-2732.	27.0	285
2	Clinical spectrum of succinic semialdehyde dehydrogenase deficiency. <i>Neurology</i> , 2003, 60, 1413-1417.	1.1	191
3	From the street to the brain: neurobiology of the recreational drug $\hat{\Gamma}^3$ -hydroxybutyric acid. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 29-34.	8.7	175
4	Clinical Use of CSF Neurotransmitters. <i>Pediatric Neurology</i> , 2015, 53, 277-286.	2.1	164
5	Gamma-aminobutyric acid (GABA) metabolism in mammalian neural and nonneural tissues. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1995, 112, 247-263.	0.6	163
6	Pharmacologic rescue of lethal seizures in mice deficient in succinate semialdehyde dehydrogenase. <i>Nature Genetics</i> , 2001, 29, 212-216.	21.4	149
7	The Clinical Phenotype of Succinic Semialdehyde Dehydrogenase Deficiency (4-Hydroxybutyric) Tj ETQq1 1 0.784314 rgBT / Overlock 10 2.1 134	2.1	134
8	4-Hydroxybutyric Acid and the Clinical Phenotype of Succinic Semialdehyde Dehydrogenase Deficiency, an Inborn Error of GABA Metabolism. <i>Neuropediatrics</i> , 1998, 29, 14-22.	0.6	128
9	Magnetic resonance spectroscopy of neurotransmitters in human brain. <i>Annals of Neurology</i> , 2003, 54, S25-S31.	5.3	126
10	Stable-Isotope Dilution Analysis of D- and L-2-Hydroxyglutaric Acid: Application to the Detection and Prenatal Diagnosis of D- and L-2-Hydroxyglutaric Acidemias. <i>Pediatric Research</i> , 1993, 34, 277-280.	2.3	117
11	Mutational spectrum of the succinate semialdehyde dehydrogenase (ALDH5A1) gene and functional analysis of 27 novel disease-causing mutations in patients with SSADH deficiency. <i>Human Mutation</i> , 2003, 22, 442-450.	2.5	117
12	3-hydroxy-3-methylglutaryl-coenzyme A lyase deficiency: review of 18 reported patients. <i>European Journal of Pediatrics</i> , 1988, 148, 180-186.	2.7	115
13	Succinic semialdehyde dehydrogenase deficiency in children and adults. <i>Annals of Neurology</i> , 2003, 54, S73-S80.	5.3	108
14	Significant behavioral disturbances in succinic semialdehyde dehydrogenase (SSADH) deficiency (Gamma-Hydroxybutyric aciduria). <i>Biological Psychiatry</i> , 2003, 54, 763-768.	1.3	103
15	Succinic semialdehyde dehydrogenase deficiency: Lessons from mice and men. <i>Journal of Inherited Metabolic Disease</i> , 2009, 32, 343-352.	3.6	97
16	New Rhodamine Nitroxide Based Fluorescent Probes for Intracellular Hydroxyl Radical Identification in Living Cells. <i>Organic Letters</i> , 2012, 14, 50-53.	4.6	96
17	2-Methylbutyryl-Coenzyme A Dehydrogenase Deficiency: A New Inborn Error of L-Isoleucine Metabolism. <i>Pediatric Research</i> , 2000, 47, 830-833.	2.3	92
18	Stable isotope dilution analysis of 4-hydroxybutyric acid: An accurate method for quantification in physiological fluids and the prenatal diagnosis of 4-hydroxybutyric aciduria. <i>Biological Mass Spectrometry</i> , 1990, 19, 89-93.	0.5	89

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19	Decreased GABA-A binding on FMZ-PET in succinic semialdehyde dehydrogenase deficiency. <i>Neurology</i> , 2009, 73, 423-429.	1.1	88
20	Organization of the mevalonate kinase (MVK) gene and identification of novel mutations causing mevalonic aciduria and hyperimmunoglobulinaemia D and periodic fever syndrome. <i>European Journal of Human Genetics</i> , 2001, 9, 253-259.	2.8	85
21	??-Hydroxybutyric Acid. <i>Toxicological Reviews</i> , 2004, 23, 3-20.	2.5	84
22	Therapeutic Intervention in Mice Deficient for Succinate Semialdehyde Dehydrogenase (β^3 -Hydroxybutyric Aciduria). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 180-187.	2.5	81
23	Inherited disorders of neurotransmitters in children and adults. <i>Clinical Biochemistry</i> , 2005, 38, 1051-1058.	1.9	80
24	Succinic semialdehyde dehydrogenase deficiency: an inborn error of gamma-aminobutyric acid metabolism. <i>Clinica Chimica Acta</i> , 1983, 133, 33-42.	1.1	73
25	Two Exon-Skipping Mutations as the Molecular Basis of Succinic Semialdehyde Dehydrogenase Deficiency (4-Hydroxybutyric Aciduria). <i>American Journal of Human Genetics</i> , 1998, 63, 399-408.	6.2	73
26	3-Methylcrotonyl-coenzyme A carboxylase deficiency in Amish/Mennonite adults identified by detection of increased acylcarnitines in blood spots of their children. <i>Journal of Pediatrics</i> , 1998, 132, 519-523.	1.8	72
27	Molecular Cloning of the Mature NAD ⁺ -dependent Succinic Semialdehyde Dehydrogenase from Rat and Human. <i>Journal of Biological Chemistry</i> , 1995, 270, 461-467.	3.4	70
28	Succinic Semialdehyde Dehydrogenase: Biochemicalâ€“Molecularâ€“Clinical Disease Mechanisms, Redox Regulation, and Functional Significance. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 691-718.	5.4	68
29	Lysosomal Targeting with Stable and Sensitive Fluorescent Probes (Superior LysoProbes): Applications for Lysosome Labeling and Tracking during Apoptosis. <i>Scientific Reports</i> , 2015, 5, 9004.	3.3	68
30	Defects in γ -GABA metabolism affect selective autophagy pathways and are alleviated by mTOR inhibition. <i>EMBO Molecular Medicine</i> , 2014, 6, 551-566.	6.9	67
31	Multiple syndromes of 3-methylglutaconic aciduria. <i>Pediatric Neurology</i> , 1993, 9, 120-123.	2.1	66
32	Highly Stable and Sensitive Fluorescent Probes (LysoProbes) for Lysosomal Labeling and Tracking. <i>Scientific Reports</i> , 2015, 5, 8576.	3.3	66
33	Absence seizures in succinic semialdehyde dehydrogenase deficient mice: a model of juvenile absence epilepsy. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 79, 547-553.	2.9	65
34	Clinical aspects of the disorders of GABA metabolism in children. <i>Current Opinion in Neurology</i> , 2004, 17, 107-113.	3.6	64
35	Oxidation of 4-hydroxy-2-nonenal by succinic semialdehyde dehydrogenase (ALDH5A). <i>Journal of Neurochemistry</i> , 2004, 86, 298-305.	3.9	63
36	Disorders of GABA metabolism: SSADH and GABA-transaminase deficiencies. <i>Journal of Pediatric Epilepsy</i> , 2015, 03, 217-227.	0.2	63

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37	Succinic Semialdehyde Dehydrogenase Deficiency: GABAB receptor-mediated function. <i>Brain Research</i> , 2006, 1090, 15-22.	2.2	62
38	Status epilepticus in mice deficient for succinate semialdehyde dehydrogenase: GABAA receptor-mediated mechanisms. <i>Annals of Neurology</i> , 2006, 59, 42-52.	5.3	61
39	Succinic semialdehyde dehydrogenase deficiency (SSADHD): Pathophysiological complexity and multifactorial trait associations in a rare monogenic disorder of GABA metabolism. <i>Neurochemistry International</i> , 2016, 99, 72-84.	3.8	60
40	Placental stem cell correction of murine intermediate maple syrup urine disease. <i>Hepatology</i> , 2013, 57, 1017-1023.	7.3	58
41	Phenotypic heterogeneity in the syndromes of 3-methylglutaconic aciduria. <i>Journal of Pediatrics</i> , 1991, 118, 885-890.	1.8	57
42	A new case of GABA transaminase deficiency facilitated by proton MR spectroscopy. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 85-90.	3.6	57
43	Hematological abnormalities and cholestatic liver disease in two patients with mevalonate kinase deficiency. <i>American Journal of Medical Genetics Part A</i> , 1998, 78, 408-412.	2.4	56
44	The effects of a ketogenic diet on ATP concentrations and the number of hippocampal mitochondria in <i>Aldh5a1</i> ^{+/+} mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 208-212.	2.4	56
45	Epilepsy in succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. <i>Brain and Development</i> , 2011, 33, 796-805.	1.1	56
46	Oral D-galactose supplementation in PGM1-CDG. <i>Genetics in Medicine</i> , 2017, 19, 1226-1235.	2.4	55
47	Seizure evolution and amino acid imbalances in murine succinate semialdehyde dehydrogenase (SSADH) deficiency. <i>Neurobiology of Disease</i> , 2004, 16, 556-562.	4.4	54
48	A ketogenic diet rescues the murine succinic semialdehyde dehydrogenase deficient phenotype. <i>Experimental Neurology</i> , 2008, 210, 449-457.	4.1	54
49	Neuropsychiatric Morbidity in Adolescent and Adult Succinic Semialdehyde Dehydrogenase Deficiency Patients. <i>CNS Spectrums</i> , 2008, 13, 598-605.	1.2	54
50	Focal neurometabolic alterations in mice deficient for succinate semialdehyde dehydrogenase. <i>Journal of Neurochemistry</i> , 2002, 81, 71-79.	3.9	53
51	Thirty years beyond discovery—Clinical trials in succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 401-410.	3.6	53
52	Evidence for treatable inborn errors of metabolism in a cohort of 187 Greek patients with autism spectrum disorder (ASD). <i>Frontiers in Human Neuroscience</i> , 2013, 7, 858.	2.0	53
53	4-Hydroxybutyric aciduria: Application of a fluorometric assay to the determination of succinic semialdehyde dehydrogenase activity in extracts of cultured human lymphoblasts. <i>Clinica Chimica Acta</i> , 1991, 196, 219-221.	1.1	52
54	Succinic semialdehyde dehydrogenase from mammalian brain: Subunit analysis using polyclonal antiserum. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 1493-1499.	0.5	52

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55	Altered cerebral glucose and acetate metabolism in succinic semialdehyde dehydrogenase-deficient mice: evidence for glial dysfunction and reduced glutamate/glutamine cycling. <i>Journal of Neurochemistry</i> , 2007, 103, 2077-2091.	3.9	52
56	3-Methylglutaconic aciduria associated with Pearson syndrome and respiratory chain defects. <i>Journal of Pediatrics</i> , 1992, 121, 940-942.	1.8	50
57	Vigabatrin therapy in six patients with succinic semialdehyde dehydrogenase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 1995, 18, 143-146.	3.6	50
58	3-Hydroxy-3-methylglutaryl coenzyme A reductase activity in cultured fibroblasts from patients with mevalonate kinase deficiency: differential response to lipid supplied by fetal bovine serum in tissue culture medium. <i>Journal of Lipid Research</i> , 1990, 31, 515-21.	4.2	50
59	Structure of human succinic semialdehyde dehydrogenase gene: identification of promoter region and alternatively processed isoforms. <i>Molecular Genetics and Metabolism</i> , 2002, 76, 348-362.	1.1	49
60	Phenotype of GABA-transaminase deficiency. <i>Neurology</i> , 2017, 88, 1919-1924.	1.1	49
61	3-hydroxy-3-methylglutaryl-coenzyme a lyase deficiency: Report of five new patients. <i>Journal of Inherited Metabolic Disease</i> , 1988, 11, 76-87.	3.6	48
62	Molecular characterization of methylmalonate semialdehyde dehydrogenase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2000, 23, 497-504.	3.6	48
63	Murine succinate semialdehyde dehydrogenase deficiency. <i>Annals of Neurology</i> , 2003, 54, S81-S90.	5.3	48
64	Inherited disorders of gamma-aminobutyric acid metabolism and advances in <i>ALDH5A1</i> mutation identification. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 611-617.	2.1	44
65	Natural history of succinic semialdehyde dehydrogenase deficiency through adulthood. <i>Neurology</i> , 2015, 85, 861-865.	1.1	44
66	Metabolism of β -hydroxybutyrate to d-2-hydroxyglutarate in mammals: further evidence for d-2-hydroxyglutarate transhydrogenase. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 353-358.	3.4	43
67	Improved Amino Acid, Bioenergetic Metabolite and Neurotransmitter Profiles following Human Amnion Epithelial Cell Transplant in Intermediate Maple Syrup Urine Disease Mice. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 132-138.	1.1	42
68	Monitoring of 4-hydroxybutyric acid levels in body fluids during vigabatrin treatment in succinic semialdehyde dehydrogenase deficiency. <i>Annals of Neurology</i> , 2003, 54, 686-689.	5.3	39
69	Enzymatic and metabolic evidence for a region specific mitochondrial dysfunction in brains of murine succinic semialdehyde dehydrogenase deficiency (<i>Aldh5a1</i> ^{-/-} mice). <i>Neurochemistry International</i> , 2007, 50, 653-659.	3.8	39
70	Therapeutic concepts in succinate semialdehyde dehydrogenase (SSADH; ALDH5a1) deficiency (β -hydroxybutyric aciduria). Hypotheses evolved from 25 years of patient evaluation, studies in <i>Aldh5a1</i> ^{-/-} mice and characterization of β -hydroxybutyric acid pharmacology. <i>Journal of Inherited Metabolic Disease</i> , 2007, 30, 279-294.	3.6	39
71	Pharmacologic inhibition of L-tyrosine degradation ameliorates cerebral dopamine deficiency in murine phenylketonuria (PKU). <i>Journal of Inherited Metabolic Disease</i> , 2014, 37, 735-743.	3.6	38
72	Fatal cardiomyopathy associated with 3-hydroxy-3-methylglutaryl-CoA lyase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 1994, 17, 291-294.	3.6	37

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73	Neurotransmitter alterations in embryonic succinate semialdehyde dehydrogenase (SSADH) deficiency suggest a heightened excitatory state during development. <i>BMC Developmental Biology</i> , 2008, 8, 112.	2.1	37
74	Oxidation of [U-14C]Succinic Semialdehyde in Cultured Human Lymphoblasts: Measurement of Residual Succinic Semialdehyde Dehydrogenase Activity in 11 Patients with 4-Hydroxybutyric Aciduria. <i>Pediatric Research</i> , 1988, 24, 455-460.	2.3	36
75	Relationship between Kinetic Properties of Mutant Enzyme and Biochemical and Clinical Responsiveness to Biotin in Holocarboxylase Synthetase Deficiency. <i>Pediatric Research</i> , 1999, 46, 671-671.	2.3	35
76	Seizures in a boy with succinic semialdehyde dehydrogenase deficiency treated with vigabatrin (³ -vinyl-GABA). <i>Journal of Inherited Metabolic Disease</i> , 1996, 19, 313-318.	3.6	34
77	VIGABATRIN THERAPY IN PATIENT WITH SUCCINIC SEMIALDEHYDE DEHYDROGENASE DEFICIENCY. <i>Lancet, The</i> , 1989, 334, 1105-1106.	13.7	32
78	Photosensitive absence epilepsy with myoclonias and heterozygosity for succinic semialdehyde dehydrogenase (SSADH) deficiency. <i>Clinical Neurophysiology</i> , 2004, 115, 1417-1422.	1.5	32
79	Increased guanidino species in murine and human succinate semialdehyde dehydrogenase (SSADH) deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 494-498.	3.8	31
80	Evidence for oxidative stress in tissues derived from succinate semialdehyde dehydrogenase-deficient mice. <i>Journal of Inherited Metabolic Disease</i> , 2007, 30, 800-810.	3.6	31
81	Fetal demise with Smith-Lemli-Opitz syndrome confirmed by tissue sterol analysis and the absence of measurable 7-dehydrocholesterol 7-reductase activity in chorionic villi. , 2000, 20, 238-240.		30
82	3-METHYLGLUTACONIC ACIDURIA IN THE IRAQI JEWISH "OPTIC ATROPHY PLUS" (COSTEFF) SYNDROME. <i>Developmental Medicine and Child Neurology</i> , 1994, 36, 167-172.	2.1	30
83	Hepatocyte Transplantation Improves Phenotype and Extends Survival in a Murine Model of Intermediate Maple Syrup Urine Disease. <i>Molecular Therapy</i> , 2009, 17, 1266-1273.	8.2	30
84	Comparative genomics of aldehyde dehydrogenase 5a1 (succinate semialdehyde dehydrogenase) and accumulation of gamma-hydroxybutyrate associated with its deficiency. <i>Human Genomics</i> , 2009, 3, 106.	2.9	30
85	Taurine trial in succinic semialdehyde dehydrogenase deficiency and elevated CNS GABA. <i>Neurology</i> , 2014, 82, 940-944.	1.1	30
86	Succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism: an update on pharmacological and enzyme-replacement therapeutic strategies. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 699-708.	3.6	30
87	Murine succinate semialdehyde dehydrogenase (SSADH) deficiency, a heritable disorder of GABA metabolism with epileptic phenotype. <i>IUBMB Life</i> , 2005, 57, 639-644.	3.4	29
88	Quantitation of gamma-hydroxybutyric acid in dried blood spots: Feasibility assessment for newborn screening of succinic semialdehyde dehydrogenase (SSADH) deficiency. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 255-259.	1.1	29
89	Determination of the GABA analogue succinic semialdehyde in urine and cerebrospinal fluid by dinitrophenylhydrazine derivatization and liquid chromatography-tandem mass spectrometry: Application to SSADH deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2005, 28, 913-920.	3.6	28
90	Mevalonate Kinase in Lysates of Cultured Human Fibroblasts and Lymphoblasts: Kinetic Properties, Assay Conditions, Carrier Detection and Measurement of Residual Activity in a Patient with Mevalonic Aciduria. <i>Enzyme</i> , 1989, 41, 47-55.	0.7	27

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91	A novel, quantitative assay for homocarnosine in cerebrospinal fluid using stable-isotope dilution liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 830, 196-200.	2.3	27
92	Neuropathology in Succinic Semialdehyde Dehydrogenase Deficiency. <i>Pediatric Neurology</i> , 2010, 42, 255-258.	2.1	27
93	Synthesis and Characterization of Novel Indole Derivatives Reveal Improved Therapeutic Agents for Treatment of Ischemia/Reperfusion (I/R) Injury. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6763-6767.	6.4	27
94	Age-related phenotype and biomarker changes in <i>SSADH</i> deficiency. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 114-120.	3.7	27
95	Enzymatic and Immunologic Identification of Succinic Semialdehyde Dehydrogenase in Rat and Human Neural and Nonneural Tissues. <i>Journal of Neurochemistry</i> , 2002, 65, 851-855.	3.9	26
96	Liver-Directed Adenoviral Gene Transfer in Murine Succinate Semialdehyde Dehydrogenase Deficiency. <i>Molecular Therapy</i> , 2004, 9, 527-539.	8.2	25
97	Expression profiling reveals multiple myelin alterations in murine succinate semialdehyde dehydrogenase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2006, 29, 143-156.	3.6	25
98	Hepatocyte transplantation (HTx) corrects selected neurometabolic abnormalities in murine intermediate maple syrup urine disease (iMSUD). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 1004-1010.	3.8	25
99	Succinic semialdehyde dehydrogenase deficiency associated with combined 4-hydroxybutyric and dicarboxylic acidurias: Potential for clinical misdiagnosis based on urinary organic acid profiling. <i>Journal of Pediatrics</i> , 1989, 114, 607-610.	1.8	23
100	3-Hydroxy-3-methylglutaryl-CoA lyase deficiency as detected by radiochemical assay in cell extracts by thin-layer chromatography, and identification of three new cases. <i>Clinical Chemistry</i> , 1990, 36, 297-303.	3.2	23
101	Torin 1 partially corrects vigabatrin-induced mitochondrial increase in mouse. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 699-706.	3.7	23
102	mTOR inhibitors rescue premature lethality and attenuate dysregulation of GABAergic/glutamatergic transcription in murine succinate semialdehyde dehydrogenase deficiency (SSADHD), a disorder of GABA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 877-886.	3.6	23
103	MRI Findings in Succinic Semialdehyde Dehydrogenase Deficiency. <i>Neuropediatrics</i> , 2000, 31, 45-46.	0.6	22
104	Delayed-onset dystonia associated with 3-oxothiolase deficiency. <i>Movement Disorders</i> , 2001, 16, 372-375.	3.9	22
105	Incidence and Geographic Distribution of Succinic Semialdehyde Dehydrogenase (SSADH) Deficiency. <i>JIMD Reports</i> , 2016, 34, 111-115.	1.5	22
106	Pre- and postnatal diagnosis of succinic semialdehyde dehydrogenase deficiency using enzyme and metabolite assays. <i>Journal of Inherited Metabolic Disease</i> , 1994, 17, 732-737.	3.6	20
107	Development of a Stable-Isotope Dilution Assay for $\hat{3}$ -Aminobutyric Acid (GABA) Transaminase in Isolated Leukocytes and Evidence That GABA and $\hat{2}$ -Alanine Transaminases Are Identical. <i>Clinical Chemistry</i> , 2001, 47, 525-531.	3.2	20
108	A new class of $\hat{2}$ -carboline alkaloid-peptide conjugates with therapeutic efficacy in acute limb ischemia/reperfusion injury. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1453-1462.	5.5	20

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109	Correlation of blood biomarkers with age informs pathomechanisms in succinic semialdehyde dehydrogenase deficiency (SSADHD), a disorder of GABA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 795-800.	3.6	20
110	Variable clinical presentation in three patients with 3-methylglutaconyl-coenzyme A hydratase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 1998, 21, 631-638.	3.6	19
111	Lipid abnormalities in succinate semialdehyde dehydrogenase (Aldh5a1) deficient mouse brain provide additional evidence for myelin alterations. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 556-562.	3.8	18
112	SSADH deficiency leads to elevated extracellular GABA levels and increased GABAergic neurotransmission in the mouse cerebral cortex. <i>Journal of Inherited Metabolic Disease</i> , 2008, 31, 662-668.	3.6	18
113	Circadian distribution of generalized tonic-clonic seizures associated with murine succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. <i>Epilepsy and Behavior</i> , 2008, 13, 290-294.	1.7	18
114	Further evaluation of Vigabatrin therapy in 4-hydroxybutyric aciduria. <i>European Journal of Pediatrics</i> , 1992, 151, 466-466.	2.7	17
115	Succinate semialdehyde dehydrogenase deficiency does not down-regulate $\hat{3}$ -hydroxybutyric acid binding sites in the mouse brain. <i>Molecular Genetics and Metabolism</i> , 2006, 88, 86-89.	1.1	17
116	Non-physiological amino acid (NPAA) therapy targeting brain phenylalanine reduction: pilot studies in PAH ^{ENU2} mice. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 513-523.	3.6	17
117	Brain-blood amino acid correlates following protein restriction in murine maple syrup urine disease. <i>Orphanet Journal of Rare Diseases</i> , 2014, 9, 73.	2.7	17
118	Biomarkers in a Taurine Trial for Succinic Semialdehyde Dehydrogenase Deficiency. <i>JIMD Reports</i> , 2015, 30, 81-87.	1.5	17
119	Plasticity of postsynaptic, but not presynaptic, GABAB receptors in SSADH deficient mice. <i>Experimental Neurology</i> , 2010, 225, 114-122.	4.1	16
120	mTOR Inhibition Mitigates Molecular and Biochemical Alterations of Vigabatrin-Induced Visual Field Toxicity in Mice. <i>Pediatric Neurology</i> , 2017, 66, 44-52.e1.	2.1	16
121	Post-mortem tissue analyses in a patient with succinic semialdehyde dehydrogenase deficiency (SSADHD). I. Metabolomic outcomes. <i>Metabolic Brain Disease</i> , 2020, 35, 601-614.	2.9	16
122	4-Hydroxybutyric aciduria in a patient without ataxia or convulsions. <i>European Journal of Pediatrics</i> , 1988, 147, 529-531.	2.7	15
123	Metabolism of [U-14C]-4-hydroxybutyric acid to intermediates of the tricarboxylic acid cycle in extracts of rat liver and kidney mitochondria. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1989, 14, 61-70.	1.6	15
124	Therapeutic Efficacy of Magnesium Valproate in Succinic Semialdehyde Dehydrogenase Deficiency. <i>JIMD Reports</i> , 2012, 8, 133-137.	1.5	15
125	Succinic Semialdehyde Dehydrogenase Deficiency: Review of the Natural History Study. <i>Journal of Child Neurology</i> , 2021, 36, 1153-1161.	1.4	15
126	Mevalonic aciduria: Family studies in mevalonate kinase deficiency, an inborn error of cholesterol biosynthesis. <i>Journal of Inherited Metabolic Disease</i> , 1987, 10, 282-285.	3.6	14

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127	Enzymatic and immunological demonstration of normal and defective succinic semialdehyde dehydrogenase activity in fetal brain, liver and kidney. <i>Journal of Inherited Metabolic Disease</i> , 1993, 16, 523-526.	3.6	14
128	Gamma-hydroxybutyric aciduria: A biochemist's education from a heritable disorder of GABA metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2005, 28, 247-265.	3.6	14
129	Emotional experience in parents of children with Zellweger spectrum disorders: A qualitative study. <i>Molecular Genetics and Metabolism Reports</i> , 2019, 19, 100459.	1.1	14
130	Novel <i>ALDH5A1</i> variants and genotype. <i>Neurology</i> , 2020, 95, e2675-e2682.	1.1	14
131	d-2-Hydroxyglutaric aciduria in three patients with proven SSADH deficiency: Genetic coincidence or a related biochemical epiphenomenon?. <i>Molecular Genetics and Metabolism</i> , 2006, 88, 53-57.	1.1	13
132	Efficacy of Vigabatrin Intervention in a Mild Phenotypic Expression of Succinic Semialdehyde Dehydrogenase Deficiency. <i>JIMD Reports</i> , 2011, 2, 119-123.	1.5	13
133	Targeted fluorescent probes for detection of oxidative stress in the mitochondria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3476-3480.	2.2	13
134	Metabolomic analyses of vigabatrin (VGB)-treated mice: GABA-transaminase inhibition significantly alters amino acid profiles in murine neural and non-neural tissues. <i>Neurochemistry International</i> , 2019, 125, 151-162.	3.8	13
135	Farnesol induces protection against murine CNS inflammatory demyelination and modifies gut microbiome. <i>Clinical Immunology</i> , 2022, 235, 108766.	3.2	13
136	Pharmacological protection of mitochondrial function mitigates acute limb ischemia/reperfusion injury. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4042-4051.	2.2	12
137	Anti-inflammatory, analgesic and antioxidant activities of novel kyotorphin-nitroxide hybrid molecules. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2005-2013.	2.2	12
138	3-Hydroxy-3-methylglutaryl-CoA lyase deficiency as detected by radiochemical assay in cell extracts by thin-layer chromatography, and identification of three new cases. <i>Clinical Chemistry</i> , 1990, 36, 297-303.	3.2	12
139	Cerebellar Atrophy in Human and Murine Succinic Semialdehyde Dehydrogenase Deficiency. <i>Journal of Child Neurology</i> , 2010, 25, 1457-1461.	1.4	11
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