

Stephan Kemp

List of Publications by Year in descending order

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106
papers

8,634
citations

71061

41
h-index

43868

91
g-index

111
all docs

111
docs citations

111
times ranked

9936
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone deacetylases (HDACs): characterization of the classical HDAC family. <i>Biochemical Journal</i> , 2003, 370, 737-749.	1.7	2,671
2	X-linked adrenoleukodystrophy (X-ALD): clinical presentation and guidelines for diagnosis, follow-up and management. <i>Orphanet Journal of Rare Diseases</i> , 2012, 7, 51.	1.2	403
3	THE CONCISE GUIDE TO PHARMACOLOGY 2017/18: Overview. <i>British Journal of Pharmacology</i> , 2017, 174, S1-S16.	2.7	269
4	ABCD1 mutations and the X-linked adrenoleukodystrophy mutation database: Role in diagnosis and clinical correlations. <i>Human Mutation</i> , 2001, 18, 499-515.	1.1	261
5	Gene redundancy and pharmacological gene therapy: Implications for X-linked adrenoleukodystrophy. <i>Nature Medicine</i> , 1998, 4, 1261-1268.	15.2	237
6	X-linked adrenoleukodystrophy: Clinical, metabolic, genetic and pathophysiological aspects. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1465-1474.	1.8	217
7	Deletion of the serine 34 codon from the major peripheral myelin protein PO gene in Charcot-Marie-Tooth disease type 1B. <i>Nature Genetics</i> , 1993, 5, 35-39.	9.4	215
8	Adrenoleukodystrophy – neuroendocrine pathogenesis and redefinition of natural history. <i>Nature Reviews Endocrinology</i> , 2016, 12, 606-615.	4.3	189
9	X-linked adrenoleukodystrophy in women: a cross-sectional cohort study. <i>Brain</i> , 2014, 137, 693-706.	3.7	182
10	Early oxidative damage underlying neurodegeneration in X-adrenoleukodystrophy. <i>Human Molecular Genetics</i> , 2008, 17, 1762-1773.	1.4	181
11	Fatty acid omega-oxidation as a rescue pathway for fatty acid oxidation disorders in humans. <i>FEBS Journal</i> , 2011, 278, 182-194.	2.2	181
12	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Transporters. <i>British Journal of Pharmacology</i> , 2019, 176, S397-S493.	2.7	166
13	X-linked adrenoleukodystrophy: genes, mutations, and phenotypes. <i>Neurochemical Research</i> , 1999, 24, 521-535.	1.6	162
14	The role of ELOVL1 in very long-chain fatty acid homeostasis and X-linked adrenoleukodystrophy. <i>EMBO Molecular Medicine</i> , 2010, 2, 90-97.	3.3	140
15	Analysis of very long-chain fatty acids using electrospray ionization mass spectrometry. <i>Molecular Genetics and Metabolism</i> , 2003, 79, 189-196.	0.5	138
16	Peroxisomes, lipid metabolism and lipotoxicity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 272-280.	1.2	135
17	A novel defect of peroxisome division due to a homozygous non-sense mutation in the <i>PEX11</i> gene. <i>Journal of Medical Genetics</i> , 2012, 49, 307-313.	1.5	127
18	X-Linked Adrenoleukodystrophy: Pathogenesis and Treatment. <i>Current Neurology and Neuroscience Reports</i> , 2014, 14, 486.	2.0	127

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19	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Transporters. British Journal of Pharmacology, 2021, 178, S412-S513.	2.7	114
20	The Natural History of Adrenal Insufficiency in X-Linked Adrenoleukodystrophy: An International Collaboration. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 118-126.	1.8	102
21	The peroxisomal ABC transporter family. Pflugers Archiv European Journal of Physiology, 2007, 453, 719-734.	1.3	95
22	Mammalian peroxisomal ABC transporters: from endogenous substrates to pathology and clinical significance. British Journal of Pharmacology, 2011, 164, 1753-1766.	2.7	93
23	Inactivation of the peroxisomal ABCD2 transporter in the mouse leads to late-onset ataxia involving mitochondria, Golgi and endoplasmic reticulum damage. Human Molecular Genetics, 2005, 14, 3565-3577.	1.4	90
24	Valproic acid induces antioxidant effects in X-linked adrenoleukodystrophy. Human Molecular Genetics, 2010, 19, 2005-2014.	1.4	90
25	Elongation of very long-chain fatty acids is enhanced in X-linked adrenoleukodystrophy. Molecular Genetics and Metabolism, 2005, 84, 144-151.	0.5	83
26	Biochemical Aspects of X-Linked Adrenoleukodystrophy. Brain Pathology, 2010, 20, 831-837.	2.1	83
27	A very long-chain acyl-CoA synthetase-deficient mouse and its relevance to X-linked adrenoleukodystrophy. Human Molecular Genetics, 2003, 12, 1145-1154.	1.4	82
28	X-linked adrenoleukodystrophy: Very long-chain fatty acid metabolism, ABC half-transporters and the complicated route to treatment. Molecular Genetics and Metabolism, 2007, 90, 268-276.	0.5	73
29	Identification of a Two Base Pair Deletion in Five Unrelated Families with Adrenoleukodystrophy: A Possible Hot Spot for Mutations. Biochemical and Biophysical Research Communications, 1994, 202, 647-653.	1.0	70
30	β -Oxidation of Very Long-chain Fatty Acids in Human Liver Microsomes. Journal of Biological Chemistry, 2006, 281, 13180-13187.	1.6	69
31	Pharmacological induction of peroxisomes in peroxisome biogenesis disorders. Annals of Neurology, 2000, 47, 286-296.	2.8	67
32	Lovastatin in X-Linked Adrenoleukodystrophy. New England Journal of Medicine, 2010, 362, 276-277.	13.9	58
33	Disease progression in women with X-linked adrenoleukodystrophy is slow. Orphanet Journal of Rare Diseases, 2019, 14, 30.	1.2	58
34	Betulinic acid induces a novel cell death pathway that depends on cardiolipin modification. Oncogene, 2016, 35, 427-437.	2.6	57
35	Connexin32 gene mutations in X-linked dominant Charcot-Marie-Tooth disease (CMTX1). Human Genetics, 1997, 99, 501-505.	1.8	55
36	Hematopoietic cell transplantation does not prevent myelopathy in X-linked adrenoleukodystrophy: a retrospective study. Journal of Inherited Metabolic Disease, 2015, 38, 359-361.	1.7	54

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37	Comparison of C26:0-carnitine and C26:0-lysophosphatidylcholine as diagnostic markers in dried blood spots from newborns and patients with adrenoleukodystrophy. <i>Molecular Genetics and Metabolism</i> , 2017, 122, 209-215.	0.5	50
38	Role of very-long-chain acyl-coenzyme A synthetase in X-linked adrenoleukodystrophy. <i>Annals of Neurology</i> , 1999, 46, 409-412.	2.8	48
39	Adrenoleukodystrophy Newborn Screening in the Netherlands (SCAN Study): The X-Factor. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 499.	1.8	47
40	The novel histone deacetylase inhibitor BL1521 inhibits proliferation and induces apoptosis in neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2004, 68, 1279-1288.	2.0	46
41	Characterization of the human β -oxidation pathway for β -hydroxyvery-long-chain fatty acids. <i>FASEB Journal</i> , 2008, 22, 2064-2071.	0.2	46
42	Progression of myelopathy in males with adrenoleukodystrophy: towards clinical trial readiness. <i>Brain</i> , 2019, 142, 334-343.	3.7	43
43	Conservation of targeting but divergence in function and quality control of peroxisomal ABC transporters: an analysis using cross-kingdom expression. <i>Biochemical Journal</i> , 2011, 436, 547-557.	1.7	41
44	Bezafibrate lowers very long-chain fatty acids in X-linked adrenoleukodystrophy fibroblasts by inhibiting fatty acid elongation. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 1137-1145.	1.7	39
45	<scp>MRI</scp> surveillance of boys with X-linked adrenoleukodystrophy identified by newborn screening: Meta-analysis and consensus guidelines. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 728-739.	1.7	39
46	Method for Measurement of Peroxisomal Very-Long-Chain Fatty Acid β -Oxidation in Human Skin Fibroblasts Using Stable-Isotope-Labeled Tetracosanoic Acid. <i>Clinical Chemistry</i> , 2004, 50, 1824-1826.	1.5	38
47	Gene expression profiling in response to the histone deacetylase inhibitor BL1521 in neuroblastoma. <i>Experimental Cell Research</i> , 2005, 309, 451-467.	1.2	38
48	Evidence for two enzymatic pathways for β -oxidation of docosanoic acid in rat liver microsomes. <i>Journal of Lipid Research</i> , 2005, 46, 1001-1008.	2.0	37
49	No evidence for β -skewed inactivation of the X-chromosome as cause of Leber's hereditary optic neuropathy in female carriers. <i>Human Genetics</i> , 1996, 97, 500-505.	1.8	35
50	C26:0-Carnitine Is a New Biomarker for X-Linked Adrenoleukodystrophy in Mice and Man. <i>PLoS ONE</i> , 2016, 11, e0154597.	1.1	33
51	Accumulation of very long-chain fatty acids does not affect mitochondrial function in adrenoleukodystrophy protein deficiency. <i>Human Molecular Genetics</i> , 2005, 14, 1127-1137.	1.4	32
52	Comparison of the Diagnostic Performance of C26:0-Lysophosphatidylcholine and Very Long-Chain Fatty Acids Analysis for Peroxisomal Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 690.	1.8	31
53	Contiguous gene deletion of ELOVL7, ERCC8 and NDUF2 in a patient with a fatal multisystem disorder. <i>Human Molecular Genetics</i> , 2009, 18, 3365-3374.	1.4	30
54	Mouse Very Long-chain Acyl-CoA Synthetase in X-linked Adrenoleukodystrophy. <i>Journal of Biological Chemistry</i> , 2002, 277, 28765-28773.	1.6	26

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55	Bezafibrate for X-Linked Adrenoleukodystrophy. <i>PLoS ONE</i> , 2012, 7, e41013.	1.1	26
56	Enzymatic characterization of ELOVL1, a key enzyme in very long-chain fatty acid synthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 231-237.	1.2	26
57	Lipid-induced endoplasmic reticulum stress in X-linked adrenoleukodystrophy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2255-2265.	1.8	26
58	The brain penetrant PPAR δ agonist leriglitzzone restores multiple altered pathways in models of X-linked adrenoleukodystrophy. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	24
59	Structure and Function of the ABCD1 Variant Database: 20 Years, 940 Pathogenic Variants, and 3400 Cases of Adrenoleukodystrophy. <i>Cells</i> , 2022, 11, 283.	1.8	23
60	Intrathecal Adeno-Associated Viral Vector-Mediated Gene Delivery for Adrenomyeloneuropathy. <i>Human Gene Therapy</i> , 2019, 30, 544-555.	1.4	21
61	Methionine metabolism and phenotypic variability in X-linked adrenoleukodystrophy. <i>Neurology</i> , 2006, 66, 442-443.	1.5	20
62	Translational Metabolism: A multidisciplinary approach towards precision diagnosis of inborn errors of metabolism in the omics era. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 197-208.	1.7	20
63	Plasma NFL and GFAP as biomarkers of spinal cord degeneration in adrenoleukodystrophy. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 2127-2136.	1.7	19
64	Vorinostat in the acute neuroinflammatory form of X-linked adrenoleukodystrophy. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 639-652.	1.7	19
65	The cystathionine beta-synthase variant c.844_845ins68 protects against CNS demyelination in X-linked adrenoleukodystrophy. <i>Human Mutation</i> , 2006, 27, 1063-1064.	1.1	18
66	Metabolic rerouting via SCD1 induction impacts X-linked adrenoleukodystrophy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	17
67	Cholesterol-deprivation increases mono-unsaturated very long-chain fatty acids in skin fibroblasts from patients with X-linked adrenoleukodystrophy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 105-111.	1.2	16
68	Intellectual Disability and Hemizygous <i>GPD2</i> Mutation. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 1044-1050.	0.7	16
69	Pathogenicity of novel ABCD1 variants: The need for biochemical testing in the era of advanced genetics. <i>Molecular Genetics and Metabolism</i> , 2016, 118, 123-127.	0.5	15
70	CYP4F2 affects phenotypic outcome in adrenoleukodystrophy by modulating the clearance of very long-chain fatty acids. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1861-1870.	1.8	15
71	Method for Measurement of Peroxisomal Very Long-Chain Fatty Acid Beta-Oxidation and De Novo C26:0 Synthesis Activity in Living Cells Using Stable-Isotope Labeled Docosanoic Acid. <i>Methods in Molecular Biology</i> , 2017, 1595, 45-54.	0.4	14
72	Longitudinal diffusion MRI as surrogate outcome measure for myelopathy in adrenoleukodystrophy. <i>Neurology</i> , 2019, 93, e2133-e2143.	1.5	14

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73	Multi-Omic Approach to Identify Phenotypic Modifiers Underlying Cerebral Demyelination in X-Linked Adrenoleukodystrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 520.	1.8	14
74	Molecular Biomarkers for Adrenoleukodystrophy: An Unmet Need. <i>Cells</i> , 2021, 10, 3427.	1.8	14
75	Two intronic mutations in the adrenoleukodystrophy gene. <i>Human Mutation</i> , 1995, 6, 272-273.	1.1	13
76	Mutational Analysis and the Pathogenesis of Variant X-linked Adrenoleukodystrophy Phenotypes. <i>Archives of Neurology</i> , 1999, 56, 273.	4.9	13
77	X-Linked Adrenoleukodystrophy: Molecular and Functional Analysis of the ABCD1 Gene in Argentinean Patients. <i>PLoS ONE</i> , 2012, 7, e52635.	1.1	13
78	Spinal cord atrophy as a measure of severity of myelopathy in adrenoleukodystrophy. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 852-860.	1.7	13
79	Expanding Neonatal Bloodspot Screening: A Multi-Stakeholder Perspective. <i>Frontiers in Pediatrics</i> , 2021, 9, 706394.	0.9	13
80	The gene for X-linked myotubular myopathy is located in an 8 Mb region at the border of Xq27.3 and Xq28. <i>Neuromuscular Disorders</i> , 1994, 4, 455-461.	0.3	11
81	Endocrine dysfunction in adrenoleukodystrophy. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 182, 257-267.	1.0	11
82	A novel cell model to study the function of the adrenoleukodystrophy-related protein. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 150-157.	1.0	8
83	Enzymatic diagnosis of Sjögren-Larsson syndrome using electrospray ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 451-455.	1.2	8
84	Targeting foam cell formation in inflammatory brain diseases by the histone modifier MS-275. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 2161-2177.	1.7	8
85	Invariant NKT cells in adrenoleukodystrophy patients and mice. <i>Journal of Neuroimmunology</i> , 2010, 229, 204-211.	1.1	7
86	X-linked adrenomyeloneuropathy due to a novel missense mutation in the ABCD1 start codon presenting as demyelinating neuropathy. <i>Journal of the Peripheral Nervous System</i> , 2011, 16, 353-355.	1.4	7
87	Biochemical Studies in Fibroblasts to Interpret Variants of Unknown Significance in the ABCD1 Gene. <i>Genes</i> , 2021, 12, 1930.	1.0	6
88	Evolution of adrenoleukodystrophy model systems. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 544-553.	1.7	5
89	Stability of the ABCD1 Protein with a Missense Mutation: A Novel Approach to Finding Therapeutic Compounds for X-Linked Adrenoleukodystrophy. <i>JIMD Reports</i> , 2018, 44, 23-31.	0.7	4
90	Laboratory Diagnosis of Peroxisomal Disorders in the -Omics Era and the Continued Importance of Biomarkers and Biochemical Studies. <i>FIRE Forum for International Research in Education</i> , 2018, 6, 232640981881028.	0.7	3

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91	The variability conundrum in neurometabolic degenerative diseases. <i>Molecular Genetics and Metabolism</i> , 2020, 131, 367-369.	0.5	3
92	Postural Body Sway as Surrogate Outcome for Myelopathy in Adrenoleukodystrophy. <i>Frontiers in Physiology</i> , 2020, 11, 786.	1.3	3
93	Proteasome-dependent protein quality control of the peroxisomal membrane protein Pxa1p. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183342.	1.4	3
94	iBRET Screen of the ABCD1 Peroxisomal Network and Mutation-Induced Network Perturbations. <i>Journal of Proteome Research</i> , 2021, 20, 4366-4380.	1.8	3
95	No evidence for 'skewed' inactivation of the X-chromosome as cause of Leber's hereditary optic neuropathy in female carriers. <i>Human Genetics</i> , 1996, 97, 500-505.	1.8	2
96	Peroxisome Metabolism Contributes to PIEZO2-Mediated Mechanical Allodynia. <i>Cells</i> , 2022, 11, 1842.	1.8	2
97	Pharmacological induction of peroxisomes in peroxisome biogenesis disorders. , 2000, 47, 286.		1
98	Corrigendum to "Elongation of very long-chain fatty acids is enhanced in X-linked adrenoleukodystrophy" [Mol. Genet. Metab. 84 (2005) 144-151]. <i>Molecular Genetics and Metabolism</i> , 2008, 93, 350.	0.5	0
99	Clinical utility gene card for: Adrenoleukodystrophy. <i>European Journal of Human Genetics</i> , 2012, 20, 1-3.	1.4	0
100	Functional studies on c.1347C>T, a polymorphism modulating phenotypic outcome in X-linked adrenoleukodystrophy. <i>Tijdschrift Voor Kindergeneeskunde</i> , 2013, 81, 10-10.	0.0	0
101	The X-ALD Mouse 2.0. <i>Tijdschrift Voor Kindergeneeskunde</i> , 2013, 81, 60-60.	0.0	0
102	Endoplasmic reticulum stress signaling in patients with X-linked adrenoleukodystrophy. <i>Tijdschrift Voor Kindergeneeskunde</i> , 2013, 81, 91-91.	0.0	0
103	ELOVL1 is a potential target for therapeutic intervention in X-linked adrenoleukodystrophy. <i>Tijdschrift Voor Kindergeneeskunde</i> , 2013, 81, 102-102.	0.0	0
104	Comment on the paper "Effect of statin treatment on adrenomyeloneuropathy with cerebral inflammation: A revisit". <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2401-2402.	0.6	0
105	Reply: Age-dependent penetrance among females with X-linked adrenoleukodystrophy. <i>Brain</i> , 2015, 138, e326-e326.	3.7	0
106	ABCD subfamily of peroxisomal ABC transporters (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2019, 2019, .	0.2	0