

David N Palmer

List of Publications by Year in descending order

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41
papers

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citations

236925

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42
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42
docs citations

42
times ranked

1084
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactive Image Segmentation of MARS Datasets Using Bag of Features. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 559-567.	3.7	0
2	Molecular Imaging of Pulmonary Tuberculosis in an Ex-Vivo Mouse Model Using Spectral Photon-Counting Computed Tomography and Micro-CT. IEEE Access, 2021, 9, 67201-67208.	4.2	2
3	Urine proteomics analysis of patients with neuronal ceroid lipofuscinoses. IScience, 2021, 24, 102020.	4.1	12
4	Intravitreal gene therapy protects against retinal dysfunction and degeneration in sheep with CLN5 Batten disease. Experimental Eye Research, 2021, 207, 108600.	2.6	16
5	Electroretinography data from ovine models of CLN5 and CLN6 neuronal ceroid lipofuscinoses. Data in Brief, 2021, 37, 107188.	1.0	6
6	The development of brain magnetic resonance approaches in large animal models for preclinical research. Animal Frontiers, 2019, 9, 44-51.	1.7	11
7	Computed tomography provides enhanced techniques for longitudinal monitoring of progressive intracranial volume loss associated with regional neurodegeneration in ovine neuronal ceroid lipofuscinoses. Brain and Behavior, 2018, 8, e01096.	2.2	22
8	Longitudinal In Vivo Monitoring of the CNS Demonstrates the Efficacy of Gene Therapy in a Sheep Model of CLN5 Batten Disease. Molecular Therapy, 2018, 26, 2366-2378.	8.2	54
9	An EEG Investigation of Sleep Homeostasis in Healthy and CLN5 Batten Disease Affected Sheep. Journal of Neuroscience, 2016, 36, 8238-8249.	3.6	27
10	Molecular neuropathology of the synapse in sheep with CLN5 Batten disease. Brain and Behavior, 2015, 5, e00401.	2.2	28
11	Rapid and Progressive Regional Brain Atrophy in CLN6 Batten Disease Affected Sheep Measured with Longitudinal Magnetic Resonance Imaging. PLoS ONE, 2015, 10, e0132331.	2.5	20
12	Investigation of biochemical changes of the ovine calpain 3 exon-10 polymorphism. Molecular and Cellular Probes, 2015, 29, 382-388.	2.1	0
13	Conservation of Complete Trimethylation of Lysine-43 in the Rotor Ring of c-Subunits of Metazoan Adenosine Triphosphate (ATP) Synthases*. Molecular and Cellular Proteomics, 2015, 14, 828-840.	3.8	27
14	The relevance of the storage of subunit c of ATP synthase in different forms and models of Batten disease (NCLs). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2287-2291.	3.8	30
15	Translational neurophysiology in sheep: measuring sleep and neurological dysfunction in CLN5 Batten disease affected sheep. Brain, 2015, 138, 862-874.	7.6	39
16	Recent studies of ovine neuronal ceroid lipofuscinoses from BARN, the Batten Animal Research Network. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2279-2286.	3.8	29
17	Inhibition of storage pathology in prenatal CLN5-deficient sheep neural cultures by lentiviral gene therapy. Neurobiology of Disease, 2014, 62, 543-550.	4.4	34
18	NCL disease mechanisms. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1882-1893.	3.8	96

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19	Chronic oral administration of minocycline to sheep with ovine CLN6 neuronal ceroid lipofuscinosis maintains pharmacological concentrations in the brain but does not suppress neuroinflammation or disease progression. <i>Journal of Neuroinflammation</i> , 2013, 10, 97.	7.2	19
20	Increased Zinc and Manganese in Parallel with Neurodegeneration, Synaptic Protein Changes and Activation of Akt/GSK3 Signaling in Ovine CLN6 Neuronal Ceroid Lipofuscinosis. <i>PLoS ONE</i> , 2013, 8, e58644.	2.5	28
21	The specific loss of GnRH-positive neurons from the hypothalamus of sheep with CLN6 neuronal ceroid lipofuscinosis occurs without glial activation and has only minor effects on reproduction. <i>Neurobiology of Disease</i> , 2011, 41, 614-623.	4.4	13
22	Lentiviral-Mediated Gene Transfer to the Sheep Brain: Implications for Gene Therapy in Batten Disease. <i>Human Gene Therapy</i> , 2011, 22, 1011-1020.	2.7	35
23	Neuropeptide changes and neuroactive amino acids in CSF from humans and sheep with neuronal ceroid lipofuscinoses (NCLs, Batten disease). <i>Neurochemistry International</i> , 2009, 55, 783-788.	3.8	14
24	A new large animal model of CLN5 neuronal ceroid lipofuscinosis in Borderdale sheep is caused by a nucleotide substitution at a consensus splice site (c.571 + 1G >>> A) leading to excision of exon 3. <i>Neurobiology of Disease</i> , 2008, 29, 306-315.	4.4	64
25	Location and connectivity determine GABAergic interneuron survival in the brains of South Hampshire sheep with CLN6 neuronal ceroid lipofuscinosis. <i>Neurobiology of Disease</i> , 2008, 32, 50-65.	4.4	46
26	Metabolomic investigation of CLN6 neuronal ceroid lipofuscinosis in affected South Hampshire sheep. <i>Journal of Neuroscience Research</i> , 2007, 85, 3494-3504.	2.9	24
27	A missense mutation (c.184C>T) in ovine CLN6 causes neuronal ceroid lipofuscinosis in Merino sheep whereas affected South Hampshire sheep have reduced levels of CLN6 mRNA. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 898-905.	3.8	68
28	Activation of Non-neuronal Cells within the Prenatal Developing Brain of Sheep with Neuronal Ceroid Lipofuscinosis. <i>Brain Pathology</i> , 2006, 16, 110-116.	4.1	48
29	The development and characterisation of complex ovine neuron cultures from fresh and frozen foetal neurons. <i>Journal of Neuroscience Methods</i> , 2006, 155, 98-108.	2.5	13
30	Glial activation spreads from specific cerebral foci and precedes neurodegeneration in presymptomatic ovine neuronal ceroid lipofuscinosis (CLN6). <i>Neurobiology of Disease</i> , 2005, 20, 49-63.	4.4	99
31	Defective Endoplasmic Reticulum-resident Membrane Protein CLN6 Affects Lysosomal Degradation of Endocytosed Arylsulfatase A. <i>Journal of Biological Chemistry</i> , 2004, 279, 22347-22352.	3.4	88
32	Lysine 43 Is Trimethylated in Subunit c from Bovine Mitochondrial ATP Synthase and in Storage Bodies Associated with Batten Disease. <i>Journal of Biological Chemistry</i> , 2004, 279, 21883-21887.	3.4	57
33	Enhanced expression of manganese-dependent superoxide dismutase in human and sheep CLN6 tissues. <i>Biochemical Journal</i> , 2003, 376, 369-376.	3.7	30
34	The origin of fluorescence in the neuronal ceroid lipofuscinoses (Batten disease) and neuron cultures from affected sheep for studies of neurodegeneration. <i>Archives of Gerontology and Geriatrics</i> , 2002, 34, 343-357.	3.0	26
35	Changes in GABAergic neuron distribution in situ and in neuron cultures in ovine (OCL6) Batten disease. <i>European Journal of Paediatric Neurology</i> , 2001, 5, 135-142.	1.6	32
36	Disease-Specific Pathology in Neurons Cultured from Sheep Affected with Ceroid Lipofuscinosis. <i>Molecular Genetics and Metabolism</i> , 1999, 66, 381-386.	1.1	14

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37	In Vitro Culture of Neurons from Sheep with Batten Disease. <i>Molecular Genetics and Metabolism</i> , 1999, 67, 83-88.	1.1	15
38	Storage of saposins A and D in infantile neuronal ceroid-lipofuscinosis. <i>FEBS Letters</i> , 1993, 330, 8-12.	2.8	157
39	Mitochondrial ATP synthase subunitc storage in the ceroid-lipofuscinoses (Batten disease). <i>American Journal of Medical Genetics Part A</i> , 1992, 42, 561-567.	2.4	334
40	Sheep and other animals with ceroid-lipofuscinoses: Their relevance to Batten disease. <i>American Journal of Medical Genetics Part A</i> , 1992, 42, 609-614.	2.4	69
41	Phospholipid fatty acids in brains of normal sheep and sheep with ceroid-lipofuscinosis. <i>Lipids and Lipid Metabolism</i> , 1985, 834, 159-163.	2.6	29