

Louis C Penning

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,599
citations

257450

24
h-index

206112

48
g-index

78
all docs

78
docs citations

78
times ranked

3327
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-Engineered Bile Ducts for Disease Modeling and Therapy. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 59-76.	2.1	8
2	COMMD1 Exemplifies the Power of Inbred Dogs to Dissect Genetic Causes of Rare Copper-Related Disorders. <i>Animals</i> , 2021, 11, 601.	2.3	1
3	COMMD1, a multi-potent intracellular protein involved in copper homeostasis, protein trafficking, inflammation, and cancer. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 65, 126712.	3.0	13
4	Hippo signaling pathway in companion animal diseases, an under investigated signaling cascade. <i>Veterinary Quarterly</i> , 2021, 41, 172-180.	6.7	1
5	Gene expressions of de novo hepatic lipogenesis in feline hepatic lipidosis. <i>Journal of Feline Medicine and Surgery</i> , 2020, 22, 500-505.	1.6	4
6	Large-scale Production of LGR5-positive Bipotential Human Liver Stem Cells. <i>Hepatology</i> , 2020, 72, 257-270.	7.3	89
7	Identification of potential drugs for treatment of hepatic lipidosis in cats using an in vitro feline liver organoid system. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 132-138.	1.6	20
8	Playing Jekyll and Hyde—The Dual Role of Lipids in Fatty Liver Disease. <i>Cells</i> , 2020, 9, 2244.	4.1	4
9	Large Animal Models in Regenerative Medicine and Tissue Engineering: To Do or Not to Do. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 972.	4.1	120
10	Transplantable Liver Organoids, Too Many Cell Types to Choose: a Need for Scientific Self-Organization. <i>Current Transplantation Reports</i> , 2020, 7, 18-23.	2.0	2
11	Long-Term Survival of Transplanted Autologous Canine Liver Organoids in a COMMD1-Deficient Dog Model of Metabolic Liver Disease. <i>Cells</i> , 2020, 9, 410.	4.1	36
12	Hepatitis E virus seroprevalence in pets in the Netherlands and the permissiveness of canine liver cells to the infection. <i>Irish Veterinary Journal</i> , 2020, 73, 6.	2.1	11
13	Generation of Differentiating and Long-Living Intestinal Organoids Reflecting the Cellular Diversity of Canine Intestine. <i>Cells</i> , 2020, 9, 822.	4.1	24
14	Immunohistochemical characterisation of the hepatic stem cell niche in feline hepatic lipidosis: a preliminary morphological study. <i>Journal of Feline Medicine and Surgery</i> , 2019, 21, 165-172.	1.6	1
15	Hydrogels for Liver Tissue Engineering. <i>Bioengineering</i> , 2019, 6, 59.	3.5	60
16	Preclinical models of Wilson's disease, why dogs are catchy alternatives. <i>Annals of Translational Medicine</i> , 2019, 7, S71-S71.	1.7	4
17	Towards Bioengineered Liver Stem Cell Transplantation Studies in a Preclinical Dog Model for Inherited Copper Toxicosis. <i>Bioengineering</i> , 2019, 6, 88.	3.5	3
18	Reduced FXR Target Gene Expression in Copper-Laden Livers of COMMD1-Deficient Dogs. <i>Veterinary Sciences</i> , 2019, 6, 78.	1.7	7

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19	Characterization of Endothelial and Smooth Muscle Cells From Different Canine Vessels. <i>Frontiers in Physiology</i> , 2019, 10, 101.	2.8	20
20	Association of circulating microRNAâ€122 and microRNAâ€29a with stage of fibrosis and progression of chronic hepatitis in Labrador Retrievers. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 151-157.	1.6	6
21	Growth plate expression profiling: Large and small breed dogs provide new insights in endochondral bone formation. <i>Journal of Orthopaedic Research</i> , 2018, 36, 138-148.	2.3	5
22	Immunohistochemical evaluation of the activation of hepatic progenitor cells and their niche in feline lymphocytic cholangitis. <i>Journal of Feline Medicine and Surgery</i> , 2018, 20, 30-37.	1.6	4
23	<i>DYRK1A</i> Is a Regulator of S-Phase Entry in Hepatic Progenitor Cells. <i>Stem Cells and Development</i> , 2018, 27, 133-146.	2.1	5
24	The mRNA expression of PTTG1 is a strong prognostic indicator for recurrence after hypophysectomy in dogs with corticotroph pituitary adenomas. <i>Veterinary Journal</i> , 2018, 240, 19-21.	1.7	7
25	Genome-wide based model predicting recovery from portosystemic shunting after liver shunt attenuation in dogs. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1343-1352.	1.6	8
26	Hepatocyte-like cells generated by direct reprogramming from murine somatic cells can repopulate decellularized livers. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2807-2816.	3.3	14
27	Feline biliary tree and gallbladder disease: Aetiology, diagnosis and treatment. <i>Journal of Feline Medicine and Surgery</i> , 2017, 19, 514-528.	1.6	20
28	Sensitivity and Specificity of Plasma <i>ALT</i> , <i>ALP</i> , and Bile Acids for Hepatitis in Labrador Retrievers. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 1017-1027.	1.6	30
29	Long-Term Adult Feline Liver Organoid Cultures for Disease Modeling of Hepatic Steatosis. <i>Stem Cell Reports</i> , 2017, 8, 822-830.	4.8	82
30	Gene expression patterns in the progression of canine copper-associated chronic hepatitis. <i>PLoS ONE</i> , 2017, 12, e0176826.	2.5	15
31	Aberrant hepatic lipid storage and metabolism in canine portosystemic shunts. <i>PLoS ONE</i> , 2017, 12, e0186491.	2.5	7
32	Intestinal Organoidsâ€Current and Future Applications. <i>Veterinary Sciences</i> , 2016, 3, 31.	1.7	11
33	Characterization and Comparison of Canine Multipotent Stromal Cells Derived from Liver and Bone Marrow. <i>Stem Cells and Development</i> , 2016, 25, 139-150.	2.1	18
34	Concise Review: Organoids Are a Powerful Tool for the Study of Liver Disease and Personalized Treatment Design in Humans and Animals. <i>Stem Cells Translational Medicine</i> , 2016, 5, 325-330.	3.3	63
35	The Influence of Pituitary Size on Outcome After Transsphenoidal Hypophysectomy in a Large Cohort of Dogs with Pituitary-Dependent Hypercortisolism. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 989-995.	1.6	45
36	Use of Serum Micro <i>RNA</i> s as Biomarker for Hepatobiliary Diseases in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 1816-1823.	1.6	26

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37	Reference genes for reverse transcription quantitative PCR in canine brain tissue. BMC Research Notes, 2015, 8, 761.	1.4	18
38	Expression and clinical relevance of paired box protein 7 and sex determining region Y-box 2 in canine corticotroph pituitary adenomas. Veterinary Journal, 2015, 204, 315-321.	1.7	3
39	Increased bone morphogenetic protein 7 signalling in the kidneys of dogs affected with a congenital portosystemic shunt. Veterinary Journal, 2015, 204, 226-228.	1.7	3
40	Disease Modeling and Gene Therapy of Copper Storage Disease in Canine Hepatic Organoids. Stem Cell Reports, 2015, 5, 895-907.	4.8	84
41	The Prognostic Value of Perioperative Profiles of ACTH and Cortisol for Recurrence after Transsphenoidal Hypophysectomy in Dogs with Corticotroph Adenomas. Journal of Veterinary Internal Medicine, 2015, 29, 869-876.	1.6	7
42	Aberrant expression of copper associated genes after copper accumulation in COMMD1-deficient dogs. Journal of Trace Elements in Medicine and Biology, 2015, 29, 347-353.	3.0	17
43	Canine hepacivirus and idiopathic hepatitis in dogs from a Dutch cohort. Journal of Viral Hepatitis, 2014, 21, 894-896.	2.0	9
44	New canine models of copper toxicosis: diagnosis, treatment, and genetics. Annals of the New York Academy of Sciences, 2014, 1314, 42-48.	3.8	20
45	Enhanced Wnt/ β -catenin and Notch signalling in the activated canine hepatic progenitor cell niche. BMC Veterinary Research, 2014, 10, 309.	1.9	10
46	A morphological and immunohistochemical study of the effects of prednisolone or ursodeoxycholic acid on liver histology in feline lymphocytic cholangitis. Journal of Feline Medicine and Surgery, 2014, 16, 796-804.	1.6	19
47	Expression Stability of Reference Genes for Quantitative RT-PCR of Healthy and Diseased Pituitary Tissue Samples Varies Between Humans, Mice, and Dogs. Molecular Neurobiology, 2014, 49, 893-899.	4.0	25
48	The canine hepatic progenitor cell niche: Molecular characterisation in health and disease. Veterinary Journal, 2014, 201, 345-352.	1.7	12
49	The Two Main Forms of Histiocytic Sarcoma in the Predisposed Flatcoated Retriever Dog Display Variation in Gene Expression. PLoS ONE, 2014, 9, e98258.	2.5	5
50	Potential of regenerative medicine techniques in canine hepatology. Veterinary Quarterly, 2013, 33, 207-216.	6.7	4
51	Altered Subcellular Localization of Heat Shock Protein 90 Is Associated with Impaired Expression of the Aryl Hydrocarbon Receptor Pathway in Dogs. PLoS ONE, 2013, 8, e57973.	2.5	14
52	Gene Expression Profiling of Histiocytic Sarcomas in a Canine Model: The Predisposed Flatcoated Retriever Dog. PLoS ONE, 2013, 8, e71094.	2.5	21
53	Aberrant Gene Expression in Dogs with Portosystemic Shunts. PLoS ONE, 2013, 8, e57662.	2.5	24
54	Sequence-independent VIDISCA-454 technique to discover new viruses in canine livers. Journal of Virological Methods, 2012, 185, 152-155.	2.1	11

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55	COMMD1-Deficient Dogs Accumulate Copper in Hepatocytes and Provide a Good Model for Chronic Hepatitis and Fibrosis. <i>PLoS ONE</i> , 2012, 7, e42158.	2.5	36
56	Hepatic gene expression and plasma albumin concentration related to outcome after attenuation of a congenital portosystemic shunt in dogs. <i>Veterinary Journal</i> , 2012, 191, 383-388.	1.7	9
57	Improving the analysis of quantitative PCR data in veterinary research. <i>Veterinary Journal</i> , 2012, 191, 279-281.	1.7	19
58	Copper-induced hepatitis: the COMMD1 deficient dog as a translational animal model for human chronic hepatitis. <i>Veterinary Quarterly</i> , 2011, 31, 49-60.	6.7	10
59	Leukocyte count affects expression of reference genes in canine whole blood samples. <i>BMC Research Notes</i> , 2011, 4, 36.	1.4	11
60	Characterisation of the hepatic progenitor cell compartment in normal liver and in hepatitis: An immunohistochemical comparison between dog and man. <i>Veterinary Journal</i> , 2010, 184, 308-314.	1.7	28
61	MIQE prÃ©cis: Practical implementation of minimum standard guidelines for fluorescence-based quantitative real-time PCR experiments. <i>BMC Molecular Biology</i> , 2010, 11, 74.	3.0	563
62	The Dog Liver Contains a "Side Population" of Cells with Hepatic Progenitor-Like Characteristics. <i>Stem Cells and Development</i> , 2009, 18, 343-350.	2.1	26
63	Cross-species immunohistochemical investigation of the activation of the liver progenitor cell niche in different types of liver disease. <i>Liver International</i> , 2009, 29, 1241-1252.	3.9	31
64	A GeNorm algorithm-based selection of reference genes for quantitative real-time PCR in skin biopsies of healthy dogs and dogs with atopic dermatitis. <i>Veterinary Immunology and Immunopathology</i> , 2009, 129, 115-118.	1.2	67
65	In Vitro Differentiation of Liver Progenitor Cells Derived from Healthy Dog Livers. <i>Stem Cells and Development</i> , 2009, 18, 351-358.	2.1	18
66	Primary Hepatitis in Dogs: A Retrospective Review (2002-2006). <i>Journal of Veterinary Internal Medicine</i> , 2009, 23, 72-80.	1.6	115
67	A validation of 10 feline reference genes for gene expression measurements in snap-frozen tissues. <i>Veterinary Immunology and Immunopathology</i> , 2007, 120, 212-222.	1.2	62
68	Major HGF-mediated regenerative pathways are similarly affected in human and canine cirrhosis. <i>Comparative Hepatology</i> , 2007, 6, 8.	0.9	14
69	Copper Metabolism and Oxidative Stress in Chronic Inflammatory and Cholestatic Liver Diseases in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2006, 20, 1085-1092.	1.6	63
70	Morphological characterisation of portal myofibroblasts and hepatic stellate cells in the normal dog liver. <i>Comparative Hepatology</i> , 2006, 5, 7.	0.9	34
71	Transforming growth factor beta-1 signalling in canine hepatic diseases: new models for human fibrotic liver pathologies. <i>Liver International</i> , 2006, 26, 716-725.	3.9	29
72	Development and evaluation of canine reference genes for accurate quantification of gene expression. <i>Analytical Biochemistry</i> , 2006, 356, 36-43.	2.4	218

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73	Copper Metabolism and Oxidative Stress in Chronic Inflammatory and Cholestatic Liver Diseases in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2006, 20, 1085.	1.6	28
74	PCR screening for candidate etiological agents of canine hepatitis. <i>Veterinary Microbiology</i> , 2005, 108, 49-55.	1.9	34
75	Quantitative PCR method to detect a 13-kb deletion in the <i>MURR1</i> gene associated with copper toxicosis and HIV-1 replication. <i>Mammalian Genome</i> , 2005, 16, 460-463.	2.2	10
76	Regenerative and fibrotic pathways in canine hepatic portosystemic shunt and portal vein hypoplasia, new models for clinical hepatocyte growth factor treatment. <i>Comparative Hepatology</i> , 2005, 4, 7.	0.9	22
77	Hepatitis with special reference to dogs. A review on the pathogenesis and infectious etiologies, including unpublished results of recent own studies. <i>Veterinary Quarterly</i> , 2004, 26, 107-114.	6.7	24
78	Chronic hepatitis in Doberman pinschers. A review. <i>Veterinary Quarterly</i> , 2004, 26, 98-106.	6.7	28