

# Frank G Van Steenbeek

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,076  
citations

471371

17  
h-index

454834

30  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1587  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive biomedical variant catalogue based on whole genome sequences of 582 dogs and eight wolves. <i>Animal Genetics</i> , 2019, 50, 695-704.	0.6	138
2	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.	2.0	120
3	A Chemically Defined Hydrogel for Human Liver Organoid Culture. <i>Advanced Functional Materials</i> , 2020, 30, 2000893.	7.8	97
4	Large-scale Production of LGR5-Positive Bipotential Human Liver Stem Cells. <i>Hepatology</i> , 2020, 72, 257-270.	3.6	89
5	The Menkes and Wilson disease genes counteract in copper toxicosis in Labrador retrievers: a new canine model for copper-metabolism disorders. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 25-38.	1.2	60
6	The canine era: the rise of a biomedical model. <i>Animal Genetics</i> , 2016, 47, 519-527.	0.6	44
7	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.	1.8	36
8	Dwarfism with joint laxity in Friesian horses is associated with a splice site mutation in B4GALT7. <i>BMC Genomics</i> , 2016, 17, 839.	1.2	31
9	A nonsense mutation in B3GALNT2 is concordant with hydrocephalus in Friesian horses. <i>BMC Genomics</i> , 2015, 16, 761.	1.2	29
10	Evidence of Inheritance of Intrahepatic Portosystemic Shunts in Irish Wolfhounds. <i>Journal of Veterinary Internal Medicine</i> , 2009, 23, 950-952.	0.6	25
11	Aberrant Gene Expression in Dogs with Portosystemic Shunts. <i>PLoS ONE</i> , 2013, 8, e57662.	1.1	24
12	Inherited liver shunts in dogs elucidate pathways regulating embryonic development and clinical disorders of the portal vein. <i>Mammalian Genome</i> , 2012, 23, 76-84.	1.0	23
13	A Contracted DNA Repeat in LHX3 Intron 5 Is Associated with Aberrant Splicing and Pituitary Dwarfism in German Shepherd Dogs. <i>PLoS ONE</i> , 2011, 6, e27940.	1.1	22
14	Distribution of extrahepatic congenital portosystemic shunt morphology in predisposed dog breeds. <i>BMC Veterinary Research</i> , 2012, 8, 112.	0.7	21
15	Gene Expression Profiling of Histiocytic Sarcomas in a Canine Model: The Predisposed Flatcoated Retriever Dog. <i>PLoS ONE</i> , 2013, 8, e71094.	1.1	21
16	Characterization of Endothelial and Smooth Muscle Cells From Different Canine Vessels. <i>Frontiers in Physiology</i> , 2019, 10, 101.	1.3	20
17	Prevalence and genetics of patellar luxation in Kooiker dogs. <i>Veterinary Journal</i> , 2014, 201, 333-337.	0.6	18
18	Characterization and Comparison of Canine Multipotent Stromal Cells Derived from Liver and Bone Marrow. <i>Stem Cells and Development</i> , 2016, 25, 139-150.	1.1	18

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19	Multi-omics integration identifies key upstream regulators of pathomechanisms in hypertrophic cardiomyopathy due to truncating MYBPC3 mutations. <i>Clinical Epigenetics</i> , 2021, 13, 61.	1.8	17
20	Genome-wide survey indicates involvement of loci on canine chromosomes 7 and 31 in patellar luxation in flat-coated retrievers. <i>BMC Genetics</i> , 2014, 15, 64.	2.7	16
21	Gene expression patterns in the progression of canine copper-associated chronic hepatitis. <i>PLoS ONE</i> , 2017, 12, e0176826.	1.1	15
22	Altered Subcellular Localization of Heat Shock Protein 90 Is Associated with Impaired Expression of the Aryl Hydrocarbon Receptor Pathway in Dogs. <i>PLoS ONE</i> , 2013, 8, e57973.	1.1	14
23	Aberrant Expression and Distribution of Enzymes of the Urea Cycle and Other Ammonia Metabolizing Pathways in Dogs with Congenital Portosystemic Shunts. <i>PLoS ONE</i> , 2014, 9, e100077.	1.1	14
24	Canine congenital portosystemic shunts: Disconnections dissected. <i>Veterinary Journal</i> , 2016, 211, 14-20.	0.6	12
25	Genetic assessment of captive elephant ( <i>Elephas maximus</i> ) populations in Thailand. <i>Conservation Genetics</i> , 2010, 11, 325-330.	0.8	11
26	Sequence-independent VIDISCA-454 technique to discover new viruses in canine livers. <i>Journal of Virological Methods</i> , 2012, 185, 152-155.	1.0	11
27	Intestinal Organoids—Current and Future Applications. <i>Veterinary Sciences</i> , 2016, 3, 31.	0.6	11
28	Population genetic analysis and genome-wide association study of patellar luxation in a Thai population of Pomeranian dogs. <i>Research in Veterinary Science</i> , 2017, 111, 9-13.	0.9	11
29	Evaluation and selection of microsatellite markers for an identification and parentage test of Asian elephants ( <i>Elephas maximus</i> ). <i>Conservation Genetics</i> , 2008, 9, 921-925.	0.8	10
30	Disease burden in four populations of dog and cat breeds compared to mixed-breed dogs and European shorthair cats. <i>Preventive Veterinary Medicine</i> , 2017, 140, 38-44.	0.7	10
31	Paroxysmal Dyskinesia in Border Terriers: Clinical, Epidemiological, and Genetic Investigations. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 1123-1131.	0.6	10
32	Investigation of Genetic Modifiers of Copper Toxicosis in Labrador Retrievers. <i>Life</i> , 2020, 10, 266.	1.1	10
33	Isolation and Culture of Primary Endothelial Cells from Canine Arteries and Veins. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	9
34	A knockout mutation associated with juvenile paroxysmal dyskinesia in Markiesje dogs indicates SOD1 pleiotropy. <i>Human Genetics</i> , 2021, 140, 1547-1552.	1.8	9
35	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.	0.6	8
36	Pulmonary alveolar proteinosis in a cat. <i>BMC Veterinary Research</i> , 2015, 11, 302.	0.7	7

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37	Aberrant hepatic lipid storage and metabolism in canine portosystemic shunts. PLoS ONE, 2017, 12, e0186491.	1.1	7
38	Improving the resolution of canine genome-wide association studies using genotype imputation: A study of two breeds. Animal Genetics, 2021, 52, 703-713.	0.6	5
39	The Two Main Forms of Histiocytic Sarcoma in the Predisposed Flatcoated Retriever Dog Display Variation in Gene Expression. PLoS ONE, 2014, 9, e98258.	1.1	5
40	Genetic Basis of Dilated Cardiomyopathy in Dogs and Its Potential as a Bidirectional Model. Animals, 2022, 12, 1679.	1.0	5
41	Increased bone morphogenetic protein 7 signalling in the kidneys of dogs affected with a congenital portosystemic shunt. Veterinary Journal, 2015, 204, 226-228.	0.6	3
42	Pulmonary veno-occlusive disease as a cause of severe pulmonary hypertension in a dog. Acta Veterinaria Scandinavica, 2018, 60, 78.	0.5	3
43	<scp>PET</scp> scan: measuring incidence of disease phenotypes to prioritize genetic studies in companion animals. Animal Genetics, 2018, 49, 492-495.	0.6	1
44	Quantification of the health-status of the Dutch Labrador retriever population. Preventive Veterinary Medicine, 2019, 171, 104764.	0.7	1