

Joe N Kornegay

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,082
citations

186265

28
h-index

168389

53
g-index

71
all docs

71
docs citations

71
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	The homologue of the Duchenne locus is defective in X-linked muscular dystrophy of dogs. <i>Nature</i> , 1988, 334, 154-156.	27.8	385
2	Muscular dystrophy in a litter of golden retriever dogs. <i>Muscle and Nerve</i> , 1988, 11, 1056-1064.	2.2	209
3	Analysis of Survival in a Retrospective Study of 86 Dogs with Brain Tumors. <i>Journal of Veterinary Internal Medicine</i> , 1991, 5, 219-226.	1.6	175
4	In vivo targeted repair of a point mutation in the canine dystrophin gene by a chimeric RNA/DNA oligonucleotide. <i>Nature Biotechnology</i> , 2000, 18, 615-622.	17.5	152
5	Widespread Muscle Expression of an AAV9 Human Mini-dystrophin Vector After Intravenous Injection in Neonatal Dystrophin-deficient Dogs. <i>Molecular Therapy</i> , 2010, 18, 1501-1508.	8.2	140
6	Canine models of Duchenne muscular dystrophy and their use in therapeutic strategies. <i>Mammalian Genome</i> , 2012, 23, 85-108.	2.2	140
7	Canine X-linked muscular dystrophy as an animal model of Duchenne muscular dystrophy: A review. <i>American Journal of Medical Genetics Part A</i> , 1992, 42, 352-356.	2.4	103
8	The golden retriever model of Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , 2017, 7, 9.	4.2	102
9	Fibrocartilaginous Embolism of the Spinal Cord in Dogs: Review of 36 Histologically Confirmed Cases and Retrospective Study of 26 Suspected Cases. <i>Journal of Veterinary Internal Medicine</i> , 1996, 10, 241-245.	1.6	95
10	Feline Spinal Lymphosarcoma: A Retrospective Evaluation of 23 Cats. <i>Journal of Veterinary Internal Medicine</i> , 1994, 8, 99-104.	1.6	89
11	The Paradox of Muscle Hypertrophy in Muscular Dystrophy. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2012, 23, 149-172.	1.3	85
12	Hydrodynamic Limb Vein Injection of Adeno-Associated Virus Serotype 8 Vector Carrying Canine Myostatin Propeptide Gene into Normal Dogs Enhances Muscle Growth. <i>Human Gene Therapy</i> , 2009, 20, 1-10.	2.7	82
13	MAGNETIC RESONANCE IMAGING FEATURES OF PRIMARY BRAIN TUMORS IN DOGS. <i>Veterinary Radiology and Ultrasound</i> , 1996, 37, 20-27.	0.9	80
14	MAGNETIC RESONANCE IMAGING-A GENERAL OVERVIEW OF PRINCIPLES AND EXAMPLES IN VETERINARY NEURODIAGNOSIS. <i>Veterinary Radiology and Ultrasound</i> , 1993, 34, 2-17.	0.9	70
15	Evaluating motor end-plate-targeted injections of botulinum toxin type A in a canine model. , 1998, 21, 653-655.		65
16	The cranial sartorius muscle undergoes true hypertrophy in dogs with golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2003, 13, 493-500.	0.6	62
17	Non-immunogenic utrophin gene therapy for the treatment of muscular dystrophy animal models. <i>Nature Medicine</i> , 2019, 25, 1505-1511.	30.7	59
18	Contraction force generated by tarsal joint flexion and extension in dogs with golden retriever muscular dystrophy. <i>Journal of the Neurological Sciences</i> , 1999, 166, 115-121.	0.6	58

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19	Effects of prednisone in canine muscular dystrophy. <i>Muscle and Nerve</i> , 2004, 30, 767-773.	2.2	49
20	Long-Term Systemic Myostatin Inhibition via Liver-Targeted Gene Transfer in Golden Retriever Muscular Dystrophy. <i>Human Gene Therapy</i> , 2011, 22, 1499-1509.	2.7	47
21	Characteristics of magnetic resonance imaging biomarkers in a natural history study of golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2014, 24, 178-191.	0.6	46
22	Alternative dystrophin gene transcripts in golden retriever muscular dystrophy. , 1998, 21, 991-998.		43
23	MAGNETIC RESONANCE IMAGING OF BRAIN INFARCTION IN SEVEN DOGS. <i>Veterinary Radiology and Ultrasound</i> , 1996, 37, 345-350.	0.9	39
24	Cystic Meningiomas in 2 Dogs. <i>Journal of Veterinary Internal Medicine</i> , 1996, 10, 72-75.	1.6	37
25	Sparing of the Dystrophin-Deficient Cranial Sartorius Muscle Is Associated with Classical and Novel Hypertrophy Pathways in GRMD Dogs. <i>American Journal of Pathology</i> , 2013, 183, 1411-1424.	3.8	37
26	Golden Retriever Muscular Dystrophy (GRMD): Developing and Maintaining a Colony and Physiological Functional Measurements. <i>Methods in Molecular Biology</i> , 2011, 709, 105-123.	0.9	35
27	MAGNETIC RESONANCE IMAGING OF THE NORMAL FELINE BRAIN. <i>Veterinary Radiology and Ultrasound</i> , 1995, 36, 267-275.	0.9	33
28	A computerized MRI biomarker quantification scheme for a canine model of Duchenne muscular dystrophy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 763-774.	2.8	31
29	Late-onset progressive spinocerebellar degeneration in Brittany Spaniel dogs. <i>Acta Neuropathologica</i> , 1998, 96, 97-101.	7.7	30
30	NBD delivery improves the disease phenotype of the golden retriever model of Duchenne muscular dystrophy. <i>Skeletal Muscle</i> , 2014, 4, 18.	4.2	30
31	Non-Targeted Metabolomics Analysis of Golden Retriever Muscular Dystrophy-Affected Muscles Reveals Alterations in Arginine and Proline Metabolism, and Elevations in Glutamic and Oleic Acid In Vivo. <i>Metabolites</i> , 2017, 7, 38.	2.9	27
32	Contraction tension and kinetics of the peroneus longus muscle in golden retriever muscular dystrophy. <i>Journal of the Neurological Sciences</i> , 1994, 123, 100-107.	0.6	26
33	Challenges associated with homologous directed repair using CRISPR-Cas9 and TALEN to edit the DMD genetic mutation in canine Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2020, 15, e0228072.	2.5	25
34	Dystrophin-deficient dogs with reduced myostatin have unequal muscle growth and greater joint contractures. <i>Skeletal Muscle</i> , 2016, 6, 14.	4.2	22
35	Whole genome sequencing reveals a 7 base-pair deletion in DMD exon 42 in a dog with muscular dystrophy. <i>Mammalian Genome</i> , 2017, 28, 106-113.	2.2	22
36	Gene therapies in canine models for Duchenne muscular dystrophy. <i>Human Genetics</i> , 2019, 138, 483-489.	3.8	22

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37	Eccentric contractions induce rapid isometric torque drop in dystrophin-deficient dogs. <i>Muscle and Nerve</i> , 2010, 42, 130-132.	2.2	21
38	Glucose Metabolism as a Pre-clinical Biomarker for the Golden Retriever Model of Duchenne Muscular Dystrophy. <i>Molecular Imaging and Biology</i> , 2018, 20, 780-788.	2.6	21
39	Use of the six-minute walk test to characterize golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2016, 26, 865-872.	0.6	19
40	In Vivo Canine Muscle Function Assay. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	17
41	Laminin-111 protein therapy enhances muscle regeneration and repair in the GRMD dog model of Duchenne muscular dystrophy. <i>Human Molecular Genetics</i> , 2019, 28, 2686-2695.	2.9	16
42	A novel canine model for Duchenne muscular dystrophy (DMD): single nucleotide deletion in DMD gene exon 20. <i>Skeletal Muscle</i> , 2018, 8, 16.	4.2	15
43	Genetic myostatin decrease in the golden retriever muscular dystrophy model does not significantly affect the ubiquitin proteasome system despite enhancing the severity of disease. <i>American Journal of Translational Research (discontinued)</i> , 2013, 6, 43-53.	0.0	15
44	Respiratory dysfunction in unsexed dogs with golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2014, 24, 63-73.	0.6	14
45	Maternal choline supplementation in a sheep model of first trimester binge alcohol fails to protect against brain volume reductions in peripubertal lambs. <i>Alcohol</i> , 2016, 55, 1-8.	1.7	14
46	Î±-Dystroglycan deficiency correlates with elevated serum creatine kinase and decreased muscle contraction tension in golden retriever muscular dystrophy. <i>FEBS Letters</i> , 1994, 350, 173-176.	2.8	13
47	Regulation of the calpain and ubiquitin-proteasome systems in a canine model of muscular dystrophy. <i>Muscle and Nerve</i> , 2011, 44, 553-562.	2.2	13
48	Skinned single fibers from normal and dystrophin-deficient dogs incur comparable stretch-induced force deficits. <i>Muscle and Nerve</i> , 2005, 31, 768-771.	2.2	12
49	Osteopontin is linked with AKT, FoxO1, and myostatin in skeletal muscle cells. <i>Muscle and Nerve</i> , 2017, 56, 1119-1127.	2.2	12
50	Changes in Muscle Metabolism are Associated with Phenotypic Variability in Golden Retriever Muscular Dystrophy. <i>Yale Journal of Biology and Medicine</i> , 2017, 90, 351-360.	0.2	12
51	Leucoencephalomalacia and Cerebral White Matter Vacuolar Degeneration in Two Related Labrador Retriever Puppies. <i>Journal of Veterinary Internal Medicine</i> , 1995, 9, 100-104.	1.6	11
52	Using MRI to quantify skeletal muscle pathology in Duchenne muscular dystrophy: A systematic mapping review. <i>Muscle and Nerve</i> , 2021, 64, 8-22.	2.2	10
53	A Dystrophin Exon-52 Deleted Miniature Pig Model of Duchenne Muscular Dystrophy and Evaluation of Exon Skipping. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13065.	4.1	9
54	CERVICAL VERTEBRAL FUSION AND CONCURRENT INTERVERTEBRAL DISC EXTRUSION IN FOUR DOGS. <i>Veterinary Radiology and Ultrasound</i> , 1993, 34, 336-339.	0.9	8

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55	Suspected acute myocardial infarction in a dystrophin-deficient dog. <i>Neuromuscular Disorders</i> , 2016, 26, 361-366.	0.6	8
56	Texture as an imaging biomarker for disease severity in golden retriever muscular dystrophy. <i>Muscle and Nerve</i> , 2019, 59, 380-386.	2.2	8
57	Statistical texture analysis based MRI quantification of Duchenne muscular dystrophy in a canine model. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
58	Expiratory dysfunction in young dogs with golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2020, 30, 930-937.	0.6	7
59	Short-term treatment of golden retriever muscular dystrophy (GRMD) dogs with rAAVrh74.MHCK7.GALGT2 induces muscle glycosylation and utrophin expression but has no significant effect on muscle strength. <i>PLoS ONE</i> , 2021, 16, e0248721.	2.5	7
60	Oxidative damage to urinary proteins from the GRMD dog and mdx mouse as biomarkers of dystropathology in Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2020, 15, e0240317.	2.5	6
61	Computed tomography assessment of peripubertal craniofacial morphology in a sheep model of binge alcohol drinking in the first trimester. <i>Alcohol</i> , 2015, 49, 675-689.	1.7	5
62	MRI-based quantification of Duchenne muscular dystrophy in a canine model. , 2011, , .		4
63	Muscle percentage index as a marker of disease severity in golden retriever muscular dystrophy. <i>Muscle and Nerve</i> , 2019, 60, 621-628.	2.2	3
64	Polymerase Chain Reaction (PCR) Amplification of Parvoviral DNA from the Brains of Dogs and Cats with Cerebellar Hypoplasia. <i>Journal of Veterinary Internal Medicine</i> , 2003, 17, 538.	1.6	3
65	VisR ultrasound evaluation of dystrophic muscle degeneration in a dog cross-section and comparison to histology and MRI. , 2015, , .		2
66	Creation and characterization of an immortalized canine myoblast cell line: Myok9. <i>Mammalian Genome</i> , 2020, 31, 95-109.	2.2	2
67	In vivo ARFI imaging of the mechanical properties of muscle in a dog model of Duchenne muscular dystrophy. , 2009, , .		0
68	Regulation of the calpain and ubiquitin proteasome system in a canine model of muscular dystrophy with myostatin inhibition. <i>FASEB Journal</i> , 2012, 26, 478.3.	0.5	0