

Willem Back

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/413566/publications.pdf>

Version: 2024-02-01

100
papers

2,298
citations

172457

29
h-index

289244

40
g-index

102
all docs

102
docs citations

102
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Intervertebral disc degeneration in warmblood horses: Histological and biochemical characterization. <i>Veterinary Pathology</i> , 2022, 59, 284-298.	1.7	2
2	Cervical disc width index is a reliable parameter and consistent in young growing Dutch Warmblood horses. <i>Veterinary Radiology and Ultrasound</i> , 2021, 62, 11-19.	0.9	4
3	Caudal cervical vertebral morphological variation is not associated with clinical signs in Warmblood horses. <i>Equine Veterinary Journal</i> , 2020, 52, 219-224.	1.7	17
4	Equine digital tendons show breed-specific differences in their mechanical properties that may relate to athletic ability and predisposition to injury. <i>Equine Veterinary Journal</i> , 2020, 52, 320-325.	1.7	9
5	Biochemical differences between distal limb extensor and flexor tendons among equine breeds selected for racing and sport. <i>Veterinary Journal</i> , 2020, 262, 105515.	1.7	1
6	Whole genome sequencing identified a 16 kilobase deletion on ECA13 associated with distichiasis in Friesian horses. <i>BMC Genomics</i> , 2020, 21, 848.	2.8	6
7	Improving gait classification in horses by using inertial measurement unit (IMU) generated data and machine learning. <i>Scientific Reports</i> , 2020, 10, 17785.	3.3	19
8	Biomechanical loading of the porcine femorotibial joint during maximal movements: An exploratory, ex vivo study. <i>Veterinary Journal</i> , 2020, 261, 105480.	1.7	0
9	Cervical articular process joint osteochondrosis in Warmblood foals. <i>Equine Veterinary Journal</i> , 2020, 52, 664-669.	1.7	11
10	The Genomic Makeup of Nine Horse Populations Sampled in the Netherlands. <i>Genes</i> , 2019, 10, 480.	2.4	18
11	Equine cervical intervertebral disc degeneration is associated with location and MRI features. <i>Veterinary Radiology and Ultrasound</i> , 2019, 60, 696-706.	0.9	17
12	The development of hoof balance and landing preference in the postnatal period. <i>Equine Veterinary Journal</i> , 2018, 50, 809-817.	1.7	3
13	Intervertebral Disc Degeneration in Warmblood Horses: Morphology, Grading, and Distribution of Lesions. <i>Veterinary Pathology</i> , 2018, 55, 442-452.	1.7	29
14	Mouldable, thermoplastic, glue-on frog-supportive shoes change hoof kinetics in normal and obese Shetland ponies. <i>Equine Veterinary Journal</i> , 2018, 50, 684-689.	1.7	10
15	The use of a rein tension device to compare different training methods for neck flexion in base-level trained Warmblood horses at the walk. <i>Equine Veterinary Journal</i> , 2018, 50, 825-830.	1.7	6
16	Ruling out <i>BGN</i> variants as simple X-linked causative mutations for bilateral corneal stromal loss in Friesian horses. <i>Animal Genetics</i> , 2018, 49, 656-657.	1.7	6
17	Sagittal plane fore hoof unevenness is associated with fore and hindlimb asymmetrical force vectors in the sagittal and frontal planes. <i>PLoS ONE</i> , 2018, 13, e0203134.	2.5	9
18	EquiMoves: A Wireless Networked Inertial Measurement System for Objective Examination of Horse Gait. <i>Sensors</i> , 2018, 18, 850.	3.8	59

#	ARTICLE	IF	CITATIONS
19	Hindquarter Movement of Sporthorse Stallions During Semen Collection. <i>Journal of Equine Veterinary Science</i> , 2017, 55, 100-104.	0.9	0
20	Cross-sectional study of the prevalence of and risk factors for hoof disorders in horses in The Netherlands. <i>Preventive Veterinary Medicine</i> , 2017, 140, 53-59.	1.9	12
21	The development of locomotor kinetics in the foal and the effect of osteochondrosis. <i>Equine Veterinary Journal</i> , 2017, 49, 467-474.	1.7	9
22	Validation of distal limb mounted inertial measurement unit sensors for stride detection in Warmblood horses at walk and trot. <i>Equine Veterinary Journal</i> , 2017, 49, 545-551.	1.7	29
23	Quantitative and qualitative aspects of standing-up behavior and the prevalence of osteochondrosis in Warmblood foals on different farms: could there be a link?. <i>BMC Veterinary Research</i> , 2017, 13, 324.	1.9	3
24	Current insights into the molecular genetic basis of dwarfism in livestock. <i>Veterinary Journal</i> , 2017, 224, 64-75.	1.7	38
25	A horse's locomotor signature: COP path determined by the individual limb. <i>PLoS ONE</i> , 2017, 12, e0167477.	2.5	18
26	Clinicopathological findings in horses with a bi- or tripartite navicular bone. <i>BMC Veterinary Research</i> , 2016, 12, 74.	1.9	10
27	Osteochondral dysplasia of the coxofemoral joints in a Friesian foal: Clinical findings and methods of diagnosis. <i>Equine Veterinary Education</i> , 2016, 28, 486-491.	0.6	1
28	Arthroscopic Removal of Large Extensor Process Fragments in 18 Friesian Horses: Long-Term Clinical Outcome and Radiological Follow-Up of the Distal Interphalangeal Joint. <i>Veterinary Surgery</i> , 2016, 45, 536-541.	1.0	7
29	Musculoskeletal Disease in Aged Horses and Its Management. <i>Veterinary Clinics of North America Equine Practice</i> , 2016, 32, 229-247.	0.7	26
30	EX VIVO COMPUTED TOMOGRAPHIC EVALUATION OF MORPHOLOGY VARIATIONS IN EQUINE CERVICAL VERTEBRAE. <i>Veterinary Radiology and Ultrasound</i> , 2016, 57, 482-488.	0.9	27
31	Dwarfism with joint laxity in Friesian horses is associated with a splice site mutation in B4GALT7. <i>BMC Genomics</i> , 2016, 17, 839.	2.8	31
32	Saddles and seats in animal and human sports: Where is your smart, wearable, real-time feedback?. <i>Veterinary Journal</i> , 2016, 207, 4-5.	1.7	1
33	A longitudinal study on the performance of in vivo methods to determine the osteochondrotic status of young pigs. <i>BMC Veterinary Research</i> , 2016, 12, 62.	1.9	6
34	The use of electromyography interference pattern analysis to determine muscle force of the deep digital flexor muscle in healthy and laminitic horses. <i>Veterinary Quarterly</i> , 2016, 36, 10-15.	6.7	2
35	The Use of Electromyography Including Interference Pattern Analysis to Determine Muscle Force of the Deep Digital Flexor Muscle in Case of Equine Laminitis. <i>Equine Veterinary Journal</i> , 2015, 47, 16-16.	1.7	0
36	A nonsense mutation in B3GALNT2 is concordant with hydrocephalus in Friesian horses. <i>BMC Genomics</i> , 2015, 16, 761.	2.8	29

#	ARTICLE	IF	CITATIONS
37	Functional Locomotor Consequences of Uneven Forefeet for Trot Symmetry in Individual Riding Horses. PLoS ONE, 2015, 10, e0114836.	2.5	29
38	Clinical effects of buprenorphine on open field behaviour and gait symmetry in healthy and lame weaned piglets. Veterinary Journal, 2015, 206, 298-303.	1.7	18
39	Esophageal Dysfunction in Friesian Horses. Veterinary Pathology, 2015, 52, 1142-1147.	1.7	21
40	The equine cervical spine: comparing MRI and contrast-enhanced CT images with anatomic slices in the sagittal, dorsal, and transverse plane. Veterinary Quarterly, 2014, 34, 74-84.	6.7	26
41	Axial osteitis of the proximal sesamoid bones and desmitis of the intersesamoidean ligament in the hindlimb of Friesian horses: review of 12 cases (2002-2012) and post-mortem analysis of the bone-ligament interface. BMC Veterinary Research, 2014, 10, 272.	1.9	9
42	The effects of three-month oral supplementation with a nutraceutical and exercise on the locomotor pattern of aged horses. Equine Veterinary Journal, 2014, 46, 611-617.	1.7	19
43	Comparison of the head and neck position of elite dressage horses during top-level competitions in 1992 versus 2008. Veterinary Journal, 2014, 202, 462-465.	1.7	22
44	The Equine Cervical Spine: Comparing MRI and Contrast-Enhanced CT Images with Anatomic Slices in the Sagittal, Dorsal and Transverse Plane. Equine Veterinary Journal, 2014, 46, 48-48.	1.7	3
45	Determination of equine deep digital flexor muscle volume based on distances between anatomical landmarks. Research in Veterinary Science, 2014, 97, 397-399.	1.9	0
46	Effect of different head and neck positions on behaviour, heart rate variability and cortisol levels in lunged Royal Dutch Sport horses. Veterinary Journal, 2014, 202, 26-32.	1.7	46
47	Monitoring equine visceral pain with a composite pain scale score and correlation with survival after emergency gastrointestinal surgery. Veterinary Journal, 2014, 200, 109-115.	1.7	34
48	Technological advances in equestrian sports: Are they beneficial for both performance and welfare?. Veterinary Journal, 2014, 199, 313-314.	1.7	6
49	Biomechanical responses of the back of riding horses to water treadmill exercise. Veterinary Journal, 2013, 198, e120-e123.	1.7	25
50	Phenotypic Characteristics of Hydrocephalus in Stillborn Friesian Foals. Veterinary Pathology, 2013, 50, 1037-1042.	1.7	19
51	The effect of Clostridium botulinum toxin type A injections on motor unit activity of the deep digital flexor muscle in healthy sound Royal Dutch sport horses. Veterinary Journal, 2013, 198, e147-e151.	1.7	11
52	Does long-term unilateral circling affect locomotor symmetry in ponies used for carousel rides?. Veterinary Journal, 2013, 198, e143-e146.	1.7	2
53	Effect of Clostridium botulinum toxin type A injections into the deep digital flexor muscle on the range of motion of the metacarpus and carpus, and the force distribution underneath the hooves, of sound horses at the walk. Veterinary Journal, 2013, 198, e152-e156.	1.7	11
54	Pressure plate analysis of toe-heel and medio-lateral hoof balance at the walk and trot in sound sport horses. Veterinary Journal, 2013, 198, e9-e13.	1.7	21

#	ARTICLE	IF	CITATIONS
55	Back in the driver's seat and the need for an objective evaluation of saddle fit. <i>Veterinary Journal</i> , 2013, 195, 12-13.	1.7	1
56	Toe modifications in hind feet shoes optimise hoof unrollment in sound Warmblood horses at trot. <i>Equine Veterinary Journal</i> , 2013, 45, 485-489.	1.7	6
57	Effect of head and neck position on intrathoracic pressure and arterial blood gas values in Dutch Warmblood riding horses during moderate exercise. <i>American Journal of Veterinary Research</i> , 2012, 73, 522-528.	0.6	16
58	The Friesian horse breed: A clinical challenge to the equine veterinarian?. <i>Equine Veterinary Education</i> , 2012, 24, 66-71.	0.6	30
59	Effect of differences in tendon properties on functionality of the passive stay apparatus in horses. <i>American Journal of Veterinary Research</i> , 2011, 72, 474-483.	0.6	14
60	Longitudinal development of kinematics in Shetland ponies and the influence of feeding and training regimes. <i>Equine Veterinary Journal</i> , 2010, 34, 609-614.	1.7	7
61	Effect of lateral heel wedges on sagittal and transverse plane kinematics of trotting Shetland ponies and the influence of feeding and training regimes. <i>Equine Veterinary Journal</i> , 2010, 35, 606-612.	1.7	20
62	Dynamic pressure measurements for the detailed study of hoof balance: the effect of trimming. <i>Equine Veterinary Journal</i> , 2010, 36, 778-782.	1.7	72
63	Effects of girth, saddle and weight on movements of the horse. <i>Equine Veterinary Journal</i> , 2010, 36, 758-763.	1.7	95
64	The role of electromyography in clinical diagnosis of neuromuscular locomotor problems in the horse. <i>Equine Veterinary Journal</i> , 2010, 36, 718-722.	1.7	53
65	Changes in location of centre of pressure and hoof-unrollment pattern in relation to an 8-week shoeing interval in the horse. <i>Equine Veterinary Journal</i> , 2010, 37, 536-540.	1.7	39
66	Hoof growth between two shoeing sessions leads to a substantial increase of the moment about the distal, but not the proximal, interphalangeal joint. <i>Equine Veterinary Journal</i> , 2010, 38, 170-174.	1.7	51
67	Shoeing sound Warmblood horses with a rolled toe optimises hoof-unrollment and lowers peak loading during breakover. <i>Equine Veterinary Journal</i> , 2010, 38, 258-262.	1.7	37
68	Genome-wide SNP association-based localization of a dwarfism gene in Friesian dwarf horses. <i>Animal Genetics</i> , 2010, 41, 2-7.	1.7	31
69	A Pressure Algometer Is a Useful Tool to Objectively Monitor the Effect of Diagnostic Palpation by a Physiotherapist in Warmblood Horses. <i>Journal of Equine Veterinary Science</i> , 2010, 30, 310-321.	0.9	30
70	Lateralised motor behaviour leads to increased unevenness in front feet and asymmetry in athletic performance in young mature Warmblood horses. <i>Equine Veterinary Journal</i> , 2010, 42, 444-450.	1.7	33
71	Effect of head and neck position on outcome of quantitative neuromuscular diagnostic techniques in Warmblood riding horses directly following moderate exercise. <i>Equine Veterinary Journal</i> , 2010, 42, 261-267.	1.7	27
72	The effect of <i>ex vivo</i> flexion and extension on intervertebral foramina dimensions in the equine cervical spine. <i>Equine Veterinary Journal</i> , 2010, 42, 425-430.	1.7	25

#	ARTICLE	IF	CITATIONS
73	A pilot study on objective quantification and anatomical modelling of <i>in vivo</i> head and neck positions commonly applied in training and competition of sport horses. <i>Equine Veterinary Journal</i> , 2010, 42, 436-443.	1.7	24
74	Normal function of the hypothalamicâ€pituitary growth axis in three dwarf Friesian foals. <i>Veterinary Record</i> , 2009, 165, 373-376.	0.3	5
75	Heritability of foot conformation and its relationship to sports performance in a Dutch Warmblood horse population. <i>Equine Veterinary Journal</i> , 2009, 41, 139-143.	1.7	51
76	The use of force plate measurements to titrate the dosage of a new COXâ€2 inhibitor in lame horses. <i>Equine Veterinary Journal</i> , 2009, 41, 309-312.	1.7	24
77	Back kinematics of healthy trotting horses during treadmill versus over ground locomotion. <i>Equine Veterinary Journal</i> , 2009, 41, 297-300.	1.7	29
78	The effect of induced hindlimb lameness on thoracolumbar kinematics during treadmill locomotion. <i>Equine Veterinary Journal</i> , 2008, 40, 147-152.	1.7	59
79	Phenotypic diagnosis of dwarfism in six Friesian horses. <i>Equine Veterinary Journal</i> , 2008, 40, 282-287.	1.7	23
80	Compensation for changes in hoof conformation between shoeing sessions through the adaptation of angular kinematics of the distal segments of the limbs of horses. <i>American Journal of Veterinary Research</i> , 2006, 67, 1199-1203.	0.6	18
81	Uneven feet in a foal may develop as a consequence of lateral grazing behaviour induced by conformational traits. <i>Equine Veterinary Journal</i> , 2006, 38, 646-651.	1.7	60
82	Developmental aspects of distal limb conformation in the horse: the potential consequences of uneven feet in foals. <i>Equine Veterinary Journal</i> , 2006, 38, 652-656.	1.7	26
83	Saddle pressure measuring: Validity, reliability and power to discriminate between different saddle-fits. <i>Veterinary Journal</i> , 2006, 172, 265-273.	1.7	51
84	Synthetic shoes attenuate hoof impact in the trotting warmblood horse. <i>Equine and Comparative Exercise Physiology</i> , 2006, 3, 143-151.	0.4	18
85	Effect of early training on the jumping technique of horses. <i>American Journal of Veterinary Research</i> , 2005, 66, 418-424.	0.6	34
86	Accuracy of hoof angle measurement devices in comparison with digitally analysed radiographs. <i>Equine Veterinary Education</i> , 2005, 17, 319-322.	0.6	20
87	Variation in free jumping technique within and among horses with little experience in show jumping. <i>American Journal of Veterinary Research</i> , 2004, 65, 938-944.	0.6	24
88	A comparison between the trot of pony and horse foals to characterise equine locomotion at young age. <i>Equine Veterinary Journal</i> , 1999, 31, 240-244.	1.7	6
89	The influence of different exercise regimens on the development of locomotion in the foal. <i>Equine Veterinary Journal</i> , 1999, 31, 106-111.	1.7	8
90	Incarcerated umbilical hernia with enterocutaneous fistulae in two foals. <i>Equine Veterinary Education</i> , 1997, 9, 3-6.	0.6	6

#	ARTICLE	IF	CITATIONS
91	Kinematic comparison of the leading and trailing fore- and hindlimbs at the canter. Equine Veterinary Journal, 1997, 29, 80-83.	1.7	19
92	Are kinematics of the walk related to the locomotion of a warmblood horse at the trot?. Veterinary Quarterly, 1996, 18, 79-84.	6.7	45
93	Are kinematics of the walk related to the locomotion of a warmblood horse at the trot?. Veterinary Quarterly, 1996, 18 Suppl 2, S79-84.	6.7	2
94	Predictive value of foal kinematics for the locomotor performance of adult horses. Research in Veterinary Science, 1995, 59, 64-69.	1.9	33
95	How the horse moves: 1. Significance of graphical representations of equine forelimb kinematics. Equine Veterinary Journal, 1995, 27, 31-38.	1.7	76
96	How the horse moves: 2. Significance of graphical representations of equine hind limb kinematics. Equine Veterinary Journal, 1995, 27, 39-45.	1.7	63
97	Kinematic differences between the distal portions of the forelimbs and hind limbs of horses at the trot. American Journal of Veterinary Research, 1995, 56, 1522-8.	0.6	55
98	Kinematic detection of superior gait quality in young trotting warmbloods. Veterinary Quarterly, 1994, 16, 91-96.	6.7	49
99	Quantification of the Locomotion of Dutch Warmblood Foals. Cells Tissues Organs, 1993, 146, 141-147.	2.3	32
100	Kinematic Gait Analysis in Equine Carpal Lameness. Cells Tissues Organs, 1993, 146, 86-89.	2.3	51