Emmeline W Hill

List of Publications by Year
in descending order

57	3,714	172457	149698
papers	citations	29 h-index	56 g-index

60	60	60	3373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome Sequence, Comparative Analysis, and Population Genetics of the Domestic Horse. Science, 2009, 326, 865-867.	12.6	680
2	African Pastoralism: Genetic Imprints of Origins and Migrations. Science, 2002, 296, 336-339.	12.6	488
3	Genome-Wide Analysis Reveals Selection for Important Traits in Domestic Horse Breeds. PLoS Genetics, 2013, 9, e1003211.	3.5	240
4	Genetic Diversity in the Modern Horse Illustrated from Genome-Wide SNP Data. PLoS ONE, 2013, 8, e54997.	2.5	214
5	A High Density SNP Array for the Domestic Horse and Extant Perissodactyla: Utility for Association Mapping, Genetic Diversity, and Phylogeny Studies. PLoS Genetics, 2012, 8, e1002451.	3.5	208
6	A Sequence Polymorphism in MSTN Predicts Sprinting Ability and Racing Stamina in Thoroughbred Horses. PLoS ONE, 2010, 5, e8645.	2.5	154
7	A genome-wide SNP-association study confirms a sequence variant (g.66493737C>T) in the equine myostatin (MSTN) gene as the most powerful predictor of optimum racing distance for Thoroughbred racehorses. BMC Genomics, 2010, 11, 552.	2.8	125
8	A Genome Scan for Positive Selection in Thoroughbred Horses. PLoS ONE, 2009, 4, e5767.	2.5	123
9	History and integrity of thoroughbred dam lines revealed in equine mtDNA variation. Animal Genetics, 2002, 33, 287-294.	1.7	118
10	Characterization of the equine skeletal muscle transcriptome identifies novel functional responses to exercise training. BMC Genomics, 2010, 11, 398.	2.8	81
11	The genetic origin and history of speed in the Thoroughbred racehorse. Nature Communications, 2012, 3, 643.	12.8	77
12	Understanding bovine trypanosomiasis and trypanotolerance: the promise of functional genomics. Veterinary Immunology and Immunopathology, 2005, 105, 247-258.	1.2	74
13	Targets of selection in the Thoroughbred genome contain exerciseâ€relevant gene SNPs associated with elite racecourse performance. Animal Genetics, 2010, 41, 56-63.	1.7	65
14	Alterations in oxidative gene expression in equine skeletal muscle following exercise and training. Physiological Genomics, 2010, 40, 83-93.	2.3	64
15	Evidence for biogeographic patterning of mitochondrial DNA sequences in Eastern horse populations. Animal Genetics, 2006, 37, 494-497.	1.7	60
16	Transcriptional adaptations following exercise in Thoroughbred horse skeletal muscle highlights molecular mechanisms that lead to muscle hypertrophy. BMC Genomics, 2009, 10, 638.	2.8	57
17	Association of sequence variants inCKM(creatine kinase, muscle) andCOX4I2(cytochrome) Tj ETQq1 1 0.784314 rgBT /Ov Veterinary Journal, 2010, 42, 569-575.	1.7	57
18	Cytokine mRNA profiling of peripheral blood mononuclear cells from trypanotolerant and trypanosusceptible cattle infected withTrypanosoma congolense. Physiological Genomics, 2006, 28, 53-61.	2.3	49

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19	Mitochondrial DNA sequence diversity in extant Irish horse populations and in ancient horses. Animal Genetics, 2006, 37, 498-502.	1.7	49
20	Sequence Variants at the myostatin Gene Locus Influence the Body Composition of Thoroughbred Horses. Journal of Veterinary Medical Science, 2011, 73, 1617-1624.	0.9	48
21	The cosmopolitan maternal heritage of the Thoroughbred racehorse breed shows a significant contribution from British and Irish native mares. Biology Letters, 2011, 7, 316-320.	2.3	47
22	<scp>MSTN</scp> genotypes in <scp>T</scp>horoughbred horses influence skeletal muscle gene expression and racetrack performance. Animal Genetics, 2012, 43, 810-812.	1.7	42
23	Transcriptional profiling of cattle infected with Trypanosoma congolense highlights gene expression signatures underlying trypanotolerance and trypanosusceptibility. BMC Genomics, 2009, 10, 207.	2.8	41
24	The â€œspeed geneâ€•effect of myostatin arises in Thoroughbred horses due to a promoter proximal SINE insertion. PLoS ONE, 2018, 13, e0205664.	2.5	37
25	PGCâ€1Î± encoded by the PPARGC1A gene regulates oxidative energy metabolism in equine skeletal muscle during exercise. Animal Genetics, 2012, 43, 153-162.	1.7	36
26	A cohort study of racing performance in Japanese Thoroughbred racehorses using genome information on ECA18. Animal Genetics, 2012, 43, 42-52.	1.7	34
27	Equine skeletal muscle adaptations to exercise and training: evidence of differential regulation of autophagosomal and mitochondrial components. BMC Genomics, 2017, 18, 595.	2.8	33
28	Genomic inbreeding trends, influential sire lines and selection in the global Thoroughbred horse population. Scientific Reports, 2020, 10, 466.	3.3	33
29	MSTNgenotype (g.66493737C/T) association with speed indices in Thoroughbred racehorses. Journal of Applied Physiology, 2012, 112, 86-90.	2.5	32
30	Skeletal muscle mitochondrial bioenergetics and associations with myostatin genotypes in the Thoroughbred horse. PLoS ONE, 2017, 12, e0186247.	2.5	28
31	Skeletal muscle adaptations and muscle genomics of performance horses. Veterinary Journal, 2016, 209, 5-13.	1.7	27
32	Moderate and high intensity sprint exercise induce differential responses inCOX4I2andPDK4gene expression in Thoroughbred horse skeletal muscle. Equine Veterinary Journal, 2010, 42, 576-581.	1.7	23
33	The association of various speed indices to training responses in Thoroughbred flat racehorses measured with a global positioning and heart rate monitoring system. Equine Veterinary Journal, 2010, 42, 51-57.	1.7	22
34	Mitochondrial <scp>DNA D</scp>â€loop sequence variation in maternal lineages of <scp>I</scp>ranian native horses. Animal Genetics, 2013, 44, 209-213.	1.7	22
35	The relationship between body composition, training and race performance in a group of <scp>T</scp>horoughbred flat racehorses. Equine Veterinary Journal, 2013, 45, 552-557.	1.7	22
36	Chinese Mongolian horses may retain early domestic male genetic lineages yet to be discovered. Animal Genetics, 2019, 50, 399-402.	1.7	17

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37	Analysis of genetic variation contributing to measured speed in Thoroughbreds identifies genomic regions involved in the transcriptional response to exercise. Animal Genetics, 2019, 50, 670-685.	1.7	15
38	The contribution of myostatin (MSTN) and additional modifying genetic loci to race distance aptitude in Thoroughbred horses racing in different geographic regions. Equine Veterinary Journal, 2019, 51, 625-633.	1.7	14
39	Horses for Courses: a DNA-based Test for Race Distance Aptitude in Thoroughbred Racehorses. Recent Patents on DNA & Gene Sequences, 2012, 6, 203-208.	0.7	14
40	Genome-wide association study of osteochondrosis in the tarsocrural joint of Dutch Warmblood horses identifies susceptibility loci on chromosomes 3 and 10. Animal Genetics, 2013, 44, 408-412.	1.7	13
41	A genomic prediction model for racecourse starts in the Thoroughbred horse. Animal Genetics, 2019, 50, 347-357.	1.7	12
42	Divergent antimicrobial peptide (AMP) and acute phase protein (APP) responses to Trypanosoma congolense infection in trypanotolerant and trypanosusceptible cattle. Molecular Immunology, 2009, 47, 196-204.	2.2	11
43	Intraâ€•and interobserver reliability estimates for identification and grading of upper respiratory tract abnormalities recorded in horses at rest and during overground endoscopy. Equine Veterinary Journal, 2017, 49, 433-437.	1.7	11
44	Genetic contributions to precocity traits in racing Thoroughbreds. Animal Genetics, 2018, 49, 193-204.	1.7	11
45	Expression Quantitative Trait Loci in Equine Skeletal Muscle Reveals Heritable Variation in Metabolism and the Training Responsive Transcriptome. Frontiers in Genetics, 2019, 10, 1215.	2.3	11
46	Selection in Australian Thoroughbred horses acts on a locus associated with early two-year old speed. PLoS ONE, 2020, 15, e0227212.	2.5	11
47	Inbreeding depression and the probability of racing in the Thoroughbred horse. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	10
48	Thoroughbred racehorse mitochondrial <scp>DNA</scp> demonstrates closer than expected links between maternal genetic history and pedigree records. Journal of Animal Breeding and Genetics, 2013, 130, 227-235.	2.0	8
49	Evaluation of microRNA expression in plasma and skeletal muscle of thoroughbred racehorses in training. BMC Veterinary Research, 2017, 13, 347.	1.9	8
50	Serial evaluation of resting and exercising overground endoscopic examination results in young Thoroughbreds with no treatment intervention. Equine Veterinary Journal, 2019, 51, 192-197.	1.7	8
51	Refinement of Global Domestic Horse Biogeography Using Historic Landrace Chinese Mongolian Populations. Journal of Heredity, 2019, 110, 769-781.	2.4	8
52	TRUTH IN THE BONES: RESOLVING THE IDENTITY OF THE FOUNDING ELITE THOROUGHBRED RACEHORSES. Archaeometry, 2012, 54, 916-925.	1.3	7
53	A candidateâ€•<scp>SNP</scp> retrospective cohort study for fracture risk in Japanese Thoroughbred racehorses. Animal Genetics, 2020, 51, 43-50.	1.7	7
54	Exploratory factor analysis of signalment and conformational measurements in Thoroughbred horses with and without recurrent laryngeal neuropathy. Equine Veterinary Journal, 2019, 51, 179-184.	1.7	3

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55	Inspiratory muscle training in young, race-fit Thoroughbred racehorses during a period of detraining. PLoS ONE, 2020, 15, e0225559.	2.5	3
56	Impact of pharyngeal endoscopic tip placement and water flushing interval on upper respiratory tract disorders in horses undergoing overground endoscopy. Equine Veterinary Journal, 2019, 51, 173-178.	1.7	1
57	Convenient detection of single nucleotide polymorphism haplotypes in the bovine growth hormone gene using amplification-created restriction sites. Animal Genetics, 2005, 36, 175-177.	1.7	0