Emmeline W Hill

List of Publications by Citations

57 papers	2,736 citations	24 h-index	52 g-index
60 ext. papers	3,365 ext. citations	4.3 avg, IF	4.24 L-index

#	Paper	IF	Citations
57	Genome sequence, comparative analysis, and population genetics of the domestic horse. *Science*, **2009**, 326, 865-7	33.3	559
56	African pastoralism: genetic imprints of origins and migrations. *Science*, **2002**, 296, 336-9	33.3	377
55	Genome-wide analysis reveals selection for important traits in domestic horse breeds. *PLoS Genetics*, **2013**, 9, e1003211	6	157
54	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	6	156
53	Genetic diversity in the modern horse illustrated from genome-wide SNP data. *PLoS ONE*, **2013**, 8, e54997	3.7	140
52	A sequence polymorphism in MSTN predicts sprinting ability and racing stamina in thoroughbred horses. *PLoS ONE*, **2010**, 5, e8645	3.7	122
51	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	4.5	105
50	A genome scan for positive selection in thoroughbred horses. *PLoS ONE*, **2009**, 4, e5767	3.7	102
49	History and integrity of thoroughbred dam lines revealed in equine mtDNA variation. *Animal Genetics*, **2002**, 33, 287-94	2.5	94
48	Characterization of the equine skeletal muscle transcriptome identifies novel functional responses to exercise training. *BMC Genomics*, **2010**, 11, 398	4.5	61
47	The genetic origin and history of speed in the Thoroughbred racehorse. *Nature Communications*, **2012**, 3, 643	17.4	55
46	Targets of selection in the Thoroughbred genome contain exercise-relevant gene SNPs associated with elite racecourse performance. *Animal Genetics*, **2010**, 41 Suppl 2, 56-63	2.5	51
45	Evidence for biogeographic patterning of mitochondrial DNA sequences in Eastern horse populations. *Animal Genetics*, **2006**, 37, 494-7	2.5	50
44	Understanding bovine trypanosomiasis and trypanotolerance: the promise of functional genomics. *Veterinary Immunology and Immunopathology*, **2005**, 105, 247-58	2	46
43	Alterations in oxidative gene expression in equine skeletal muscle following exercise and training. *Physiological Genomics*, **2010**, 40, 83-93	3.6	44
42	Association of sequence variants in CKM (creatine kinase, muscle) and COX4I2 (cytochrome c oxidase, subunit 4, isoform 2) genes with racing performance in Thoroughbred horses. *Equine Veterinary Journal*, **2010**, 42, 569-75	2.4	44
41	Cytokine mRNA profiling of peripheral blood mononuclear cells from trypanotolerant and trypanosusceptible cattle infected with Trypanosoma congolense. *Physiological Genomics*, **2006**, 28, 53-61	3.6	39

40	Transcriptional adaptations following exercise in thoroughbred horse skeletal muscle highlights molecular mechanisms that lead to muscle hypertrophy. *BMC Genomics*, **2009**, 10, 638	4.5	38
39	Sequence variants at the myostatin gene locus influence the body composition of Thoroughbred horses. *Journal of Veterinary Medical Science*, **2011**, 73, 1617-24	1.1	36
38	The cosmopolitan maternal heritage of the Thoroughbred racehorse breed shows a significant contribution from British and Irish native mares. *Biology Letters*, **2011**, 7, 316-20	3.6	36
37	MSTN genotypes in Thoroughbred horses influence skeletal muscle gene expression and racetrack performance. *Animal Genetics*, **2012**, 43, 810-2	2.5	34
36	Transcriptional profiling of cattle infected with Trypanosoma congolense highlights gene expression signatures underlying trypanotolerance and trypanosusceptibility. *BMC Genomics*, **2009**, 10, 207	4.5	34
35	Mitochondrial DNA sequence diversity in extant Irish horse populations and in ancient horses. *Animal Genetics*, **2006**, 37, 498-502	2.5	34
34	A cohort study of racing performance in Japanese Thoroughbred racehorses using genome information on ECA18. *Animal Genetics*, **2012**, 43, 42-52	2.5	31
33	MSTN genotype (g.66493737C/T) association with speed indices in Thoroughbred racehorses. *Journal of Applied Physiology*, **2012**, 112, 86-90	3.7	23
32	PGC-1 encoded by the PPARGC1A gene regulates oxidative energy metabolism in equine skeletal muscle during exercise. *Animal Genetics*, **2012**, 43, 153-62	2.5	22
31	Skeletal muscle adaptations and muscle genomics of performance horses. *Veterinary Journal*, **2016**, 209, 5-13	2.5	21
30	Moderate and high intensity sprint exercise induce differential responses in COX4I2 and PDK4 gene expression in Thoroughbred horse skeletal muscle. *Equine Veterinary Journal*, **2010**, 42, 576-81	2.4	19
29	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, 51-7	2.4	18
28	The "speed gene" effect of myostatin arises in Thoroughbred horses due to a promoter proximal SINE insertion. *PLoS ONE*, **2018**, 13, e0205664	3.7	18
27	Mitochondrial DNA D-loop sequence variation in maternal lineages of Iranian native horses. *Animal Genetics*, **2013**, 44, 209-13	2.5	16
26	Equine skeletal muscle adaptations to exercise and training: evidence of differential regulation of autophagosomal and mitochondrial components. *BMC Genomics*, **2017**, 18, 595	4.5	16
25	Genomic inbreeding trends, influential sire lines and selection in the global Thoroughbred horse population. *Scientific Reports*, **2020**, 10, 466	4.9	15
24	Skeletal muscle mitochondrial bioenergetics and associations with myostatin genotypes in the Thoroughbred horse. *PLoS ONE*, **2017**, 12, e0186247	3.7	14
23	The relationship between body composition, training and race performance in a group of Thoroughbred flat racehorses. *Equine Veterinary Journal*, **2013**, 45, 552-7	2.4	13

22	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, 408-12	2.5	13
21	Horses for courses: a DNA-based test for race distance aptitude in thoroughbred racehorses. *Recent Patents on DNA & Gene Sequences*, **2012**, 6, 203-8		10
20	Intra- 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	2.4	7
19	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	4.3	7
18	Selection in Australian Thoroughbred horses acts on a locus associated with early two-year old speed. *PLoS ONE*, **2020**, 15, e0227212	3.7	6
17	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	2.5	6
16	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	2.4	6
15	Genetic contributions to precocity traits in racing Thoroughbreds. *Animal Genetics*, **2018**, 49, 193-204	2.5	5
14	Thoroughbred racehorse mitochondrial DNA demonstrates closer than expected links between maternal genetic history and pedigree records. *Journal of Animal Breeding and Genetics*, **2013**, 130, 227-35	2.9	5
13	Evaluation of microRNA expression in plasma and skeletal muscle of thoroughbred racehorses in training. *BMC Veterinary Research*, **2017**, 13, 347	2.7	5
12	TRUTH IN THE BONES: RESOLVING THE IDENTITY OF THE FOUNDING ELITE THOROUGHBRED RACEHORSES. *Archaeometry*, **2012**, 54, 916-925	1.6	5
11	A genomic prediction model for racecourse starts in the Thoroughbred horse. *Animal Genetics*, **2019**, 50, 347-357	2.5	4
10	Chinese Mongolian horses may retain early domestic male genetic lineages yet to be discovered. *Animal Genetics*, **2019**, 50, 399-402	2.5	3
9	Serial evaluation of resting and exercising overground endoscopic examination results in young Thoroughbreds with no treatment intervention. *Equine Veterinary Journal*, **2019**, 51, 192-197	2.4	3
8	Expression Quantitative Trait Loci in Equine Skeletal Muscle Reveals Heritable Variation in Metabolism and the Training Responsive Transcriptome. *Frontiers in Genetics*, **2019**, 10, 1215	4.5	3
7	Exploratory factor analysis of signalment and conformational measurements in Thoroughbred horses with and without recurrent laryngeal neuropathy. *Equine Veterinary Journal*, **2019**, 51, 179-184	2.4	2
6	A candidate-SNP retrospective cohort study for fracture risk in Japanese Thoroughbred racehorses. *Animal Genetics*, **2020**, 51, 43-50	2.5	2
5	Refinement of Global Domestic Horse Biogeography Using Historic Landrace Chinese Mongolian Populations. *Journal of Heredity*, **2019**, 110, 769-781	2.4	1

4	Genomics of Performance **2013**, 265-283		1
3	Inspiratory muscle training in young, race-fit Thoroughbred racehorses during a period of detraining. *PLoS ONE*, **2020**, 15, e0225559	3.7	0
2	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	2.4	0
1	Convenient detection of single nucleotide polymorphism haplotypes in the bovine growth hormone gene using amplification-created restriction sites. *Animal Genetics*, **2005**, 36, 175-7	2.5	