

# Emmeline W Hill

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Selection in Australian Thoroughbred horses acts on a locus associated with early two-year old speed. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227212	3.7	6
56	Genomic inbreeding trends, influential sire lines and selection in the global Thoroughbred horse population. <i>Scientific Reports</i> , <b>2020</b> , 10, 466	4.9	15
55	Inspiratory muscle training in young, race-fit Thoroughbred racehorses during a period of detraining. <i>PLoS ONE</i> , <b>2020</b> , 15, e0225559	3.7	0
54	A candidate-SNP retrospective cohort study for fracture risk in Japanese Thoroughbred racehorses. <i>Animal Genetics</i> , <b>2020</b> , 51, 43-50	2.5	2
53	Chinese Mongolian horses may retain early domestic male genetic lineages yet to be discovered. <i>Animal Genetics</i> , <b>2019</b> , 50, 399-402	2.5	3
52	Exploratory factor analysis of signalment and conformational measurements in Thoroughbred horses with and without recurrent laryngeal neuropathy. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 179-184	2.4	2
51	Serial evaluation of resting and exercising overground endoscopic examination results in young Thoroughbreds with no treatment intervention. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 192-197	2.4	3
50	Impact of pharyngeal endoscopic tip placement and water flushing interval on upper respiratory tract disorders in horses undergoing overground endoscopy. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 173-178	2.4	0
49	A genomic prediction model for racecourse starts in the Thoroughbred horse. <i>Animal Genetics</i> , <b>2019</b> , 50, 347-357	2.5	4
48	Refinement of Global Domestic Horse Biogeography Using Historic Landrace Chinese Mongolian Populations. <i>Journal of Heredity</i> , <b>2019</b> , 110, 769-781	2.4	1
47	Analysis of genetic variation contributing to measured speed in Thoroughbreds identifies genomic regions involved in the transcriptional response to exercise. <i>Animal Genetics</i> , <b>2019</b> , 50, 670-685	2.5	6
46	Expression Quantitative Trait Loci in Equine Skeletal Muscle Reveals Heritable Variation in Metabolism and the Training Responsive Transcriptome. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 1215	4.5	3
45	The contribution of myostatin (MSTN) and additional modifying genetic loci to race distance aptitude in Thoroughbred horses racing in different geographic regions. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 625-633	2.4	6
44	Genetic contributions to precocity traits in racing Thoroughbreds. <i>Animal Genetics</i> , <b>2018</b> , 49, 193-204	2.5	5
43	The "speed gene" effect of myostatin arises in Thoroughbred horses due to a promoter proximal SINE insertion. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205664	3.7	18
42	Intra- and interobserver reliability estimates for identification and grading of upper respiratory tract abnormalities recorded in horses at rest and during overground endoscopy. <i>Equine Veterinary Journal</i> , <b>2017</b> , 49, 433-437	2.4	7
41	Evaluation of microRNA expression in plasma and skeletal muscle of thoroughbred racehorses in training. <i>BMC Veterinary Research</i> , <b>2017</b> , 13, 347	2.7	5

40	Equine skeletal muscle adaptations to exercise and training: evidence of differential regulation of autophagosomal and mitochondrial components. <i>BMC Genomics</i> , <b>2017</b> , 18, 595	4.5	16
39	Skeletal muscle mitochondrial bioenergetics and associations with myostatin genotypes in the Thoroughbred horse. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186247	3.7	14
38	Skeletal muscle adaptations and muscle genomics of performance horses. <i>Veterinary Journal</i> , <b>2016</b> , 209, 5-13	2.5	21
37	Thoroughbred racehorse mitochondrial DNA demonstrates closer than expected links between maternal genetic history and pedigree records. <i>Journal of Animal Breeding and Genetics</i> , <b>2013</b> , 130, 227-35	3.9	5
36	Mitochondrial DNA D-loop sequence variation in maternal lineages of Iranian native horses. <i>Animal Genetics</i> , <b>2013</b> , 44, 209-13	2.5	16
35	Genetic diversity in the modern horse illustrated from genome-wide SNP data. <i>PLoS ONE</i> , <b>2013</b> , 8, e54997	3.7	140
34	Genome-wide analysis reveals selection for important traits in domestic horse breeds. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003211	6	157
33	The relationship between body composition, training and race performance in a group of Thoroughbred flat racehorses. <i>Equine Veterinary Journal</i> , <b>2013</b> , 45, 552-7	2.4	13
32	Genome-wide association study of osteochondrosis in the tarsocrural joint of Dutch Warmblood horses identifies susceptibility loci on chromosomes 3 and 10. <i>Animal Genetics</i> , <b>2013</b> , 44, 408-12	2.5	13
31	Genomics of Performance <b>2013</b> , 265-283		1
30	PGC-1 $\alpha$ encoded by the PPARGC1A gene regulates oxidative energy metabolism in equine skeletal muscle during exercise. <i>Animal Genetics</i> , <b>2012</b> , 43, 153-62	2.5	22
29	MSTN genotypes in Thoroughbred horses influence skeletal muscle gene expression and racetrack performance. <i>Animal Genetics</i> , <b>2012</b> , 43, 810-2	2.5	34
28	TRUTH IN THE BONES: RESOLVING THE IDENTITY OF THE FOUNDING ELITE THOROUGHBRED RACEHORSES. <i>Archaeometry</i> , <b>2012</b> , 54, 916-925	1.6	5
27	The genetic origin and history of speed in the Thoroughbred racehorse. <i>Nature Communications</i> , <b>2012</b> , 3, 643	17.4	55
26	A cohort study of racing performance in Japanese Thoroughbred racehorses using genome information on ECA18. <i>Animal Genetics</i> , <b>2012</b> , 43, 42-52	2.5	31
25	A high density SNP array for the domestic horse and extant Perissodactyla: utility for association mapping, genetic diversity, and phylogeny studies. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002451	6	156
24	MSTN genotype (g.66493737C/T) association with speed indices in Thoroughbred racehorses. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 86-90	3.7	23
23	Horses for courses: a DNA-based test for race distance aptitude in thoroughbred racehorses. <i>Recent Patents on DNA &amp; Gene Sequences</i> , <b>2012</b> , 6, 203-8		10

22	Sequence variants at the myostatin gene locus influence the body composition of Thoroughbred horses. <i>Journal of Veterinary Medical Science</i> , <b>2011</b> , 73, 1617-24	1.1	36
21	The cosmopolitan maternal heritage of the Thoroughbred racehorse breed shows a significant contribution from British and Irish native mares. <i>Biology Letters</i> , <b>2011</b> , 7, 316-20	3.6	36
20	A sequence polymorphism in MSTN predicts sprinting ability and racing stamina in thoroughbred horses. <i>PLoS ONE</i> , <b>2010</b> , 5, e8645	3.7	122
19	Alterations in oxidative gene expression in equine skeletal muscle following exercise and training. <i>Physiological Genomics</i> , <b>2010</b> , 40, 83-93	3.6	44
18	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. <i>Equine Veterinary Journal</i> , <b>2010</b> , 42, 569-75	2.4	44
17	Moderate and high intensity sprint exercise induce differential responses in COX4I2 and PDK4 gene expression in Thoroughbred horse skeletal muscle. <i>Equine Veterinary Journal</i> , <b>2010</b> , 42, 576-81	2.4	19
16	The association of various speed indices to training responses in Thoroughbred flat racehorses measured with a global positioning and heart rate monitoring system. <i>Equine Veterinary Journal</i> , <b>2010</b> , 42, 51-7	2.4	18
15	Targets of selection in the Thoroughbred genome contain exercise-relevant gene SNPs associated with elite racecourse performance. <i>Animal Genetics</i> , <b>2010</b> , 41 Suppl 2, 56-63	2.5	51
14	Characterization of the equine skeletal muscle transcriptome identifies novel functional responses to exercise training. <i>BMC Genomics</i> , <b>2010</b> , 11, 398	4.5	61
13	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. <i>BMC Genomics</i> , <b>2010</b> , 11, 552	4.5	105
12	Transcriptional adaptations following exercise in thoroughbred horse skeletal muscle highlights molecular mechanisms that lead to muscle hypertrophy. <i>BMC Genomics</i> , <b>2009</b> , 10, 638	4.5	38
11	Divergent antimicrobial peptide (AMP) and acute phase protein (APP) responses to <i>Trypanosoma congolense</i> infection in trypanotolerant and trypanosusceptible cattle. <i>Molecular Immunology</i> , <b>2009</b> , 47, 196-204	4.3	7
10	Genome sequence, comparative analysis, and population genetics of the domestic horse. <i>Science</i> , <b>2009</b> , 326, 865-7	33.3	559
9	Transcriptional profiling of cattle infected with <i>Trypanosoma congolense</i> highlights gene expression signatures underlying trypanotolerance and trypanosusceptibility. <i>BMC Genomics</i> , <b>2009</b> , 10, 207	4.5	34
8	A genome scan for positive selection in thoroughbred horses. <i>PLoS ONE</i> , <b>2009</b> , 4, e5767	3.7	102
7	Cytokine mRNA profiling of peripheral blood mononuclear cells from trypanotolerant and trypanosusceptible cattle infected with <i>Trypanosoma congolense</i> . <i>Physiological Genomics</i> , <b>2006</b> , 28, 53-61	3.6	39
6	Evidence for biogeographic patterning of mitochondrial DNA sequences in Eastern horse populations. <i>Animal Genetics</i> , <b>2006</b> , 37, 494-7	2.5	50
5	Mitochondrial DNA sequence diversity in extant Irish horse populations and in ancient horses. <i>Animal Genetics</i> , <b>2006</b> , 37, 498-502	2.5	34

4	Understanding bovine trypanosomiasis and trypanotolerance: the promise of functional genomics. <i>Veterinary Immunology and Immunopathology</i> , <b>2005</b> , 105, 247-58	2	46
3	Convenient detection of single nucleotide polymorphism haplotypes in the bovine growth hormone gene using amplification-created restriction sites. <i>Animal Genetics</i> , <b>2005</b> , 36, 175-7	2.5	
2	History and integrity of thoroughbred dam lines revealed in equine mtDNA variation. <i>Animal Genetics</i> , <b>2002</b> , 33, 287-94	2.5	94
1	African pastoralism: genetic imprints of origins and migrations. <i>Science</i> , <b>2002</b> , 296, 336-9	33.3	377