

John B Cole

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7775700/john-b-cole-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

140
papers

4,922
citations

39
h-index

65
g-index

150
ext. papers

6,512
ext. citations

3.8
avg, IF

5.89
L-index

#	Paper	IF	Citations
140	Functional annotation of regulatory elements in cattle genome reveals the roles of extracellular interaction and dynamic change of chromatin states in rumen development during weaning.. <i>Genomics</i> , 2022 , 114, 110296	4.3	0
139	Genome-wide recombination map construction from single sperm sequencing in cattle.. <i>BMC Genomics</i> , 2022 , 23, 181	4.5	1
138	Invited review: The future of selection decisions and breeding programs: What are we breeding for, and who decides?. <i>Journal of Dairy Science</i> , 2021 , 104, 5111-5124	4	2
137	Development of polymorphic markers in the immune gene complex loci of cattle. <i>Journal of Dairy Science</i> , 2021 , 104, 6897-6908	4	1
136	Trends in genetic diversity and the effect of inbreeding in American Angus cattle under genomic selection. <i>Genetics Selection Evolution</i> , 2021 , 53, 50	4.9	0
135	Effect of Temperature and Maternal Age on Recombination Rate in Cattle. <i>Frontiers in Genetics</i> , 2021 , 12, 682718	4.5	
134	Major quantitative trait loci influencing milk production and conformation traits in Guernsey dairy cattle detected on Bos taurus autosome 19. <i>Journal of Dairy Science</i> , 2021 , 104, 550-560	4	4
133	Comparison of Gene Editing Versus Conventional Breeding to Introgress the Allele Into the Tropically Adapted Australian Beef Cattle Population. <i>Frontiers in Genetics</i> , 2021 , 12, 593154	4.5	4
132	Single-cell transcriptomic analyses of dairy cattle ruminal epithelial cells during weaning. <i>Genomics</i> , 2021 , 113, 2045-2055	4.3	3
131	Comprehensive analyses of 723 transcriptomes enhance genetic and biological interpretations for complex traits in cattle. <i>Genome Research</i> , 2020 , 30, 790-801	9.7	40
130	Symposium review: Development, implementation, and perspectives of health evaluations in the United States. <i>Journal of Dairy Science</i> , 2020 , 103, 5354-5365	4	5
129	Validating the Use of Bovine Buccal Sampling as a Proxy for the Rumen Microbiota by Using a Time Course and Random Forest Classification Approach. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	3
128	Symposium review: Exploiting homozygosity in the era of genomics-Selection, inbreeding, and mating programs. <i>Journal of Dairy Science</i> , 2020 , 103, 5302-5313	4	17
127	Comparative whole genome DNA methylation profiling across cattle tissues reveals global and tissue-specific methylation patterns. <i>BMC Biology</i> , 2020 , 18, 85	7.3	11
126	Epigenomics and genotype-phenotype association analyses reveal conserved genetic architecture of complex traits in cattle and human. <i>BMC Biology</i> , 2020 , 18, 80	7.3	12
125	Genomic prediction of residual feed intake in US Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2020 , 103, 2477-2486	4	13
124	The future of phenomics in dairy cattle breeding. <i>Animal Frontiers</i> , 2020 , 10, 37-44	5.5	14

123	GWAS and fine-mapping of livability and six disease traits in Holstein cattle. <i>BMC Genomics</i> , 2020 , 21, 41	4.5	26
122	Investigating conception rate for beef service sires bred to dairy cows and heifers. <i>Journal of Dairy Science</i> , 2020 , 103, 10374-10382	4	7
121	Discovering ancestors and connecting relatives in large genomic databases. <i>Journal of Dairy Science</i> , 2020 , 103, 1729-1734	4	4
120	De novo assembly of the cattle reference genome with single-molecule sequencing. <i>GigaScience</i> , 2020 , 9,	7.6	140
119	High-density genome-wide association study for residual feed intake in Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2019 , 102, 11067-11080	4	19
118	Integrating Signals from Sperm Methylome Analysis and Genome-Wide Association Study for a Better Understanding of Male Fertility in Cattle.. <i>Epigenomes</i> , 2019 , 3,	2.3	9
117	Functional annotation and Bayesian fine-mapping reveals candidate genes for important agronomic traits in Holstein bulls. <i>Communications Biology</i> , 2019 , 2, 212	6.7	28
116	A Large-Scale Genome-Wide Association Study in U.S. Holstein Cattle. <i>Frontiers in Genetics</i> , 2019 , 10, 412	4.5	54
115	Defining the optimal period length and stage of growth or lactation to estimate residual feed intake in dairy cows. <i>Journal of Dairy Science</i> , 2019 , 102, 6131-6143	4	18
114	Variance of gametic diversity and its application in selection programs. <i>Journal of Dairy Science</i> , 2019 , 102, 5279-5294	4	12
113	Genetic and epigenetic architecture of paternal origin contribute to gestation length in cattle. <i>Communications Biology</i> , 2019 , 2, 100	6.7	21
112	Comparative analyses of sperm DNA methylomes among human, mouse and cattle provide insights into epigenomic evolution and complex traits. <i>Epigenetics</i> , 2019 , 14, 260-276	5.7	14
111	Comparison of gene editing versus conventional breeding to introgress the POLLED allele into the US dairy cattle population. <i>Journal of Dairy Science</i> , 2019 , 102, 4215-4226	4	27
110	Array CGH-based detection of CNV regions and their potential association with reproduction and other economic traits in Holsteins. <i>BMC Genomics</i> , 2019 , 20, 181	4.5	11
109	Estimating the effect of the deleterious recessive haplotypes AH1 and AH2 on reproduction performance of Ayrshire cattle. <i>Journal of Dairy Science</i> , 2019 , 102, 5315-5322	4	8
108	Genome changes due to artificial selection in U.S. Holstein cattle. <i>BMC Genomics</i> , 2019 , 20, 128	4.5	18
107	Short communication: Phenotypic and genetic effects of the polled haplotype on yield, longevity, and fertility in US Brown Swiss, Holstein, and Jersey cattle. <i>Journal of Dairy Science</i> , 2019 , 102, 8247-8250	4	2
106	Analyses of inter-individual variations of sperm DNA methylation and their potential implications in cattle. <i>BMC Genomics</i> , 2019 , 20, 888	4.5	13

105	A Vision for Development and Utilization of High-Throughput Phenotyping and Big Data Analytics in Livestock. <i>Frontiers in Genetics</i> , 2019 , 10, 1197	4.5	35
104	Modeling pedigree accuracy and uncertain parentage in single-step genomic evaluations of simulated and US Holstein datasets. <i>Journal of Dairy Science</i> , 2019 , 102, 2308-2318	4	4
103	Symposium review: Genetics, genome-wide association study, and genetic improvement of dairy fertility traits. <i>Journal of Dairy Science</i> , 2019 , 102, 3735-3743	4	37
102	Construction of PRDM9 allele-specific recombination maps in cattle using large-scale pedigree analysis and genome-wide single sperm genomics. <i>DNA Research</i> , 2018 , 25, 183-194	4.5	7
101	Invited review: Genetics and claw health: Opportunities to enhance claw health by genetic selection. <i>Journal of Dairy Science</i> , 2018 , 101, 4801-4821	4	43
100	Convergent Evolution of Slick Coat in Cattle through Truncation Mutations in the Prolactin Receptor. <i>Frontiers in Genetics</i> , 2018 , 9, 57	4.5	32
99	Including gene networks to predict calving difficulty in Holstein, Brown Swiss and Jersey cattle. <i>BMC Genetics</i> , 2018 , 19, 20	2.6	4
98	Symposium review: Possibilities in an age of genomics: The future of selection indices. <i>Journal of Dairy Science</i> , 2018 , 101, 3686-3701	4	69
97	Simulation of introgression of the allele into the Jersey breed via conventional breeding vs. gene editing. <i>Translational Animal Science</i> , 2018 , 2, S57-S60	1.4	3
96	Genetic and nongenetic profiling of milk pregnancy-associated glycoproteins in Holstein cattle. <i>Journal of Dairy Science</i> , 2018 , 101, 9987-10000	4	3
95	Evaluation of genetic components in traits related to superovulation, in vitro fertilization, and embryo transfer in Holstein cattle. <i>Journal of Dairy Science</i> , 2017 , 100, 2877-2891	4	19
94	Association of single nucleotide polymorphisms in candidate genes previously related to genetic variation in fertility with phenotypic measurements of reproductive function in Holstein cows. <i>Journal of Dairy Science</i> , 2017 , 100, 3725-3734	4	21
93	A single nucleotide polymorphism in COQ9 affects mitochondrial and ovarian function and fertility in Holstein cows. <i>Biology of Reproduction</i> , 2017 , 96, 652-663	3.9	23
92	Genomic evaluation of age at first calving. <i>Journal of Dairy Science</i> , 2017 , 100, 6853-6861	4	27
91	Dissection of additive, dominance, and imprinting effects for production and reproduction traits in Holstein cattle. <i>BMC Genomics</i> , 2017 , 18, 425	4.5	30
90	Economic considerations of breeding for polled dairy cows versus dehorning in the United States. <i>Journal of Dairy Science</i> , 2017 , 100, 4941-4952	4	16
89	Genotype imputation in a tropical crossbred dairy cattle population. <i>Journal of Dairy Science</i> , 2017 , 100, 9623-9634	4	6
88	BREEDING AND GENETICS SYMPOSIUM: Resilience of livestock to changing environments. <i>Journal of Animal Science</i> , 2017 , 95, 1777-1779	0.7	3

87	Single nucleotide variants and InDels identified from whole-genome re-sequencing of Guzerat, Gyr, Girolando and Holstein cattle breeds. <i>PLoS ONE</i> , 2017 , 12, e0173954	3.7	24
86	Genomic study and Medical Subject Headings enrichment analysis of early pregnancy rate and antral follicle numbers in Nelore heifers. <i>Journal of Animal Science</i> , 2017 , 95, 4796-4812	0.7	20
85	Selecting sequence variants to improve genomic predictions for dairy cattle. <i>Genetics Selection Evolution</i> , 2017 , 49, 32	4.9	61
84	Genomic Selection in Dairy Cattle: The USDA Experience. <i>Annual Review of Animal Biosciences</i> , 2017 , 5, 309-327	13.7	154
83	165 Genetic variants with potential loss of function in Gyr, Girolando, and Guzerat cattle breeds by resequencing. <i>Journal of Animal Science</i> , 2017 , 95, 81-81	0.7	
82	The Larson Blue coat color phenotype in Holsteins: Characteristics and effects on body temperature regulation and production in lactating cows in a hot climate. <i>Journal of Animal Science</i> , 2017 , 95, 1164	0.7	3
81	Phenotypic and genetic effects of recessive haplotypes on yield, longevity, and fertility. <i>Journal of Dairy Science</i> , 2016 , 99, 7274-7288	4	44
80	Invited review: Opportunities for genetic improvement of metabolic diseases. <i>Journal of Dairy Science</i> , 2016 , 99, 6855-6873	4	46
79	0379 Genetic analysis of superovulation and embryo transfer traits in Holstein cattle. <i>Journal of Animal Science</i> , 2016 , 94, 183-184	0.7	1
78	Benchmarking dairy herd health status using routinely recorded herd summary data. <i>Journal of Dairy Science</i> , 2016 , 99, 1298-1314	4	4
77	0306 Exploring the feasibility of using copy number variants as genetic markers through large-scale whole genome sequencing experiments. <i>Journal of Animal Science</i> , 2016 , 94, 146-146	0.7	
76	Diversity and population-genetic properties of copy number variations and multicopy genes in cattle. <i>DNA Research</i> , 2016 , 23, 253-62	4.5	46
75	Genomic selection in multi-breed dairy cattle populations. <i>Revista Brasileira De Zootecnia</i> , 2016 , 45, 195-202		5
74	Genomewide Association Study of African Children Identifies Association of SCHIP1 and PDE8A with Facial Size and Shape. <i>PLoS Genetics</i> , 2016 , 12, e1006174	6	53
73	Changes in genetic selection differentials and generation intervals in US Holstein dairy cattle as a result of genomic selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3995-4004	11.5	259
72	Use of single nucleotide polymorphisms in candidate genes associated with daughter pregnancy rate for prediction of genetic merit for reproduction in Holstein cows. <i>Animal Genetics</i> , 2016 , 47, 288-97	2.5	44
71	Explorations in genome-wide association studies and network analyses with dairy cattle fertility traits. <i>Journal of Dairy Science</i> , 2016 , 99, 6420-6435	4	33
70	Reducing animal sequencing redundancy by preferentially selecting animals with low-frequency haplotypes. <i>Journal of Dairy Science</i> , 2016 , 99, 5526-5534	4	14

69	Stochastic dynamic simulation modeling including multitrait genetics to estimate genetic, technical, and financial consequences of dairy farm reproduction and selection strategies. <i>Journal of Dairy Science</i> , 2016 , 99, 8187-8202	4	15
68	Assessment of autozygosity in Nellore cows (<i>Bos indicus</i>) through high-density SNP genotypes. <i>Frontiers in Genetics</i> , 2015 , 6, 5	4.5	43
67	Dissection of genomic correlation matrices of US Holsteins using multivariate factor analysis. <i>Journal of Animal Breeding and Genetics</i> , 2015 , 132, 9-20	2.9	9
66	Genomic signatures reveal new evidences for selection of important traits in domestic cattle. <i>Molecular Biology and Evolution</i> , 2015 , 32, 711-25	8.3	93
65	Invited review: overview of new traits and phenotyping strategies in dairy cattle with a focus on functional traits. <i>Animal</i> , 2015 , 9, 191-207	3.1	139
64	A simple strategy for managing many recessive disorders in a dairy cattle breeding program. <i>Genetics Selection Evolution</i> , 2015 , 47, 94	4.9	43
63	Single nucleotide polymorphisms associated with thermoregulation in lactating dairy cows exposed to heat stress. <i>Journal of Animal Breeding and Genetics</i> , 2015 , 132, 409-19	2.9	28
62	A genome-wide association study for clinical mastitis in first parity US Holstein cows using single-step approach and genomic matrix re-weighting procedure. <i>PLoS ONE</i> , 2015 , 10, e0114919	3.7	55
61	Genomic prediction of disease occurrence using producer-recorded health data: a comparison of methods. <i>Genetics Selection Evolution</i> , 2015 , 47, 41	4.9	3
60	Cattle Sex-Specific Recombination and Genetic Control from a Large Pedigree Analysis. <i>PLoS Genetics</i> , 2015 , 11, e1005387	6	112
59	Genome wide CNV analysis reveals additional variants associated with milk production traits in Holsteins. <i>BMC Genomics</i> , 2014 , 15, 683	4.5	63
58	Short communication: Use of young bulls in the United States. <i>Journal of Dairy Science</i> , 2014 , 97, 3213-20		23
57	Genomic selection for producer-recorded health event data in US dairy cattle. <i>Journal of Dairy Science</i> , 2014 , 97, 3190-9	4	70
56	A genome-wide association study of calf birth weight in Holstein cattle using single nucleotide polymorphisms and phenotypes predicted from auxiliary traits. <i>Journal of Dairy Science</i> , 2014 , 97, 3156-72		25
55	Development of a Lifetime Merit-based selection index for US dairy grazing systems. <i>Journal of Dairy Science</i> , 2014 , 97, 4568-78	4	6
54	The development of genomics applied to dairy breeding. <i>Livestock Science</i> , 2014 , 166, 66-75	1.7	11
53	Genomewide association study of reproductive efficiency in female cattle. <i>Journal of Animal Science</i> , 2014 , 92, 1945-57	0.7	22
52	Application of the a posteriori granddaughter design to the Holstein genome. <i>Animal</i> , 2014 , 8, 511-9	3.1	2

51	Bovine exome sequence analysis and targeted SNP genotyping of recessive fertility defects BH1, HH2, and HH3 reveal a putative causative mutation in SMC2 for HH3. <i>PLoS ONE</i> , 2014 , 9, e92769	3.7	55
50	Improvement of prediction ability for genomic selection of dairy cattle by including dominance effects. <i>PLoS ONE</i> , 2014 , 9, e103934	3.7	54
49	Accuracy of genomic predictions in Bos indicus (Nellore) cattle. <i>Genetics Selection Evolution</i> , 2014 , 46, 17	4.9	60
48	Genomic evaluation, breed identification, and discovery of a haplotype affecting fertility for Ayrshire dairy cattle. <i>Journal of Dairy Science</i> , 2014 , 97, 3878-82	4	23
47	Short communication: genetic evaluation of stillbirth in US Brown Swiss and Jersey cattle. <i>Journal of Dairy Science</i> , 2014 , 97, 2474-80	4	12
46	Genome-wide mapping of loci explaining variance in scrotal circumference in Nellore cattle. <i>PLoS ONE</i> , 2014 , 9, e88561	3.7	29
45	Genome-wide association study for birth weight in Nellore cattle points to previously described orthologous genes affecting human and bovine height. <i>BMC Genetics</i> , 2013 , 14, 52	2.6	83
44	Discovery of single nucleotide polymorphisms in candidate genes associated with fertility and production traits in Holstein cattle. <i>BMC Genetics</i> , 2013 , 14, 49	2.6	91
43	Technical note: Changes to herd cutoff date in conception rate evaluations. <i>Journal of Dairy Science</i> , 2013 , 96, 1264-8	4	1
42	Visualization of the transmission of direct genomic values for paternal and maternal chromosomes for 15 traits in US Brown Swiss, Holstein, and Jersey cattle. <i>Journal of Dairy Science</i> , 2013 , 96, 2713-2726 ⁴		5
41	Genomic imputation and evaluation using high-density Holstein genotypes. <i>Journal of Dairy Science</i> , 2013 , 96, 668-78	4	125
40	Single nucleotide polymorphisms in candidate genes associated with fertilizing ability of sperm and subsequent embryonic development in cattle. <i>Biology of Reproduction</i> , 2013 , 89, 69	3.9	36
39	Breeding and Genetics Symposium: systems biology in animal breeding: Identifying relationships among markers, genes, and phenotypes. <i>Journal of Animal Science</i> , 2013 , 91, 521-2	0.7	3
38	Fine mapping for Weaver syndrome in Brown Swiss cattle and the identification of 41 concordant mutations across NRCAM, PNPLA8 and CTTNBP2. <i>PLoS ONE</i> , 2013 , 8, e59251	3.7	12
37	Effect of artificial selection on runs of homozygosity in u.s. Holstein cattle. <i>PLoS ONE</i> , 2013 , 8, e80813	3.7	114
36	Identification of a nonsense mutation in CWC15 associated with decreased reproductive efficiency in Jersey cattle. <i>PLoS ONE</i> , 2013 , 8, e54872	3.7	71
35	Genome-wide association mapping for identification of quantitative trait loci for rectal temperature during heat stress in Holstein cattle. <i>PLoS ONE</i> , 2013 , 8, e69202	3.7	64
34	Heritability of rectal temperature and genetic correlations with production and reproduction traits in dairy cattle. <i>Journal of Dairy Science</i> , 2012 , 95, 3401-5	4	56

33	Effect of sample stratification on dairy GWAS results. <i>BMC Genomics</i> , 2012 , 13, 536	4.5	28
32	Short communication: Projecting milk yield using best prediction and the MilkBot lactation model. <i>Journal of Dairy Science</i> , 2012 , 95, 4041-4	4	7
31	Incidence validation and relationship analysis of producer-recorded health event data from on-farm computer systems in the United States. <i>Journal of Dairy Science</i> , 2012 , 95, 5422-5435	4	29
30	Breeding and Genetics Symposium: really big data: processing and analysis of very large data sets. <i>Journal of Animal Science</i> , 2012 , 90, 723-33	0.7	22
29	Genomic inbreeding and relationships among Holsteins, Jerseys, and Brown Swiss. <i>Journal of Dairy Science</i> , 2011 , 94, 5673-82	4	82
28	Short communication: best prediction of 305-day lactation yields with regional and seasonal effects. <i>Journal of Dairy Science</i> , 2011 , 94, 1601-4	4	8
27	Technical note: adjustment of traditional cow evaluations to improve accuracy of genomic predictions. <i>Journal of Dairy Science</i> , 2011 , 94, 6188-93	4	51
26	Use of haplotypes to estimate Mendelian sampling effects and selection limits. <i>Journal of Animal Breeding and Genetics</i> , 2011 , 128, 446-55	2.9	23
25	Genome-wide association analysis of thirty one production, health, reproduction and body conformation traits in contemporary U.S. Holstein cows. <i>BMC Genomics</i> , 2011 , 12, 408	4.5	245
24	Genetic parameters of milk ELISA scores for Johne's disease. <i>Journal of Dairy Science</i> , 2010 , 93, 1729-35	4	27
23	Visualization of results from genomic evaluations. <i>Journal of Dairy Science</i> , 2010 , 93, 2727-40	4	13
22	Best prediction of yields for long lactations. <i>Journal of Dairy Science</i> , 2009 , 92, 1796-810	4	22
21	Genetic and environmental factors that affect gestation length in dairy cattle. <i>Journal of Dairy Science</i> , 2009 , 92, 2259-69	4	78
20	Phenotypic and genetic relationships of common health disorders with milk and fat yield persistencies from producer-recorded health data and test-day yields. <i>Journal of Dairy Science</i> , 2009 , 92, 1785-95	4	33
19	Impact of genetic merit for milk somatic cell score of sires and maternal grandsires on herd life of their daughters. <i>Journal of Dairy Science</i> , 2009 , 92, 2224-8	4	3
18	Distribution and location of genetic effects for dairy traits. <i>Journal of Dairy Science</i> , 2009 , 92, 2931-46	4	186
17	Genetic evaluation of lactation persistency for five breeds of dairy cattle. <i>Journal of Dairy Science</i> , 2009 , 92, 2248-58	4	36
16	Multiparity evaluation of calving ease and stillbirth with separate genetic effects by parity. <i>Journal of Dairy Science</i> , 2008 , 91, 3173-8	4	5

15	PyPedal: A computer program for pedigree analysis. <i>Computers and Electronics in Agriculture</i> , 2007 , 57, 107-113	6.5	22
14	Genetic evaluation of stillbirth in United States Holsteins using a sire-maternal grandsire threshold model. <i>Journal of Dairy Science</i> , 2007 , 90, 2480-8	4	25
13	Stillbirth (co)variance components for a sire-maternal grandsire threshold model and development of a calving ability index for sire selection. <i>Journal of Dairy Science</i> , 2007 , 90, 2489-96	4	30
12	Temperature-humidity indices as indicators of milk production losses due to heat stress. <i>Journal of Dairy Science</i> , 2007 , 90, 1947-56	4	319
11	Genetic evaluations for mixed-breed populations. <i>Journal of Dairy Science</i> , 2007 , 90, 2434-41	4	34
10	Phenotypic relationships of common health disorders in dairy cows to lactation persistency estimated from daily milk weights. <i>Journal of Dairy Science</i> , 2007 , 90, 4424-34	4	21
9	Genetic evaluation and best prediction of lactation persistency. <i>Journal of Dairy Science</i> , 2006 , 89, 2722-8	4	41
8	Genetic evaluation of calving ease for Brown Swiss and Jersey bulls from purebred and crossbred calvings. <i>Journal of Dairy Science</i> , 2005 , 88, 1529-39	4	25
7	Population structure of a colony of dog guides. <i>Journal of Animal Science</i> , 2004 , 82, 2906-12	0.7	20
6	Tropospheric Ozone in Louisiana and Synoptic Circulation. <i>Journal of Applied Meteorology and Climatology</i> , 2004 , 43, 1438-1451		9
5	Productive life and reasons for disposal of Holstein cows selected for large versus small body size. <i>Journal of Dairy Science</i> , 1999 , 82, 795-801	4	48
4	Management of Mendelian Traits in Breeding Programs by Gene Editing: A Simulation Study		3
3	A comprehensive catalogue of regulatory variants in the cattle transcriptome		6
2	Fast Bayesian fine-mapping of 35 production, reproduction and body conformation traits in dairy cattle		6
1	Truncation of IFT80 causes early embryonic loss in cattle		2