Susan E Johnston

List of Publications by Year
in descending order

36	2,570	361413 20	361022 35
papers	citations	h-index	g-index

50	50	50	3078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genomic prediction in the wild: A case study in Soay sheep. Molecular Ecology, 2022, 31, 6541-6555.	3.9	14
2	Associations between MHC class II variation and phenotypic traits in a freeâ€living sheep population. Molecular Ecology, 2022, 31, 902-915.	3.9	2
3	Genomic analysis reveals a polygenic architecture of antler morphology in wild red deer (Cervus) Tj ETQq1 1 0.784314 rgBT /Overl	3.9	10
4	Contemporary selection on MHC genes in a freeâ€living ruminant population. Ecology Letters, 2022, 25, 828-838.	6.4	6
5	Vitamin D status is heritable and under environmentâ€dependent selection in the wild. Molecular Ecology, 2022, 31, 4607-4621.	3.9	3
6	Using genomic prediction to detect microevolutionary change of a quantitative trait. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220330.	2.6	8
7	Recombination rates in pigs differ between breeds, sexes and individuals, and are associated with the RNF212, SYCP2, PRDM7, MEI1 and MSH4 loci. Genetics Selection Evolution, 2022, 54, .	3.0	6
8	Genetic architecture and lifetime dynamics of inbreeding depression in a wild mammal. Nature Communications, 2021, 12, 2972.	12.8	58
9	Mutation load decreases with haplotype age in wild Soay sheep. Evolution Letters, 2021, 5, 187-195.	3.3	29
10	MHC class IIa haplotypes derived by high-throughput SNP screening in an isolated sheep population. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	3
11	Captive-bred Atlantic salmon released into the wild have fewer offspring than wild-bred fish and decrease population productivity. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201671.	2.6	30
12	Maternally derived anti-helminth antibodies predict offspring survival in a wild mammal. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201931.	2.6	9
13	The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (Ovis aries). PLoS Genetics, 2019, 15, e1008461.	3.5	26
14	Evolutionary stasis of a heritable morphological trait in a wild fish population despite apparent directional selection. Ecology and Evolution, 2019, 9, 7096-7111.	1.9	14
15	Home ground advantage: Local Atlantic salmon have higher reproductive fitness than dispersers in the wild. Science Advances, 2019, 5, eaav1112.	10.3	37
16	Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. American Naturalist, 2018, 192, 745-760.	2.1	25
17	A Genomic Region Containing REC8 and RNF212B Is Associated with Individual Recombination Rate Variation in a Wild Population of Red Deer (Cervus elaphus). G3: Genes, Genomes, Genetics, 2018, 8, 2265-2276.	1.8	36
18	Recombination: the good, the bad and the variable. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20170279.	4.0	39

#	Article	IF	Citations
19	Variation in recombination frequency and distribution across eukaryotes: patterns and processes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160455.	4.0	306
20	A High-Density Linkage Map Reveals Sexual Dimorphism in Recombination Landscapes in Red Deer (Cervus elaphus). G3: Genes, Genomes, Genetics, 2017, 7, 2859-2870.	1.8	57
21	The potential of shifting recombination hotspots to increase genetic gain in livestock breeding. Genetics Selection Evolution, 2017, 49, 55.	3.0	18
22	Effect of manipulating recombination rates on response to selection in livestock breeding programs. Genetics Selection Evolution, 2016, 48, 44.	3.0	33
23	Conserved Genetic Architecture Underlying Individual Recombination Rate Variation in a Wild Population of Soay Sheep (Ovis aries). Genetics, 2016, 203, 583-598.	2.9	144
24	Evolutionary mysteries in meiosis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160001.	4.0	110
25	Low but significant genetic differentiation underlies biologically meaningful phenotypic divergence in a large Atlantic salmon population. Molecular Ecology, 2015, 24, 5158-5174.	3.9	45
26	Sex-dependent dominance at a single locus maintains variation in age at maturity in salmon. Nature, 2015, 528, 405-408.	27.8	527
27	Genomeâ€wide <scp>SNP</scp> analysis reveals a genetic basis for seaâ€age variation in a wild population of <scp>A</scp>tlantic salmon (<scp>S</scp>almo salar). Molecular Ecology, 2014, 23, 3452-3468.	3.9	96
28	Molecular pedigree reconstruction and estimation of evolutionary parameters in a wild Atlantic salmon river system with incomplete sampling: a power analysis. BMC Evolutionary Biology, 2014, 14, 68.	3.2	19
29	Fish scales and SNP chips: SNP genotyping and allele frequency estimation in individual and pooled DNA from historical samples of Atlantic salmon (Salmo salar). BMC Genomics, 2013, 14, 439.	2.8	32
30	Life history trade-offs at a single locus maintain sexually selected genetic variation. Nature, 2013, 502, 93-95.	27.8	296
31	Molecular evolutionary and population genomic analysis of the nineâ€spined stickleback using a modified restrictionâ€siteâ€associated <scp>DNA</scp> tag approach. Molecular Ecology, 2013, 22, 565-582.	3.9	85
32	Genomeâ€wide association mapping identifies the genetic basis of discrete and quantitative variation in sexual weaponry in a wild sheep population. Molecular Ecology, 2011, 20, 2555-2566.	3.9	217
33	Genome mapping in intensively studied wild vertebrate populations. Trends in Genetics, 2010, 26, 275-284.	6.7	85
34	Horn type and horn length genes map to the same chromosomal region in Soay sheep. Heredity, 2010, 104, 196-205.	2.6	49
35	Butterfly speciation and the distribution of gene effect sizes fixed during adaptation. Heredity, 2009, 102, 57-65.	2.6	46
36	The genome sequence of the red deer, Cervus elaphus Linnaeus 1758. Wellcome Open Research, 0, 6, 336.	1.8	7