

# Arne B Gjuvslund

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

2,151  
citations

516710

16  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine Mapping of a Major Backfat QTL Reveals a Causal Regulatory Variant Affecting the CCND2 Gene. <i>Frontiers in Genetics</i> , 2022, 13, .	2.3	9
2	SALARECON connects the Atlantic salmon genome to growth and feed efficiency. <i>PLoS Computational Biology</i> , 2022, 18, e1010194.	3.2	4
3	Accuracy of genomic prediction of maternal traits in pigs using Bayesian variable selection methods. <i>Journal of Animal Breeding and Genetics</i> , 2022, 139, 654-665.	2.0	2
4	Accelerated discovery of functional genomic variation in pigs. <i>Genomics</i> , 2021, 113, 2229-2239.	2.9	16
5	Meta-analysis for milk fat and protein percentage using imputed sequence variant genotypes in 94,321 cattle from eight cattle breeds. <i>Genetics Selection Evolution</i> , 2020, 52, 37.	3.0	41
6	Loss of function mutations in essential genes cause embryonic lethality in pigs. <i>PLoS Genetics</i> , 2019, 15, e1008055.	3.5	46
7	Level-biases in estimated breeding values due to the use of different SNP panels over time in ssGBLUP. <i>Genetics Selection Evolution</i> , 2019, 51, 76.	3.0	6
8	Lifeâ€stageâ€associated remodelling of lipid metabolism regulation in Atlantic salmon. <i>Molecular Ecology</i> , 2018, 27, 1200-1213.	3.9	35
9	Disentangling genetic and epigenetic determinants of ultrafast adaptation. <i>Molecular Systems Biology</i> , 2016, 12, 892.	7.2	9
10	The Atlantic salmon genome provides insights into rediploidization. <i>Nature</i> , 2016, 533, 200-205.	27.8	1,021
11	Towards causally cohesive genotypeâ€phenotype modelling for characterization of the soft-tissue mechanics of the heart in normal and pathological geometries. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141166.	3.4	2
12	Concerted Evolution of Life Stage Performances Signals Recent Selection on Yeast Nitrogen Use. <i>Molecular Biology and Evolution</i> , 2015, 32, 153-161.	8.9	86
13	A computational pipeline for quantification of mouse myocardial stiffness parameters. <i>Computers in Biology and Medicine</i> , 2014, 53, 65-75.	7.0	13
14	Bridging the genotypeâ€phenotype gap: what does it take?. <i>Journal of Physiology</i> , 2013, 591, 2055-2066.	2.9	62
15	Propagation of genetic variation in gene regulatory networks. <i>Physica D: Nonlinear Phenomena</i> , 2013, 256-257, 7-20.	2.8	5
16	Effect of Regulatory Architecture on Broad versus Narrow Sense Heritability. <i>PLoS Computational Biology</i> , 2013, 9, e1003053.	3.2	6
17	Ancient Evolutionary Trade-Offs between Yeast Ploidy States. <i>PLoS Genetics</i> , 2013, 9, e1003388.	3.5	85
18	Monotonicity is a key feature of genotype-phenotype maps. <i>Frontiers in Genetics</i> , 2013, 4, 216.	2.3	19

#	ARTICLE	IF	CITATIONS
19	Life History Shapes Trait Heredity by Accumulation of Loss-of-Function Alleles in Yeast. <i>Molecular Biology and Evolution</i> , 2012, 29, 1781-1789.	8.9	76
20	Parameters in Dynamic Models of Complex Traits are Containers of Missing Heritability. <i>PLoS Computational Biology</i> , 2012, 8, e1002459.	3.2	24
21	Genotype-phenotype map characteristics of an in silico heart cell. <i>Frontiers in Physiology</i> , 2011, 2, 106.	2.8	16
22	Hierarchical Cluster-based Partial Least Squares Regression (HC-PLSR) is an efficient tool for metamodelling of nonlinear dynamic models. <i>BMC Systems Biology</i> , 2011, 5, 90.	3.0	48
23	Trait Variation in Yeast Is Defined by Population History. <i>PLoS Genetics</i> , 2011, 7, e1002111.	3.5	311
24	Screening design for computer experiments: metamodelling of a deterministic mathematical model of the mammalian circadian clock. <i>Journal of Chemometrics</i> , 2010, 24, 738-747.	1.3	13
25	Allele Interaction "Single Locus Genetics Meets Regulatory Biology. <i>PLoS ONE</i> , 2010, 5, e9379.	2.5	19
26	When Parameters in Dynamic Models Become Phenotypes: A Case Study on Flesh Pigmentation in the Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Genetics</i> , 2008, 179, 1113-1118.	2.9	19
27	Statistical Epistasis Is a Generic Feature of Gene Regulatory Networks. <i>Genetics</i> , 2007, 175, 411-420.	2.9	99
28	Nonlinear regulation enhances the phenotypic expression of trans-acting genetic polymorphisms. <i>BMC Systems Biology</i> , 2007, 1, 32.	3.0	12
29	Threshold-dominated regulation hides genetic variation in gene expression networks. <i>BMC Systems Biology</i> , 2007, 1, 57.	3.0	34
30	Genetically controlled mtDNA deletions prevent ROS damage by arresting oxidative phosphorylation. <i>ELife</i> , 0, 11, .	6.0	9