

# Roberta Davoli

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

524  
citations

840776

11  
h-index

677142

22  
g-index

32  
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32  
docs citations

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times ranked

656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of differentially expressed genes in broiler pectoralis major muscle affected by White Striping “ Wooden Breast myopathies. <i>Poultry Science</i> , 2016, 95, 2771-2785.	3.4	134
2	Molecular approaches in pig breeding to improve meat quality. <i>Briefings in Functional Genomics &amp; Proteomics</i> , 2008, 6, 313-321.	3.8	59
3	A gene and protein expression study on four porcine genes related to intramuscular fat deposition. <i>Meat Science</i> , 2016, 121, 27-32.	5.5	32
4	Distribution and Expression of Vimentin and Desmin in Broiler Pectoralis major Affected by the Growth-Related Muscular Abnormalities. <i>Frontiers in Physiology</i> , 2019, 10, 1581.	2.8	27
5	New SNP of the porcine Perilipin 2 (PLIN2) gene, association with carcass traits and expression analysis in skeletal muscle. <i>Molecular Biology Reports</i> , 2011, 38, 1575-1583.	2.3	26
6	A single nucleotide polymorphism in the porcine cathepsin K (CTSK) gene is associated with back fat thickness and production traits in Italian Duroc pigs. <i>Molecular Biology Reports</i> , 2010, 37, 491-495.	2.3	25
7	Muscle transcriptome analysis identifies genes involved in ciliogenesis and the molecular cascade associated with intramuscular fat content in Large White heavy pigs. <i>PLoS ONE</i> , 2020, 15, e0233372.	2.5	25
8	Weighted gene co-expression network analysis identifies molecular pathways and hub genes involved in broiler White Striping and Wooden Breast myopathies. <i>Scientific Reports</i> , 2021, 11, 1776.	3.3	21
9	Association study between backfat fatty acid composition and SNPs in candidate genes highlights the effect of FASN polymorphism in large white pigs. <i>Meat Science</i> , 2019, 156, 75-84.	5.5	18
10	A new approach in association study of single nucleotide polymorphism of genes for carcass and meat quality traits in commercial pigs. <i>Italian Journal of Animal Science</i> , 2004, 3, 177-189.	1.9	15
11	Effect of diets supplemented with linseed alone or combined with vitamin E and selenium or with plant extracts, on Longissimus thoracis transcriptome in growing-finishing Italian Large White pigs. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 81.	5.3	12
12	SNPs of MYPN and TTN genes are associated to meat and carcass traits in Italian Large White and Italian Duroc pigs. <i>Molecular Biology Reports</i> , 2013, 40, 6927-6933.	2.3	11
13	Effect of dietary polyunsaturated fatty acid and antioxidant supplementation on the transcriptional level of genes involved in lipid and energy metabolism in swine. <i>PLoS ONE</i> , 2018, 13, e0204869.	2.5	11
14	Genetic parameters of muscle fatty acid profile in a purebred Large White heavy pig population. <i>Meat Science</i> , 2020, 163, 108057.	5.5	11
15	Association study between single nucleotide polymorphisms in porcine genes and pork quality traits for fresh consumption and processing into Italian dry-cured ham. <i>Meat Science</i> , 2017, 126, 73-81.	5.5	10
16	Fatty acid composition of the intramuscular fat in the longissimus thoracis muscle of Apulo-Calabrese and crossbred pigs. <i>Livestock Science</i> , 2020, 232, 103878.	1.6	10
17	Comparison of expression levels of fourteen genes involved in the lipid and energy metabolism in two pig breeds. <i>Livestock Science</i> , 2015, 181, 156-162.	1.6	8
18	Dissecting the Gene Expression Networks Associated with Variations in the Major Components of the Fatty Acid Semimembranosus Muscle Profile in Large White Heavy Pigs. <i>Animals</i> , 2021, 11, 628.	2.3	8

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19	Association between the splice mutation g.8283C>A of the PHKG1 gene and meat quality traits in Large White pigs. <i>Meat Science</i> , 2019, 148, 38-40.	5.5	7
20	Isolation and localization of the skeletal myosin heavy chain 2X gene on pig chromosome 12q1.4-q1.5. <i>Mammalian Genome</i> , 1998, 9, 412-413.	2.2	6
21	Investigation of SNPs in the ATP1A2, CA3 and DECR1 genes mapped to porcine chromosome 4: analysis in groups of pigs divergent for meat production and quality traits. <i>Italian Journal of Animal Science</i> , 2006, 5, 249-263.	1.9	6
22	Association and expression analysis of porcine ACLY gene related to growth and carcass quality traits in Italian Large White and Italian Duroc breeds. <i>Livestock Science</i> , 2014, 165, 1-7.	1.6	6
23	Functional analysis finds differences on the muscle transcriptome of pigs fed an n-3 PUFA-enriched diet with or without antioxidant supplementations. <i>PLoS ONE</i> , 2019, 14, e0212449.	2.5	6
24	Relationships between EUROP carcass grading and backfat fatty acid composition in Italian Large White heavy pigs. <i>Meat Science</i> , 2021, 171, 108291.	5.5	5
25	Investigating the Features of PDO Green Hams during Salting: Insights for New Markers and Genomic Regions in Commercial Hybrid Pigs. <i>Animals</i> , 2021, 11, 68.	2.3	5
26	Describing backfat and Semimembranosus muscle fatty acid variability in heavy pigs: Analysis of non-genetic factors. <i>Meat Science</i> , 2022, 183, 108645.	5.5	4
27	A molecular insight into the lipid changes of pig Longissimus thoracis muscle following dietary supplementation with functional ingredients. <i>PLoS ONE</i> , 2022, 17, e0264953.	2.5	4
28	Molecular Pathways and Key Genes Associated With Breast Width and Protein Content in White Striping and Wooden Breast Chicken Pectoral Muscle. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	4
29	Skeletal muscle expression analysis of fat metabolism genes in pig. <i>Italian Journal of Animal Science</i> , 2009, 8, 171-173.	1.9	3
30	Identification of differentially expressed genes in early-postmortem Semimembranosus muscle of Italian Large White heavy pigs divergent for glycolytic potential. <i>Meat Science</i> , 2022, 187, 108754.	5.5	3
31	Transcriptome analysis of skeletal muscle tissue to identify genes involved in pre-slaughter stress response in pigs. <i>Italian Journal of Animal Science</i> , 2009, 8, 69-71.	1.9	2
32	Genetic parameters and analysis of factors affecting variations between backfat and Semimembranosus muscle fatty acid composition in heavy pigs. <i>Meat Science</i> , 2022, 188, 108775.	5.5	0