

Bianca Castiglioni

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96
papers

2,005
citations

29
h-index

42
g-index

99
ext. papers

2,398
ext. citations

3.8
avg, IF

4.09
L-index

#	Paper	IF	Citations
96	Stearoyl-coenzyme A desaturase gene polymorphism and milk fatty acid composition in Italian Holsteins. <i>Journal of Dairy Science</i> , 2007 , 90, 4458-65	4	116
95	Technical note: Improved method for rapid DNA extraction of mastitis pathogens directly from milk. <i>Journal of Dairy Science</i> , 2006 , 89, 163-9	4	100
94	Development of a universal microarray based on the ligation detection reaction and 16S rRNA gene polymorphism to target diversity of cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 7161-72	4.8	100
93	Development of a multiplex PCR assay for the identification of <i>Staphylococcus aureus</i> enterotoxigenic strains isolated from milk and dairy products. <i>Molecular and Cellular Probes</i> , 2005 , 19, 299-305	3.3	86
92	A procedure for olive oil traceability and authenticity: DNA extraction, multiplex PCR and LDR universal array analysis. <i>European Food Research and Technology</i> , 2008 , 227, 1429-1438	3.4	79
91	Detection of classical enterotoxins and identification of enterotoxin genes in <i>Staphylococcus aureus</i> from milk and dairy products. <i>Veterinary Microbiology</i> , 2007 , 124, 66-72	3.3	78
90	Chromosomal localization and molecular characterization of 53 cosmid-derived bovine microsatellites. <i>Mammalian Genome</i> , 1995 , 6, 629-35	3.2	60
89	Diacylglycerol acyltransferase 1, stearoyl-CoA desaturase 1, and sterol regulatory element binding protein 1 gene polymorphisms and milk fatty acid composition in Italian Brown cattle. <i>Journal of Dairy Science</i> , 2010 , 93, 753-63	4	57
88	Detection of enterotoxigenic <i>Staphylococcus aureus</i> isolates in raw milk cheese. <i>Letters in Applied Microbiology</i> , 2007 , 45, 586-91	2.9	53
87	Advances in DNA Microarray Technology for the Detection of Foodborne Pathogens. <i>Food and Bioprocess Technology</i> , 2011 , 4, 936-953	5.1	52
86	Relationships between somatic cell count and intramammary infection in buffaloes. <i>Journal of Dairy Science</i> , 2006 , 89, 998-1003	4	52
85	Identification of hepatotoxin-producing cyanobacteria by DNA-chip. <i>Environmental Microbiology</i> , 2008 , 10, 653-64	5.2	48
84	Characterization of <i>Staphylococcus aureus</i> strains isolated from Italian dairy products by MALDI-TOF mass fingerprinting. <i>Electrophoresis</i> , 2012 , 33, 2355-64	3.6	45
83	High taxonomic level fingerprint of the human intestinal microbiota by ligase detection reaction--universal array approach. <i>BMC Microbiology</i> , 2010 , 10, 116	4.5	45
82	Isolates from Bovine Mastitis in Eight Countries: Genotypes, Detection of Genes Encoding Different Toxins and Other Virulence Genes. <i>Toxins</i> , 2018 , 10,	4.9	44
81	Olive variety identification by ligation detection reaction in a universal array format. <i>Journal of Biotechnology</i> , 2007 , 129, 565-74	3.7	44
80	Milk microbiome diversity and bacterial group prevalence in a comparison between healthy Holstein Friesian and Rendena cows. <i>PLoS ONE</i> , 2018 , 13, e0205054	3.7	40

79	Bacterial discrimination by means of a universal array approach mediated by LDR (ligase detection reaction). <i>BMC Microbiology</i> , 2002 , 2, 27	4.5	39
78	Strengthening insights into host responses to mastitis infection in ruminants by combining heterogeneous microarray data sources. <i>BMC Genomics</i> , 2011 , 12, 225	4.5	38
77	What we have lost: Mastitis resistance in Holstein Friesians and in a local cattle breed. <i>Research in Veterinary Science</i> , 2018 , 116, 88-98	2.5	38
76	Response of the goat mammary gland to infection with <i>Staphylococcus aureus</i> revealed by gene expression profiling in milk somatic and white blood cells. <i>BMC Genomics</i> , 2012 , 13, 540	4.5	35
75	Detection and quantitation of genetically modified maize (Bt-176 transgenic maize) by applying ligation detection reaction and universal array technology. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 1049-54	5.7	35
74	Common bean (<i>Phaseolus vulgaris</i> L.) PvTIFY orchestrates global changes in transcript profile response to jasmonate and phosphorus deficiency. <i>BMC Plant Biology</i> , 2013 , 13, 26	5.3	34
73	Development of a single nucleotide polymorphism genotyping microarray platform for the identification of bovine milk protein genetic polymorphisms. <i>Journal of Dairy Science</i> , 2007 , 90, 451-64	4	34
72	The mechanisms responsible for 2-dimensional pattern formation in bacterial macrofiber populations grown on solid surfaces: fiber joining and the creation of exclusion zones. <i>BMC Microbiology</i> , 2002 , 2, 1	4.5	33
71	Pathogen detection in milk samples by ligation detection reaction-mediated universal array method. <i>Journal of Dairy Science</i> , 2009 , 92, 3027-39	4	31
70	Cosmid-derived markers anchoring the bovine genetic map to the physical map. <i>Mammalian Genome</i> , 1997 , 8, 29-36	3.2	31
69	Development of a Droplet Digital Polymerase Chain Reaction for Rapid and Simultaneous Identification of Common Foodborne Pathogens in Soft Cheese. <i>Frontiers in Microbiology</i> , 2016 , 7, 1725	5.7	31
68	Characterization of <i>Staphylococcus aureus</i> isolated from chronically infected dairy goats. <i>Journal of Dairy Science</i> , 2005 , 88, 3500-9	4	30
67	A structured chitosan-based platform for biomolecule attachment to solid surfaces: application to DNA microarray preparation. <i>Bioconjugate Chemistry</i> , 2006 , 17, 371-7	6.3	28
66	Detection of HLA polymorphisms by ligase detection reaction and a universal array format: a pilot study for low resolution genotyping. <i>Human Immunology</i> , 2003 , 64, 168-78	2.3	26
65	Development of 23 individual TaqMan [®] real-time PCR assays for identifying common foodborne pathogens using a single set of amplification conditions. <i>Food Microbiology</i> , 2014 , 43, 35-40	6	25
64	Differentially expressed genes associated with <i>Staphylococcus aureus</i> mastitis in dairy goats. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 135, 208-17	2	24
63	Molecular typing of <i>Staphylococcus aureus</i> isolated from cows, goats and sheep with intramammary infections on the basis of gene polymorphisms and toxins genes. <i>Zoonoses and Public Health</i> , 2006 , 53, 423-8		24
62	Polymorphism analysis within the HLA-A locus by universal oligonucleotide array. <i>Human Mutation</i> , 2004 , 24, 428-34	4.7	24

61	Development of a pentaplex PCR assay for the simultaneous detection of <i>Streptococcus thermophilus</i> , <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> , <i>L. delbrueckii</i> subsp. <i>lactis</i> , <i>L. helveticus</i> , <i>L. fermentum</i> in whey starter for Grana Padano cheese. <i>International Journal of Food Microbiology</i> , 2011 , 146, 207-11	5.8	21
60	Development of a triplex real-time PCR assay for the simultaneous detection of <i>Clostridium beijerinckii</i> , <i>Clostridium sporogenes</i> and <i>Clostridium tyrobutyricum</i> in milk. <i>Anaerobe</i> , 2015 , 34, 44-9	2.8	20
59	Two efficient polymeric chemical platforms for oligonucleotide microarray preparation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 561-80	1.4	20
58	Clonal diversity, virulence-associated genes and antimicrobial resistance profile of <i>Staphylococcus aureus</i> isolates from nasal cavities and soft tissue infections in wild ruminants in Italian Alps. <i>Veterinary Microbiology</i> , 2014 , 170, 157-61	3.3	18
57	ORMA: a tool for identification of species-specific variations in 16S rRNA gene and oligonucleotides design. <i>Nucleic Acids Research</i> , 2009 , 37, e109	20.1	16
56	Comparative mapping of the prion gene (PRNP) locus in cattle, sheep and human with PCR-generated probes. <i>Mammalian Genome</i> , 1998 , 9, 853-5	3.2	16
55	In vitro evaluation of antimicrobial and antioxidant activities of algal extracts. <i>Italian Journal of Animal Science</i> , 2020 , 19, 103-113	2.2	15
54	Genome sequence and analysis of <i>Lactobacillus helveticus</i> . <i>Frontiers in Microbiology</i> , 2012 , 3, 435	5.7	14
53	Evaluation of internal reference genes for quantitative expression analysis by real-time reverse transcription-PCR in somatic cells from goat milk. <i>Journal of Dairy Science</i> , 2013 , 96, 7932-44	4	13
52	Detection and characterization of pathogenic vibrios in shellfish by a Ligation Detection Reaction-Universal Array approach. <i>International Journal of Food Microbiology</i> , 2012 , 153, 474-82	5.8	13
51	Six antimicrobial peptide genes of the cathelicidin family map to bovine chromosome 22q24 by fluorescence in situ hybridization. <i>Cytogenetic and Genome Research</i> , 1996 , 75, 240-2	1.9	13
50	Cross-species conservation of SEL1L, a human pancreas-specific expressing gene. <i>OMICS A Journal of Integrative Biology</i> , 2002 , 6, 187-98	3.8	12
49	Comprehensive analysis of <i>Salmonella</i> sequence polymorphisms and development of a LDR-UA assay for the detection and characterization of selected serotypes. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 189-210	5.7	11
48	Development of DNA extraction and PCR amplification protocols for detection of <i>Mycoplasma bovis</i> directly from milk samples. <i>Veterinary Research Communications</i> , 2007 , 31 Suppl 1, 225-7	2.9	11
47	Technical note: Identification of <i>Prototheca</i> species from bovine milk samples by PCR-single strand conformation polymorphism. <i>Journal of Dairy Science</i> , 2012 , 95, 6963-8	4	10
46	Isolation and molecular characterization of rasfadin, a novel gene in the vicinity of the bovine prion gene. <i>Mammalian Genome</i> , 2001 , 12, 150-6	3.2	9
45	Investigation of the multiple anchors approach in oligonucleotide microarray preparation using linear and stem-loop structured probes. <i>Nucleic Acids Research</i> , 2002 , 30, E34-4	20.1	9
44	Transcript profiling of common bean nodules subjected to oxidative stress. <i>Physiologia Plantarum</i> , 2013 , 149, 389-407	4.6	8

43	Characterization of Bacterial Microbiota Composition along the Gastrointestinal Tract in Rabbits. <i>Animals</i> , 2020 , 11,	3.1	8
42	Identification of virulence factors in 16S-23S rRNA intergenic spacer genotyped <i>Staphylococcus aureus</i> isolated from water buffaloes and small ruminants. <i>Journal of Dairy Science</i> , 2013 , 96, 7666-74	4	7
41	The Role of Innate Immune Response and Microbiome in Resilience of Dairy Cattle to Disease: The Mastitis Model. <i>Animals</i> , 2020 , 10,	3.1	7
40	Cytogenetic investigation in two endangered pig breeds raised in Southern-Italy: Clinical and environmental aspects. <i>Livestock Science</i> , 2018 , 216, 36-43	1.7	5
39	Surface-activated chemical ionization and cation exchange chromatography for the analysis of enterotoxin A. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 1482-8	2.2	5
38	A Randomized Controlled Trial of Teat-Sealant and Antibiotic Dry-Cow Treatments for Mastitis Prevention Shows Similar Effect on the Healthy Milk Microbiome. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 581	3.1	5
37	SNP identification in swine candidate genes for meat quality. <i>Livestock Science</i> , 2013 , 155, 165-171	1.7	4
36	Characterization and mapping of three bovine polymorphic microsatellite loci. <i>Animal Genetics</i> , 1996 , 27, 121	2.5	4
35	Microarray analysis of gene expression of milk leukocytes in healthy goats. <i>Veterinary Research Communications</i> , 2008 , 32 Suppl 1, S219-21	2.9	4
34	Apolipoprotein E and transferrin genotyping by ligation detection reaction and universal array. <i>Clinical Chemistry</i> , 2003 , 49, 1537-40	5.5	4
33	Involvement of tyrosinase-related protein 1 gene in the light brown plumage phenotype of Falco cherrug. <i>Animal Genetics</i> , 2017 , 48, 125-126	2.5	3
32	Transcriptome analysis to identify differential gene expression affecting meat quality in heavy Italian pigs. <i>Animal Genetics</i> , 2011 , 42, 161-71	2.5	3
31	Physical mapping of connexin 32 (GJB1) and 43 (GJA1) genes to bovine chromosomes Xq22 and 9q15/16 by fluorescence in situ hybridization. <i>Mammalian Genome</i> , 1996 , 7, 634-5	3.2	3
30	Dietary Supplementation with Goji Berries (Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.. <i>Animals</i> , 2022 , 12,	3.1	3
29	Technical note: Development of multiplex PCR assays for the molecular characterization of <i>Streptococcus uberis</i> strains isolated from bovine mastitis. <i>Journal of Dairy Science</i> , 2020 , 103, 915-921	4	3
28	Genotyping and Antimicrobial Susceptibility Profiling of Isolated from a Clinical Bovine Mastitis Outbreak in a Dairy Farm. <i>Antibiotics</i> , 2021 , 10,	4.9	3
27	Raw Milk Microbiota Modifications as Affected by Chlorine Usage for Cleaning Procedures: The Trentingrana PDO Case. <i>Frontiers in Microbiology</i> , 2020 , 11, 564749	5.7	2
26	A tool based on Ligation Detection Reaction-Universal Array (LDR-UA) for the characterization of VTEC by identification of virulence-associated and serogroup-specific genes. <i>Molecular and Cellular Probes</i> , 2011 , 25, 35-43	3.3	2

25	Microarray analyses to identify differentially expressed genes for assessing meat quality in swine. <i>Italian Journal of Animal Science</i> , 2007 , 6, 144-146	2.2	2
24	Development of a microarray platform for detection of milk pathogens: preliminary results. <i>Veterinary Research Communications</i> , 2008 , 32 Suppl 1, S187-9	2.9	2
23	Identification of Enterotoxin Genes in Staphylococcus aureus Isolates from Bovine and Caprine Milk. <i>Veterinary Research Communications</i> , 2006 , 30, 241-243	2.9	2
22	Effect of Linseeds and Hemp Seeds on Milk Production, Energy and Nitrogen Balance, and Methane Emissions in the Dairy Goat. <i>Animals</i> , 2021 , 11,	3.1	2
21	Physical and genetic mapping of two polymorphic bovine dinucleotide repeats: IOBT450 (D6S31) and IDVGA80 (D2S46). <i>Animal Genetics</i> , 1996 , 27, 377-8	2.5	1
20	Array Platform for Food Safety and Quality 2012 , 13-56		1
19	Polymorphisms in swine candidate genes for meat quality detected by PCR-SSCP. <i>Italian Journal of Animal Science</i> , 2009 , 8, 129-131	2.2	1
18	A method based on the ligation detection reaction–universal array (LDR–UA) for the detection and characterization of Listeria and Campylobacter strains. <i>European Food Research and Technology</i> , 2010 , 231, 985-998	3.4	1
17	Chromosomal assignment of the ovine hairless (hr) gene by fluorescence insitu hybridization. <i>Hereditas</i> , 2008 , 145, 258-61	2.4	1
16	Characterization of hamster-bovine somatic cell hybrids by in situ hybridization and chromosome banding. <i>Hereditas</i> , 1993 , 118, 191-4	2.4	1
15	Analysis of genetic polymorphisms in Staphylococcus aureus strains isolated from bovine milk. <i>Veterinary Research Communications</i> , 2005 , 29 Suppl 2, 257-9	2.9	1
14	Microarray analysis applied to the study of milk protein loci in cattle. <i>Italian Journal of Animal Science</i> , 2005 , 4, 7-9	2.2	1
13	Pig KALRN, MYH1, MLC2V, SNX13, AK1, and PPIA loci RH mapping and chromosome position refining. <i>Genetics and Molecular Research</i> , 2008 , 7, 982-5	1.2	1
12	Sperm Nuclei Analysis and Nuclear Organization of a Fertile Boar-Pig Hybrid by 2D FISH on Both Total and Motile Sperm Fractions. <i>Animals</i> , 2021 , 11,	3.1	1
11	Comparison of the response of mammary gland tissue from two divergent lines of goat with high and low milk somatic cell scores to an experimental Staphylococcus aureus infection. <i>Veterinary Immunology and Immunopathology</i> , 2021 , 234, 110208	2	1
10	Development of quantitative real-time PCR and digital droplet-PCR assays for rapid and early detection of the spoilage yeasts Saccharomycopsis fibuligera and Wickerhamomyces anomalus in bread. <i>Food Microbiology</i> , 2022 , 101, 103894	6	1
9	Gut microbiome modifications over time when removing in-feed antibiotics from the prophylaxis of post-weaning diarrhea in piglets.. <i>PLoS ONE</i> , 2022 , 17, e0262199	3.7	1
8	Comparative secretome analysis of strains with different within-herd intramammary infection prevalence.. <i>Virulence</i> , 2022 , 13, 174-190	4.7	0

7	A 20-SNP Panel as a Tool for Genetic Authentication and Traceability of Pig Breeds. <i>Animals</i> , 2022 , 12, 1335	3.1	0
6	New labelling technology for molecular probes applied to the ligation detection reaction-universal array system. <i>Molecular Biotechnology</i> , 2011 , 47, 1-8	3	
5	Eight molecular markers from bovine syntenic groups U2, U5, U24, U14, U12, U28, X and Y were fluorescence in situ mapped to eight river buffalo chromosomes. <i>Chromosome Research</i> , 1998 , 6, 656-9	4.4	
4	Analysis of 22 mutations within milk protein genes in Italian Friesian cattle. <i>Italian Journal of Animal Science</i> , 2007 , 6, 76-76	2.2	
3	Assignment of interleukin-1 receptor, type I (IL1R1) to bovine chromosome band 11q12 by in situ hybridization. <i>Cytogenetic and Genome Research</i> , 2000 , 89, 166-7	1.9	
2	T-banding pattern of bovine chromosomes and karyotype reconstitution with physically mapped cosmids. <i>Cytogenetic and Genome Research</i> , 1996 , 73, 229-34	1.9	
1	Evaluation of different microarray experimental designs for identification of differentially expressed genes in the liver of Casertana and Large White swine breeds. <i>Italian Journal of Animal Science</i> , 2007 , 6, 220-220	2.2	