Filip Van Immerseel

List of Publications by Year
in descending order

217 papers	15,796 citations	13865 67 h-index	20358 116 g-index
221 all docs	221 docs citations	221 times ranked	14198 citing authors

#	Article	IF	Citations
1	A decrease of the butyrate-producing speciesRoseburia hominisandFaecalibacterium prausnitziidefines dysbiosis in patients with ulcerative colitis. Gut, 2014, 63, 1275-1283.	12.1	1,353
2	From the gut to the peripheral tissues: the multiple effects of butyrate. Nutrition Research Reviews, 2010, 23, 366-384.	4.1	600
3	An update on alternatives to antimicrobial growth promoters for broilers. Veterinary Journal, 2011, 187, 182-188.	1.7	530
4	Clostridium perfringensin poultry: an emerging threat for animal and public health. Avian Pathology, 2004, 33, 537-549.	2.0	493
5	Mechanisms of egg contamination bySalmonellaEnteritidis. FEMS Microbiology Reviews, 2009, 33, 718-738.	8.6	473
6	Expansion of the Clostridium perfringens toxin-based typing scheme. Anaerobe, 2018, 53, 5-10.	2.1	365
7	Necrotic enteritis in broilers: an updated review on the pathogenesis. Avian Pathology, 2011, 40, 341-347.	2.0	363
8	The use of organic acids to combatSalmonellain poultry: a mechanistic explanation of the efficacy. Avian Pathology, 2006, 35, 182-188.	2.0	336
9	Butyricicoccus pullicaecorumin inflammatory bowel disease. Gut, 2013, 62, 1745-1752.	12.1	319
10	Butyrate Specifically Down-Regulates Salmonella Pathogenicity Island 1 Gene Expression. Applied and Environmental Microbiology, 2006, 72, 946-949.	3.1	295
11	Rethinking our understanding of the pathogenesis of necrotic enteritis in chickens. Trends in Microbiology, 2009, 17, 32-36.	7.7	259
12	The Impact of Fusarium Mycotoxins on Human and Animal Host Susceptibility to Infectious Diseases. Toxins, 2014, 6, 430-452.	3.4	223
13	Non-typhoidal Salmonella infections in pigs: A closer look at epidemiology, pathogenesis and control. Veterinary Microbiology, 2008, 130, 1-19.	1.9	214
14	Poultry as a Host for the Zoonotic PathogenCampylobacter jejuni. Vector-Borne and Zoonotic Diseases, 2012, 12, 89-98.	1.5	207
15	Incorporating a mucosal environment in a dynamic gut model results in a more representative colonization by lactobacilli. Microbial Biotechnology, 2012, 5, 106-115.	4.2	207
16	Colonization factors of Campylobacter jejuni in the chicken gut. Veterinary Research, 2011, 42, 82.	3.0	192
17	Effects of Xylo-Oligosaccharides on Broiler Chicken Performance and Microbiota. Applied and Environmental Microbiology, 2015, 81, 5880-5888.	3.1	184
18	Supplementation of coated butyric acid in the feed reduces colonization and shedding of Salmonella in poultry. Poultry Science, 2005, 84, 1851-1856.	3.4	179

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19	Medium-Chain Fatty Acids Decrease Colonization and Invasion through hilA Suppression Shortly after Infection of Chickens with Salmonella enterica Serovar Enteritidis. Applied and Environmental Microbiology, 2004, 70, 3582-3587.	3.1	165
20	Butyric acid-producing anaerobic bacteria as a novel probiotic treatment approach for inflammatory bowel disease. Journal of Medical Microbiology, 2010, 59, 141-143.	1.8	164
21	Campylobacter control in poultry by current intervention measures ineffective: Urgent need for intensified fundamental research. Veterinary Microbiology, 2011, 152, 219-228.	1.9	155
22	Control ofClostridium perfringens-induced necrotic enteritis in broilers by target-released butyric acid, fatty acids and essential oils. Avian Pathology, 2010, 39, 117-121.	2.0	152
23	Vaccination and early protection against non-host-specific Salmonella serotypes in poultry: exploitation of innate immunity and microbial activity. Epidemiology and Infection, 2005, 133, 959.	2.1	151
24	Development of a HPLCâ€“UV method for the quantitative determination of four short-chain fatty acids and lactic acid produced by intestinal bacteria during in vitro fermentation. Journal of Pharmaceutical and Biomedical Analysis, 2013, 80, 107-115.	2.8	150
25	Biomarkers for monitoring intestinal health in poultry: present status and future perspectives. Veterinary Research, 2018, 49, 43.	3.0	147
26	Quantification of gut lesions in a subclinical necrotic enteritis model. Avian Pathology, 2007, 36, 375-382.	2.0	139
27	Disbiome database: linking the microbiome to disease. BMC Microbiology, 2018, 18, 50.	3.3	137
28	Butyrate production in phylogenetically diverse Firmicutes isolated from the chicken caecum. Microbial Biotechnology, 2011, 4, 503-512.	4.2	133
29	Butyricicoccus pullicaecorum, a butyrate producer with probiotic potential, is intrinsically tolerant to stomach and small intestine conditions. Anaerobe, 2014, 30, 70-74.	2.1	131
30	Microencapsulated Short-Chain Fatty Acids in Feed Modify Colonization and Invasion Early After Infection with Salmonella Enteritidis in Young Chickens. Poultry Science, 2004, 83, 69-74.	3.4	130
31	Colonization strategy of Campylobacter jejuni results in persistent infection of the chicken gut. Veterinary Microbiology, 2008, 130, 285-297.	1.9	126
32	Association between avian necrotic enteritis andClostridium perfringensstrains expressing NetB toxin. Veterinary Research, 2010, 41, 21.	3.0	124
33	Invasion of Salmonella enteritidis in avian intestinal epithelial cells in vitro is influenced by short-chain fatty acids. International Journal of Food Microbiology, 2003, 85, 237-248.	4.7	123
34	Colonization of the chicken reproductive tract and egg contamination by Salmonella. Journal of Applied Microbiology, 2004, 97, 233-245.	3.1	116
35	Specific members of the predominant gut microbiota predict pouchitis following colectomy and IPAA in UC. Gut, 2017, 66, 79-88.	12.1	114
36	Molecular and phenotypical characterization of Clostridium perfringens isolates from poultry flocks with different disease status. Veterinary Microbiology, 2006, 113, 143-152.	1.9	112

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37	Coated fatty acids alter virulence properties of Salmonella Typhimurium and decrease intestinal colonization of pigs. Veterinary Microbiology, 2008, 132, 319-327.	1.9	112
38	Steering Endogenous Butyrate Production in the Intestinal Tract of Broilers as a Tool to Improve Gut Health. Frontiers in Veterinary Science, 2015, 2, 75.	2.2	112
39	Feed additives to control Salmonella in poultry. World's Poultry Science Journal, 2002, 58, 501-513.	3.0	110
40	Reduced Mucosa-associated Butyricicoccus Activity in Patients with Ulcerative Colitis Correlates with Aberrant Claudin-1 Expression. Journal of Crohn's and Colitis, 2017, 11, 229-236.	1.3	109
41	The cereal type in feed influences gut wall morphology and intestinal immune cell infiltration in broiler chickens. British Journal of Nutrition, 2009, 102, 1453-1461.	2.3	105
42	Bacteria-derived long chain fatty acid exhibits anti-inflammatory properties in colitis. Gut, 2021, 70, 1088-1097.	12.1	105
43	Dynamics of immune cell infiltration in the caecal lamina propria of chickens after neonatal infection with a Salmonella Enteritidis strain. Developmental and Comparative Immunology, 2002, 26, 355-364.	2.3	104
44	A review on prebiotics and probiotics for the control of dysbiosis: present status and future perspectives. Animal, 2015, 9, 43-48.	3.3	104
45	Microbial shifts associated with necrotic enteritis. Avian Pathology, 2016, 45, 308-312.	2.0	101
46	The Probiotic Butyricicoccus pullicaecorum Reduces Feed Conversion and Protects from Potentially Harmful Intestinal Microorganisms and Necrotic Enteritis in Broilers. Frontiers in Microbiology, 2016, 7, 1416.	3.5	99
47	Butyrate Producers as Potential Next-Generation Probiotics: Safety Assessment of the Administration of Butyricicoccus pullicaecorum to Healthy Volunteers. MSystems, 2018, 3, .	3.8	99
48	A comparative study on the pathogenesis of egg contamination by different serotypes ofSalmonella. Avian Pathology, 2008, 37, 399-406.	2.0	96
49	Butyricicoccus pullicaecorum gen. nov., sp. nov., an anaerobic, butyrate-producing bacterium isolated from the caecal content of a broiler chicken. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2799-2802.	1.7	95
50	Morphometric evaluation of â€œdysbacteriosisâ€•in broilers. Avian Pathology, 2011, 40, 139-144.	2.0	88
51	Arabinoxylooligosaccharides from Wheat Bran Inhibit Salmonella Colonization in Broiler Chickens. Poultry Science, 2008, 87, 2329-2334.	3.4	87
52	A tolerogenic mucosal immune response leads to persistentCampylobacter jejunicolonization in the chicken gut. Critical Reviews in Microbiology, 2012, 38, 17-29.	6.1	87
53	Vaccines as alternatives to antibiotics for food producing animals. Part 1: challenges and needs. Veterinary Research, 2018, 49, 64.	3.0	84
54	Faecalicoccus acidiformans gen. nov., sp. nov., isolated from the chicken caecum, and reclassification of Streptococcus pleomorphus (Barnes et al. 1977), Eubacterium biforme (Eggerth 1935) and Eubacterium cylindroides (Cato et al. 1974) as Faecalicoccus pleomorphus comb. nov., Holdemanella biformis gen. nov., comb. nov. and Faecalitalea cylindroides gen. nov., comb. nov., respectively, within the family Erysipelotrichaceae. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3877-3884.	1.7	83

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55	The VirSR Two-Component Signal Transduction System Regulates NetB Toxin Production in Clostridium perfringens. Infection and Immunity, 2010, 78, 3064-3072.	2.2	82
56	Quorum sensing in veterinary pathogens: Mechanisms, clinical importance and future perspectives. Veterinary Microbiology, 2009, 135, 187-195.	1.9	80
57	Intestinal mucus protects Campylobacter jejuni in the ceca of colonized broiler chickens against the bactericidal effects of medium-chain fatty acids. Poultry Science, 2010, 89, 1144-1155.	3.4	80
58	Virulence-associated traits in avian Escherichia coli: Comparison between isolates from colibacillosis-affected and clinically healthy layer flocks. Veterinary Microbiology, 2005, 108, 75-87.	1.9	78
59	Salmonella enterica Serovar Enteritidis Genes Induced during Oviduct Colonization and Egg Contamination in Laying Hens. Applied and Environmental Microbiology, 2008, 74, 6616-6622.	3.1	76
60	Intermittent long-term shedding and induction of carrier birds after infection of chickens early posthatch with a low or high dose of Salmonella enteritidis. Poultry Science, 2004, 83, 1911-1916.	3.4	73
61	Origin of Clostridium perfringens isolates determines the ability to induce necrotic enteritis in broilers. Comparative Immunology, Microbiology and Infectious Diseases, 2009, 32, 503-512.	1.6	72
62	Oral immunisation of laying hens with the live vaccine strains of TAD Salmonella vacÂ® E and TAD Salmonella vacÂ® T reduces internal egg contamination with Salmonella Enteritidis. Vaccine, 2006, 24, 6250-6255.	3.8	71
63	Short-chain fatty acids and<scp>l</scp>-lactate as feed additives to controlCampylobacter jejuniinfections in broilers. Avian Pathology, 2008, 37, 379-383.	2.0	71
64	Mycotoxins Deoxynivalenol and Fumonisins Alter the Extrinsic Component of Intestinal Barrier in Broiler Chickens. Journal of Agricultural and Food Chemistry, 2015, 63, 10846-10855.	5.2	71
65	Identification of lactobacilli isolated from the cloaca and vagina of laying hens and characterization for potential use as probiotics to control Salmonella Enteritidis. Journal of Applied Microbiology, 2006, 102, 061120055200049-???.	3.1	69
66	Determination of the within and between flock prevalence and identification of risk factors for Salmonella infections in laying hen flocks housed in conventional and alternative systems. Preventive Veterinary Medicine, 2010, 94, 94-100.	1.9	69
67	Fumonisins affect the intestinal microbial homeostasis in broiler chickens, predisposing to necrotic enteritis. Veterinary Research, 2015, 46, 98.	3.0	69
68	The influence of the cage system and colonisation of Salmonella Enteritidis on the microbial gut flora of laying hens studied by T-RFLP and 454 pyrosequencing. BMC Microbiology, 2011, 11, 187.	3.3	68
69	Strategies to control Salmonella in the broiler production chain. World's Poultry Science Journal, 2009, 65, 367-392.	3.0	67
70	The Mycotoxin Deoxynivalenol Predisposes for the Development of Clostridium perfringens-Induced Necrotic Enteritis in Broiler Chickens. PLoS ONE, 2014, 9, e108775.	2.5	67
71	Butyrate protects Caco-2 cells from Campylobacter jejuni invasion and translocation. British Journal of Nutrition, 2008, 100, 480-484.	2.3	66
72	Interactions of Butyric Acidâ€“ and Acetic Acidâ€“Treated Salmonella with Chicken Primary Cecal Epithelial Cells In Vitro. Avian Diseases, 2004, 48, 384-391.	1.0	64

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73	Drastic decrease of Salmonella Enteritidis isolated from humans in Belgium in 2005, shift in phage types and influence on foodborne outbreaks. Epidemiology and Infection, 2008, 136, 771-781.	2.1	63
74	Progress and problems in vaccination against necrotic enteritis in broiler chickens. Avian Pathology, 2014, 43, 290-300.	2.0	59
75	Characterization of isolates from captive lizards. Veterinary Microbiology, 2005, 110, 285-291.	1.9	57
76	Vaccines as alternatives to antibiotics for food producing animals. Part 2: new approaches and potential solutions. Veterinary Research, 2018, 49, 70.	3.0	57
77	Cats as a Risk for Transmission of Antimicrobial Drug-resistantSalmonella. Emerging Infectious Diseases, 2004, 10, 2169-2174.	4.3	56
78	The effect of commonly used anticoccidials and antibiotics in a subclinical necrotic enteritis model. Avian Pathology, 2010, 39, 63-68.	2.0	56
79	Protection against avian necrotic enteritis after immunisation with NetB genetic or formaldehyde toxoids. Vaccine, 2013, 31, 4003-4008.	3.8	56
80	Dietary zinc source impacts intestinal morphology and oxidative stress in young broilers. Poultry Science, 2020, 99, 441-453.	3.4	56
81	Salmonella Typhimurium SPI-1 genes promote intestinal but not tonsillar colonization in pigs. Microbes and Infection, 2006, 8, 2899-2907.	1.9	53
82	Perfringolysin O: The Underrated Clostridium perfringens Toxin?. Toxins, 2015, 7, 1702-1721.	3.4	53
83	Tubular Glands of the Isthmus are the Predominant Colonization Site of Salmonella Enteritidis in the Upper Oviduct of Laying Hens. Poultry Science, 2004, 83, 352-358.	3.4	52
84	Salmonella enterica serovar Enteritidis colonization of the chicken caecum requires the HilA regulatory protein. Veterinary Microbiology, 2006, 116, 202-210.	1.9	50
85	Interindividual differences in response to treatment with butyrate-producing Butyricicoccus pullicaecorum 25â€“3T studied in an in vitro gut model. FEMS Microbiology Ecology, 2015, 91, .	2.7	50
86	Host Adaptation of Pigeon Isolates of Salmonella enterica subsp. enterica Serovar Typhimurium Variant Copenhagen Phage Type 99 Is Associated with Enhanced Macrophage Cytotoxicity. Infection and Immunity, 2003, 71, 6068-6074.	2.2	49
87	Anaerostipes butyraticus sp. nov., an anaerobic, butyrate-producing bacterium from Clostridium cluster XIVa isolated from broiler chicken caecal content, and emended description of the genus Anaerostipes. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1108-1112.	1.7	49
88	FISH analysis of Lactobacillus biofilms in the gastrointestinal tract of different hosts. Letters in Applied Microbiology, 2011, 52, 220-226.	2.2	48
89	Salmonella Enteritidis is superior in egg white survival compared with other Salmonella serotypes. Poultry Science, 2013, 92, 842-845.	3.4	48
90	Effect of type 1 fimbriae of Salmonella enterica serotype Enteritidis on bacteraemia and reproductive tract infection in laying hens. Avian Pathology, 2004, 33, 314-320.	2.0	47

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91	Virulence properties of Campylobacter jejuni isolates of poultry and human origin. Journal of Medical Microbiology, 2007, 56, 1284-1289.	1.8	47
92	Antimicrobial resistance in Clostridium perfringens isolates from broilers in Belgium. Veterinary Research Communications, 2009, 33, 1031-1037.	1.6	47
93	The Influence of the Housing System on Salmonella Infections in Laying Hens: A Review. Zoonoses and Public Health, 2011, 58, 304-311.	2.2	46
94	The synergistic necrohemorrhagic action of Clostridium perfringens perfringolysin and alpha toxin in the bovine intestine and against bovine endothelial cells. Veterinary Research, 2013, 44, 45.	3.0	45
95	Porcine in vitro and in vivo models to assess the virulence of Salmonella enterica serovar Typhimurium for pigs. Laboratory Animals, 2009, 43, 46-52.	1.0	44
96	Rethinking the role of alpha toxin in Clostridium perfringens-associated enteric diseases: a review on bovine necro-haemorrhagic enteritis. Veterinary Research, 2017, 48, 9.	3.0	44
97	Safety assessment of the butyrate-producing Butyricicoccus pullicaecorum strain 25-3T, a potential probiotic for patients with inflammatory bowel disease, based on oral toxicity tests and whole genome sequencing. Food and Chemical Toxicology, 2014, 72, 129-137.	3.6	43
98	The effect of vaccination with a Salmonella Enteritidis aroA mutant on early cellular responses in caecal lamina propria of newly-hatched chickens. Vaccine, 2002, 20, 3034-3041.	3.8	42
99	Perfrin, a novel bacteriocin associated with netB positive Clostridium perfringens strains from broilers with necrotic enteritis. Veterinary Research, 2014, 45, 40.	3.0	42
100	Horizontal transmission of Salmonella Enteritidis in groups of experimentally infected laying hens housed in different housing systems. Poultry Science, 2011, 90, 1391-1396.	3.4	41
101	Does canine inflammatory bowel disease influence gut microbial profile and host metabolism?. BMC Veterinary Research, 2016, 12, 114.	1.9	39
102	Valeric acid glyceride esters in feed promote broiler performance and reduce the incidence of necrotic enteritis. Poultry Science, 2018, 97, 2303-2311.	3.4	39
103	Adhesion of Salmonella enterica serotype Enteritidis isolates to chicken isthmal glandular secretions. Veterinary Microbiology, 2003, 93, 223-233.	1.9	38
104	Intra-species growth-inhibition by Clostridium perfringens is a possible virulence trait in necrotic enteritis in broilers. Veterinary Microbiology, 2009, 137, 388-391.	1.9	38
105	The Salmonella Enteritidis Lipopolysaccharide Biosynthesis Gene rfbH is Required for Survival in Egg Albumen. Zoonoses and Public Health, 2009, 56, 145-149.	2.2	38
106	Salmonella Gallinarum field isolates from laying hens are related to the vaccine strain SG9R. Vaccine, 2013, 31, 4940-4945.	3.8	36
107	Combined endo -Î²-1,4-xylanase and Î±- l -arabinofuranosidase increases butyrate concentration during broiler cecal fermentation of maize glucurono-arabinoxylan. Animal Feed Science and Technology, 2018, 236, 159-169.	2.2	36
108	Effect of the housing system on shedding and colonization of gut and internal organs of laying hens with Salmonella Enteritidis. Poultry Science, 2009, 88, 2491-2495.	3.4	35

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109	Faecal Sampling Underestimates the Actual Prevalence ofSalmonellain Laying Hen Flocks. Zoonoses and Public Health, 2009, 56, 471-476.	2.2	35
110	Impact of Fusarium mycotoxins on hepatic and intestinal mRNA expression of cytochrome P450 enzymes and drug transporters, and on the pharmacokinetics of oral enrofloxacin in broiler chickens. Food and Chemical Toxicology, 2017, 101, 75-83.	3.6	35
111	A limited role for SsrA/B in persistent Salmonella Typhimurium infections in pigs. Veterinary Microbiology, 2008, 128, 364-373.	1.9	32
112	The Cinnamon-Oil Ingredient trans-Cinnamaldehyde Fails To Target Campylobacter jejuni Strain KC 40 in the Broiler Chicken Cecum Despite Marked In Vitro Activity. Journal of Food Protection, 2011, 74, 1729-1734.	1.7	32
113	Protection of laying hens against Salmonella Enteritidis by immunization with type 1 fimbriae. Veterinary Microbiology, 2005, 105, 93-101.	1.9	31
114	Importance of release location on the mode of action of butyrate derivatives in the avian gastrointestinal tract. World's Poultry Science Journal, 2016, 72, 61-80.	3.0	31
115	The response of canine faecal microbiota to increased dietary protein is influenced by body condition. BMC Veterinary Research, 2017, 13, 374.	1.9	31
116	The Salmonella Pathogenicity Island 2 regulator ssrA promotes reproductive tract but not intestinal colonization in chickens. Veterinary Microbiology, 2008, 126, 216-224.	1.9	30
117	Progress towards butyrate-producing pharmabiotics:Butyricicoccus pullicaecorumcapsule and efficacy in TNBS models in comparison with therapeutics: TableÂ1. Gut, 2014, 63, 367-367.	12.1	30
118	Host intestinal biomarker identification in a gut leakage model in broilers. Veterinary Research, 2019, 50, 46.	3.0	30
119	Improving the safety and quality of eggs and egg products. , 2011, , .		30
120	Assessment of Virulence of Pigeon Isolates of Salmonella enterica subsp. enterica Serovar Typhimurium Variant Copenhagen for Humans. Journal of Clinical Microbiology, 2004, 42, 2000-2002.	3.9	29
121	Does release of encapsulated nutrients have an important role in the efficacy of xylanase in broilers?. Poultry Science, 2016, 95, 1066-1076.	3.4	29
122	Role of SPI-1 in the interactions of Salmonella Typhimurium with porcine macrophages. Veterinary Microbiology, 2006, 113, 35-44.	1.9	28
123	Variable protection after vaccination of broiler chickens against necrotic enteritis using supernatants of different Clostridium perfringens strains. Vaccine, 2010, 28, 5920-5923.	3.8	28
124	The C-terminal domain of Clostridium perfringens alpha toxin as a vaccine candidate against bovine necrohemorrhagic enteritis. Veterinary Research, 2016, 47, 52.	3.0	28
125	Short-chain arabinoxylans prepared from enzymatically treated wheat grain exert prebiotic effects during the broiler starter period. Poultry Science, 2018, 97, 412-424.	3.4	28
126	A Live Salmonella enterica Serovar Enteritidis Vaccine Allows Serological Differentiation between Vaccinated and Infected Animals. Infection and Immunity, 2007, 75, 2461-2468.	2.2	27

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127	Long-term colonisationâ€“inhibition studies to protect broilers against colonisation with Salmonella Enteritidis, using Salmonella Pathogenicity Island 1 and 2 mutants. Vaccine, 2007, 25, 4235-4243.	3.8	27
128	The effect of oral administration of a homologous hilA mutant strain on the long-term colonization and transmission of Salmonella Enteritidis in broiler chickens. Vaccine, 2008, 26, 372-378.	3.8	27
129	Day-of-hatch vaccination is not protective against necrotic enteritis in broiler chickens. Avian Pathology, 2013, 42, 179-184.	2.0	27
130	Detection of Batrachochytrium dendrobatidis in Mexican Bolitoglossine Salamanders Using an Optimal Sampling Protocol. EcoHealth, 2011, 8, 237-243.	2.0	26
131	Reduced particle size wheat bran is butyrogenic and lowers Salmonella colonization, when added to poultry feed. Veterinary Microbiology, 2017, 198, 64-71.	1.9	26
132	Evaluation of the hygienogram scores and related data obtained after cleaning and disinfection of poultry houses in Flanders during the period 2007 to 2014. Poultry Science, 2018, 97, 620-627.	3.4	26
133	Stress-induced survival strategies enable Salmonella Enteritidis to persistently colonize the chicken oviduct tissue and cope with antimicrobial factors in egg white: A hypothesis to explain a pandemic. Gut Pathogens, 2010, 2, 23.	3.4	25
134	Endothelial Binding of Beta Toxin to Small Intestinal Mucosal Endothelial Cells in Early Stages of Experimentally Induced Clostridium Perfringens Type C Enteritis in Pigs. Veterinary Pathology, 2013, 50, 626-629.	1.7	25
135	GH11 xylanase increases prebiotic oligosaccharides from wheat bran favouring butyrate-producing bacteria in vitro. Animal Feed Science and Technology, 2017, 226, 113-123.	2.2	25
136	The age of production system and previous Salmonella infections on-farm are risk factors for low-level Salmonella infections in laying hen flocks. Poultry Science, 2010, 89, 1315-1319.	3.4	24
137	The dynamics ofSalmonellaoccurrence in commercial laying hen flocks throughout a laying period. Avian Pathology, 2011, 40, 243-248.	2.0	24
138	A genome-wide screen identifies Salmonella Enteritidis lipopolysaccharide biosynthesis and the HtrA heat shock protein as crucial factors involved in egg white persistence at chicken body temperature. Poultry Science, 2014, 93, 1263-1269.	3.4	24
139	<scp>B</scp>acillus amyloliquefaciens as prophylactic treatment for <scp>C</scp>lostridium difficileâ€associated disease in a mouse model. Journal of Gastroenterology and Hepatology (Australia), 2015, 30, 1275-1280.	2.8	24
140	In-feed resin acids reduce matrix metalloproteinase activity in the ileal mucosa of healthy broilers without inducing major effects on the gut microbiota. Veterinary Research, 2019, 50, 15.	3.0	24
141	Survival of Salmonella serovar Typhimurium inside porcine monocytes is associated with complement binding and suppression of the production of reactive oxygen species. Veterinary Microbiology, 2005, 107, 205-214.	1.9	23
142	Effects of different yeast cell wall supplements added to maize- or wheat-based diets for broiler chickens. British Poultry Science, 2010, 51, 399-408.	1.7	23
143	Microarray-Based Detection of Salmonella enterica Serovar Enteritidis Genes Involved in Chicken Reproductive Tract Colonization. Applied and Environmental Microbiology, 2014, 80, 7710-7716.	3.1	23
144	Bacteriaâ€“host interactions of Salmonella Paratyphi B dT+ in poultry. Epidemiology and Infection, 2004, 132, 239-243.	2.1	22

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145	Oral vaccination with a live Salmonella Enteritidis/Typhimurium bivalent vaccine in layers induces cross-protection against caecal and internal organ colonization by a Salmonella Infantis strain. Veterinary Microbiology, 2018, 218, 7-12.	1.9	22
146	Effect of in feed administration of different butyrate formulations on Salmonella Enteritidis colonization and cecal microbiota in broilers. Veterinary Research, 2020, 51, 56.	3.0	22
147	Salmonella Enteritidis universal stress protein (usp) gene expression is stimulated by egg white and supports oviduct colonization and egg contamination in laying hens. Veterinary Microbiology, 2011, 153, 186-190.	1.9	21
148	Recent breakthroughs have unveiled the many knowledge gaps inClostridium perfringens-associated necrotic enteritis in chickens: the first International Conference on Necrotic Enteritis in Poultry. Avian Pathology, 2016, 45, 269-270.	2.0	21
149	Elevated faecal ovotransferrin concentrations are indicative for intestinal barrier failure in broiler chickens. Veterinary Research, 2018, 49, 51.	3.0	21
150	The fibronectin binding protein ShdA is not a prerequisite for long term faecal shedding of Salmonella typhimurium in pigs. Veterinary Microbiology, 2006, 115, 284-290.	1.9	20
151	Induction of the Carrier State in Pigeons Infected with Salmonella enterica Subspecies enterica Serovar Typhimurium PT99 by Treatment with Florfenicol: a Matter of Pharmacokinetics. Antimicrobial Agents and Chemotherapy, 2008, 52, 954-961.	3.2	20
152	Endogenous boldenone-formation in cattle: Alternative invertebrate organisms to elucidate the enzymatic pathway and the potential role of edible fungi on cattle's feed. Journal of Steroid Biochemistry and Molecular Biology, 2010, 119, 161-170.	2.5	20
153	Lesion Development in a New Intestinal Loop Model Indicates the Involvement of a Shared Clostridium perfringens Virulence Factor in Haemorrhagic Enteritis in Calves. Journal of Comparative Pathology, 2013, 149, 103-112.	0.4	20
154	Variable protection against experimental broiler necrotic enteritis after immunization with the C-terminal fragment ofClostridium perfringensalpha-toxin and a non-toxic NetB variant. Avian Pathology, 2016, 45, 381-388.	2.0	20
155	Toxin-neutralizing antibodies protect against Clostridium perfringens-induced necrosis in an intestinal loop model for bovine necrohemorrhagic enteritis. BMC Veterinary Research, 2016, 12, 101.	1.9	19
156	Amorphous cellulose feed supplement alters the broiler caecal microbiome. Poultry Science, 2019, 98, 3811-3817.	3.4	19
157	Formation of boldenone and boldenone-analogues by maggots of Lucilia sericata. Analytica Chimica Acta, 2007, 586, 163-170.	5.4	18
158	Generation of Single-Copy Transposon Insertions in Clostridium perfringens by Electroporation of Phage Mu DNA Transposition Complexes. Applied and Environmental Microbiology, 2009, 75, 2638-2642.	3.1	18
159	Reduced-Particle-Size Wheat Bran Is Efficiently Colonized by a Lactic Acid-Producing Community and Reduces Levels of Enterobacteriaceae in the Cecal Microbiota of Broilers. Applied and Environmental Microbiology, 2018, 84, .	3.1	18
160	The cereal type in feed influences Salmonella Enteritidis colonization in broilers. Poultry Science, 2009, 88, 2108-2112.	3.4	17
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