Guillermo Tellez

List of Publications by Year in descending order

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218677 289244 2,173 111 26 40 citations h-index g-index papers 117 117 117 1643 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Identification of Potential Biomarkers for Gut Barrier Failure in Broiler Chickens. Frontiers in Veterinary Science, 2015, 2, 14.	2.2	162
2	Evaluation and Selection of Bacillus Species Based on Enzyme Production, Antimicrobial Activity, and Biofilm Synthesis as Direct-Fed Microbial Candidates for Poultry. Frontiers in Veterinary Science, 2016, 3, 95.	2.2	112
3	Probiotics, Prebiotics, and Phytogenic Substances for Optimizing Gut Health in Poultry. Microorganisms, 2022, 10, 395.	3.6	80
4	Utilization of rye as energy source affects bacterial translocation, intestinal viscosity, microbiota composition, and bone mineralization in broiler chickens. Frontiers in Genetics, 2014, 5, 339.	2.3	78
5	Evaluation of the Epithelial Barrier Function and Ileal Microbiome in an Established Necrotic Enteritis Challenge Model in Broiler Chickens. Frontiers in Veterinary Science, 2018, 5, 199.	2.2	76
6	Optimizing Fluorescein Isothiocyanate Dextran Measurement As a Biomarker in a 24-h Feed Restriction Model to Induce Gut Permeability in Broiler Chickens. Frontiers in Veterinary Science, 2017, 4, 56.	2.2	75
7	Effect of a Selected Lactobacillus spp.–Based Probiotic on Salmonella enterica Serovar Enteritidis–Infected Broiler Chicks. Avian Diseases, 2008, 52, 143-146.	1.0	69
8	Selection of Bacillus spp. for Cellulase and Xylanase Production as Direct-Fed Microbials to Reduce Digesta Viscosity and Clostridium perfringens Proliferation Using an in vitro Digestive Model in Different Poultry Diets. Frontiers in Veterinary Science, 2015, 2, 25.	2.2	67
9	Influential factors on the composition of the conventionally raised broiler gastrointestinal microbiomes. Poultry Science, 2020, 99, 653-659.	3.4	65
10	Impact of a Bacillus Direct-Fed Microbial on Growth Performance, Intestinal Barrier Integrity, Necrotic Enteritis Lesions, and Ileal Microbiota in Broiler Chickens Using a Laboratory Challenge Model. Frontiers in Veterinary Science, 2019, 6, 108.	2.2	58
11	Leaky Gut and Mycotoxins: Aflatoxin B1 Does Not Increase Gut Permeability in Broiler Chickens. Frontiers in Veterinary Science, 2016, 3, 10.	2.2	48
12	Evaluation of a selected lactic acid bacteria-based probiotic on Salmonella enterica serovar Enteritidis colonization and intestinal permeability in broiler chickens. Avian Pathology, 2017, 46, 90-94.	2.0	48
13	Rye Affects Bacterial Translocation, Intestinal Viscosity, Microbiota Composition and Bone Mineralization in Turkey Poults. PLoS ONE, 2015, 10, e0122390.	2.5	41
14	Evaluation of Chitosan and Cellulosic Polymers as Binding Adsorbent Materials to Prevent Aflatoxin B1, Fumonisin B1, Ochratoxin, Trichothecene, Deoxynivalenol, and Zearalenone Mycotoxicoses Through an In Vitro Gastrointestinal Model for Poultry. Polymers, 2017, 9, 529.	4.5	40
15	Research Note: Evaluation of a heat stress model to induce gastrointestinal leakage in broiler chickens. Poultry Science, 2020, 99, 1687-1692.	3.4	39
16	Coccidiosis: recent advancements in the immunobiology of Eimeria species, preventive measures, and the importance of vaccination as a control tool against these Apicomplexan parasites. Veterinary Medicine: Research and Reports, 2014, 5, 23.	0.6	34
17	Evidence for <i>Clostridium Septicum</i> as a Primary Cause of Cellulitis in Commercial Turkeys. Journal of Veterinary Diagnostic Investigation, 2009, 21, 374-377.	1.1	32
18	Evaluation of a Solid Dispersion of Curcumin With Polyvinylpyrrolidone and Boric Acid Against Salmonella Enteritidis Infection and Intestinal Permeability in Broiler Chickens: A Pilot Study. Frontiers in Microbiology, 2018, 9, 1289.	3.5	32

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19	Evaluation of Cellulosic Polymers and Curcumin to Reduce Aflatoxin B1 Toxic Effects on Performance, Biochemical, and Immunological Parameters of Broiler Chickens. Toxins, 2019, 11, 121.	3.4	31
20	Water amino acid-chelated trace mineral supplementation decreases circulating and intestinal HSP70 and proinflammatory cytokine gene expression in heat-stressed broiler chickens. Journal of Animal Science, 2020, 98, .	0.5	31
21	Physiological Properties and <i>Salmonella</i> Growth Inhibition of Probiotic <ibacillus< i=""> Strains Isolated from Environmental and Poultry Sources. International Journal of Bacteriology, 2013, 2013, 1-8.</ibacillus<>	1.0	29
22	Ability of low contents of biosorbents to bind the food carcinogen aflatoxin B1 in vitro. Food Chemistry, 2021, 345, 128863.	8.2	29
23	Inhibitory Effect of Flower-Shaped Zinc Oxide Nanostructures on the Growth and Aflatoxin Production of a Highly Toxigenic Strain of Aspergillus flavus Link. Materials, 2018, 11, 1265.	2.9	28
24	Evaluation of the Antimicrobial and Anti-inflammatory Properties of Bacillus-DFM (Norumâ,,¢) in Broiler Chickens Infected With Salmonella Enteritidis. Frontiers in Veterinary Science, 2019, 6, 282.	2.2	28
25	Identification of Serum Biomarkers for Intestinal Integrity in a Broiler Chicken Malabsorption Model. Frontiers in Veterinary Science, 2019, 6, 144.	2.2	28
26	Role of a Bacillus subtilis Direct-Fed Microbial on Digesta Viscosity, Bacterial Translocation, and Bone Mineralization in Turkey Poults Fed with a Rye-Based Diet. Frontiers in Veterinary Science, 2014, 1, 26.	2.2	27
27	Assessing the Aflatoxin B1 Adsorption Capacity between Biosorbents Using an In Vitro Multicompartmental Model Simulating the Dynamic Conditions in the Gastrointestinal Tract of Poultry. Toxins, 2018, 10, 484.	3.4	27
28	Food-producing animals and their health in relation to human health. Microbial Ecology in Health and Disease, 2015, 26, 25876.	3 . 5	26
29	Comparison of total immunoglobulin A levels in different samples in Leghorn and broiler chickens. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 116-120.	1.2	26
30	Microbial metabolite deoxycholic acid controls Clostridium perfringens-induced chicken necrotic enteritis through attenuating inflammatory cyclooxygenase signaling. Scientific Reports, 2019, 9, 14541.	3.3	26
31	Evaluation of curcumin and copper acetate against Salmonella Typhimurium infection, intestinal permeability, and cecal microbiota composition in broiler chickens. Journal of Animal Science and Biotechnology, 2021, 12, 23.	5. 3	25
32	Developing probiotics, prebiotics, and organic acids to control Salmonella spp. in commercial turkeys at the University of Arkansas, USA. German Journal of Veterinary Research, 2021, 1, 7-12.	1.2	24
33	Effect of the Addition of Humic Substances as Growth Promoter in Broiler Chickens Under Two Feeding Regimens. Animals, 2019, 9, 1101.	2.3	23
34	The effect of moderate-dose aflatoxin B1 and Salmonella Enteritidis infection on intestinal permeability in broiler chickens. Mycotoxin Research, 2020, 36, 31-39.	2.3	23
35	Productive parameters, cecal microflora, nutrient digestibility, antioxidant status, and thigh muscle fatty acid profile in broiler chickens fed with Eucalyptus globulus essential oil. Poultry Science, 2021, 100, 100922.	3.4	23
36	Effect of humic acids on intestinal viscosity, leaky gut and ammonia excretion in a 24Âhr feed restriction model to induce intestinal permeability in broiler chickens. Animal Science Journal, 2018, 89, 1002-1010.	1.4	22

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37	Evaluation of in ovo Bacillus spp. based probiotic administration on horizontal transmission of virulent Escherichia coli in neonatal broiler chickens. Poultry Science, 2019, 98, 6483-6491.	3.4	20
38	Evaluation of the Dietary Supplementation of a Formulation Containing Ascorbic Acid and a Solid Dispersion of Curcumin with Boric Acid against Salmonella Enteritidis and Necrotic Enteritis in Broiler Chickens. Animals, 2019, 9, 184.	2.3	20
39	Evaluation of the antimicrobial and intestinal integrity properties of boric acid in broiler chickens infected with Salmonella enteritidis: Proof of concept. Research in Veterinary Science, 2019, 123, 7-13.	1.9	20
40	Development of Chitosan and Alginate Nanocapsules to Increase the Solubility, Permeability and Stability of Curcumin. Journal of Pharmaceutical Innovation, 2019, 14, 132-140.	2.4	18
41	Evaluation of a Bacillus -Based Direct-Fed Microbial on Aflatoxin B1 Toxic Effects, Performance, Immunologic Status, and Serum Biochemical Parameters in Broiler Chickens. Avian Diseases, 2019, 63, 659.	1.0	17
42	Evaluation of Three Formulations of Essential Oils in Broiler Chickens under Cyclic Heat Stress. Animals, 2021, 11, 1084.	2.3	16
43	Spirulina platensis Inclusion Reverses Circulating Pro-inflammatory (Chemo)cytokine Profiles in Broilers Fed Low-Protein Diets. Frontiers in Veterinary Science, 2021, 8, 640968.	2.2	16
44	Heat Stress and Gut Health in Broilers: Role of Tight Junction Proteins. Advanced in Food Technology and Nutritional Sciences - Open Journal, 2017, 3, e1-e4.	0.2	16
45	Isolation, screening and identification of Bacillus spp. as direct-fed microbial candidates for aflatoxin B1 biodegradation. Asian Pacific Journal of Tropical Biomedicine, 2015, 5, 702-706.	1.2	15
46	Evaluation of Ascorbic Acid or Curcumin Formulated in a Solid Dispersion on Salmonella Enteritidis Infection and Intestinal Integrity in Broiler Chickens. Pathogens, 2019, 8, 229.	2.8	15
47	Effect of Oral Administration with Lactobacillus plantarum CAM6 Strain on Sows during Gestation-Lactation and the Derived Impact on Their Progeny Performance. Mediators of Inflammation, 2021, 2021, 1-8.	3.0	15
48	Effects of Humic Acids on Recovery of Salmonella Enterica Serovar Enteritidis. Annals of Animal Science, 2018, 18, 387-399.	1.6	14
49	Mitigation of AFB1-Related Toxic Damage to the Intestinal Epithelium in Broiler Chickens Consumed a Yeast Cell Wall Fraction. Frontiers in Veterinary Science, 2021, 8, 677965.	2.2	14
50	Evaluation of Oral Administration of Lactobacillus plantarum CAM6 Strain as an Alternative to Antibiotics in Weaned Pigs. Animals, 2020, 10, 1218.	2.3	13
51	Recombinant Hemagglutinin of Avian Influenza Virus H5 Expressed in the Chloroplast of <i>Chlamydomonas reinhardtii </i> and Evaluation of Its Immunogenicity in Chickens. Avian Diseases, 2016, 60, 784-791.	1.0	12
52	Assessment of Lippia origanoides Essential Oils in a Salmonella typhimurium, Eimeria maxima, and Clostridium perfringens Challenge Model to Induce Necrotic Enteritis in Broiler Chickens. Animals, 2021, 11, 1111.	2.3	12
53	Isolation and Identification of Lactic Acid Bacteria Probiotic Culture Candidates for the Treatment of Salmonella enterica Serovar Enteritidis in Neonatal Turkey Poults. Animals, 2019, 9, 696.	2.3	11
54	Evaluation of Bone Marrow Adipose Tissue and Bone Mineralization on Broiler Chickens Affected by Wooden Breast Myopathy. Frontiers in Physiology, 2019, 10, 674.	2.8	11

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55	Effect of Bacillus–direct-fed microbial on leaky gut, serum peptide YY concentration, bone mineralization, and ammonia excretion in neonatal female turkey poults fed with a rye-based diet. Poultry Science, 2020, 99, 4514-4520.	3.4	11
56	Curcumin reduces enteric isoprostane 8-iso-PGF2α and prostaglandin GF2α in specific pathogen-free Leghorn chickens challenged with Eimeria maxima. Scientific Reports, 2021, 11, 11609.	3.3	11
57	Prokaryotes Versus Eukaryotes: Who is Hosting Whom?. Frontiers in Veterinary Science, 2014, 1, 3.	2.2	10
58	Development of a novel in ovo challenge model for virulent Escherichia coli strains. Poultry Science, 2019, 98, 5330-5335.	3.4	10
59	Research Note: Modified serum fluorescein isothiocyanate dextran (FITC-d) assay procedure to determine intestinal permeability in poultry fed diets high in natural or synthetic pigments. Poultry Science, 2021, 100, 101138.	3.4	10
60	Potential of Kale and Lettuce Residues as Natural Adsorbents of the Carcinogen Aflatoxin B1 in a Dynamic Gastrointestinal Tract-Simulated Model. Toxins, 2021, 13, 771.	3.4	10
61	In Vitro Characterization of Indigenous Probiotic Strains Isolated from Colombian Creole Pigs. Animals, 2020, 10, 1204.	2.3	9
62	Removal of Aflatoxins Using Agro-Waste-Based Materials and Current Characterization Techniques Used for Biosorption Assessment. Frontiers in Veterinary Science, 2022, 9, .	2.2	9
63	In ovo Administration of Defined Lactic Acid Bacteria Previously Isolated From Adult Hens Induced Variations in the Cecae Microbiota Structure and Enterobacteriaceae Colonization on a Virulent Escherichia coli Horizontal Infection Model in Broiler Chickens. Frontiers in Veterinary Science, 2020. 7, 489.	2.2	8
64	Comprehensive Survey of the Litter Bacterial Communities in Commercial Turkey Farms. Frontiers in Veterinary Science, 2020, 7, 596933.	2.2	8
65	Addition of Different Levels of Humic Substances Extracted from Worm Compost in Broiler Feeds. Animals, 2021, 11, 3199.	2.3	8
66	Histomonosis in Poultry: A Comprehensive Review. Frontiers in Veterinary Science, 2022, 9, .	2.2	8
67	A feed restriction milieu for Pekin meat ducks that may improve gait characteristics but also affects gut leakiness. Poultry Science, 2020, 99, 39-47.	3.4	7
68	Use of Prebiotics as an Alternative to Antibiotic Growth Promoters in the Poultry Industry. , 0, , .		7
69	Effects of humic acids on the recovery of different bacterial strains in an in vitro chicken digestive model. Research in Veterinary Science, 2022, 145, 21-28.	1.9	7
70	Evaluation of Intestinal Permeability and Liver Bacterial Translocation in Two Modern Broilers and Their Jungle Fowl Ancestor. Frontiers in Genetics, 2019, 10, 480.	2.3	6
71	Control of Aflatoxicosis in Poultry Using Probiotics and Polymers. , 0, , .		6
72	The Use of Probiotics in Poultry Production for the Control of Bacterial Infections and Aflatoxins. , 0, , .		6

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73	Spray-Dried Plasma Improves Body Weight, Intestinal Barrier Function, and Tibia Strength during Experimental Constant Heat Stress Conditions. Animals, 2021, 11, 2213.	2.3	6
74	Whole-Genome Sequence and Interaction Analysis in the Production of Six Enzymes From the Three Bacillus Strains Present in a Commercial Direct-Fed Microbial (Norumâ,,¢) Using a Bliss Independence Test. Frontiers in Veterinary Science, 2022, 9, 784387.	2.2	6
75	Effect of Graded Levels of Fenugreek (Trigonella foenum-graecum L.) Seeds on the Growth Performance, Hematological Parameters, and Intestinal Histomorphology of Broiler Chickens. Veterinary Sciences, 2022, 9, 207.	1.7	6
76	Experimental Cyclic Heat Stress on Intestinal Permeability, Bone Mineralization, Leukocyte Proportions and Meat Quality in Broiler Chickens. Animals, 2022, 12, 1273.	2.3	6
77	Assessment of Fermented Soybean Meal on Salmonella typhimurium Infection in Neonatal Turkey Poults. Animals, 2020, 10, 1849.	2.3	5
78	Effect of Dietary Fiber Sources on In-Vitro Fermentation and Microbiota in Monogastrics. Animals, 2020, 10, 674.	2.3	5
79	Differential expression of nuclear genes encoding mitochondrial proteins from urban and rural populations in Morocco. Cell Stress and Chaperones, 2020, 25, 847-856.	2.9	5
80	Protective Immunity Induced by an Eimeria tenella Whole Sporozoite Vaccine Elicits Specific B-Cell Antigens. Animals, 2021, 11, 1344.	2.3	5
81	Evaluation of Avian Reovirus S1133 Vaccine Strain in Neonatal Broiler Chickens in Gastrointestinal Integrity and Performance in a Large-Scale Commercial Field Trial. Vaccines, 2021, 9, 817.	4.4	5
82	Immunotherapy With Egg Yolk Eimeria spSpecific Immunoglobulins in SPF Leghorn Chicks Elicits Successful Protection Against Eimeria tenella Infection. Frontiers in Veterinary Science, 2021, 8, 758379.	2.2	5
83	Evaluation of live-attenuated Histomonas meleagridis isolates as vaccine candidates against wild-type challenge. Poultry Science, 2022, 101, 101656.	3.4	5
84	Chitoneous Materials for Control of Foodborne Pathogens and Mycotoxins in Poultry., 0,,.		4
85	Comparison of oil emulsion, mannosylated chitosan, and Bacillus vector adjuvants for vaccination against influenza in chickens. Journal of Applied Poultry Research, 2020, 29, 653-664.	1.2	4
86	Development of a wild-type Escherichia coli environmental bloom model to evaluate alternatives to formaldehyde fumigation in broiler chicken hatch cabinets. Poultry Science, 2021, 100, 100975.	3 . 4	4
87	Research Note: Application of an Escherichia coli spray challenge model for neonatal broiler chickens. Poultry Science, 2021, 100, 100988.	3.4	4
88	Transformation of Dunaliella salina by Agrobacterium tumefaciens for the Expression of the Hemagglutinin of Avian Influenza Virus H5. Microorganisms, 2022, 10, 361.	3.6	4
89	Editorial: Alternatives to Antimicrobial Growth Promoters and Their Impact in Gut Microbiota, Health and Disease: Volume II. Frontiers in Veterinary Science, 2022, 9, 857583.	2.2	4
90	The Ability of Chlorophyll to Trap Carcinogen Aflatoxin B1: A Theoretical Approach. International Journal of Molecular Sciences, 2022, 23, 6068.	4.1	4

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91	Isolation and Antimicrobial Sensitivity of Mycoplasma synoviae and Mycoplasma gallisepticum from Vaccinated Hens in Mexico. Pathogens, 2020, 9, 924.	2.8	3
92	Draft Genome Sequence of Clostridium perfringens Strain TAMU, Which Causes Necrotic Enteritis in Broiler Chickens. Microbiology Resource Announcements, 2020, 9, .	0.6	3
93	Research Note: Fate and dissemination of Salmonella enterica serovar reading in turkeys at processing using an oral gavage challenge model. Poultry Science, 2021, 100, 101114.	3.4	3
94	A comparison of formic acid or monoglycerides to formaldehyde on production efficiency, nutrient absorption, and meat yield and quality of Cobb 700 broilers. Poultry Science, 2021, 100, 101476.	3.4	3
95	Productive Performance and Cecum Microbiota Analysis of Broiler Chickens Supplemented with β-Mannanases and Bacteriophages—A Pilot Study. Animals, 2022, 12, 169.	2.3	3
96	Evaluation of the efficacy of a candidate turkey cellulitis/dermatitis oil emulsion vaccine on immune response and mortality under laboratory and commercial conditions. Journal of Applied Poultry Research, 2019, 28, 818-825.	1.2	2
97	A rapid and simple singleâ€step method for the purification of ⟨i⟩Toxoplasma gondii⟨/i⟩ tachyzoites and bradyzoites. Veterinary Medicine and Science, 2021, 7, 357-361.	1.6	2
98	Prokaryotes Rule the World., 2018,,.		1
99	Combination of a <i>Lactobacillus</i> -Based Probiotic and Organic Acids Decrease Egg to Chick Weight Loss and Reduce <i>Salmonella</i> spp. Counts in the Litter of Commercial Broiler Breeders. Food and Nutrition Sciences (Print), 2019, 10, 1011-1020.	0.4	1
100	The role of probiotics in optimizing gut function in poultry. Burleigh Dodds Series in Agricultural Science, 2019, , 347-370.	0.2	1
101	Antibacterial activity of chitosan biofilm for the conservation of fertile and table eggs. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2020, 72, 208-214.	0.4	1
102	Molecular Detection of Tick-Borne Rickettsial Pathogens Associated with the Arabian Camel (Camelus) Tj ETQq0	0 0 rgBT /	Overlock 10
103	Value and Limitations of Formaldehyde for Hatch Cabinet Applications: The Search for Alternatives. , 0, , .		1
104	Assessment of a Nutritional Rehabilitation Model in Two Modern Broilers and Their Jungle Fowl Ancestor. , 2018, , .		0
105	Evaluation of in ovo Bacillus spp. based probiotic administration on horizontal transmission of virulent Escherichia coli in neonatal broiler chickens. Poultry Science, 2020, 99, 2301.	3.4	0
106	Reverse Thermosensitivity and Vertical Transmission of the MSâ^'H Vaccine Strain of <i>Mycoplasma synoviae</i> in Commercial Laying Hens. SSRN Electronic Journal, 0, , .	0.4	0
107	Combination of a <i>Lactobacillus</i> -Based Probiotic and Organic Acids Decrease Egg to Chick Weight Loss and Reduce <i>Salmonella</i> spp. Counts in the Litter of Commercial Broiler Breeders. Food and Nutrition Sciences (Print), 2019, 10, 1011-1020.	0.4	0
108	Meat quality attributes associated with woody breast and effect of location and freezing on breast fillet. Meat and Muscle Biology, 0 , , .	1.9	0

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109	Research Note: Virulence gene downregulation and reduced intestinal colonization of Salmonella enterica serovar Typhimurium PHL2020 isolate in broilers by a natural antimicrobial (NeutraPathâ,,¢). Poultry Science, 2022, 101, 101822.	3.4	O
110	Use of Humic Substances from Vermicompost in Poultry. , 0, , .		0
111	Histological Identification and Quantification of Eosinophils and Ascites in Leghorn Chickens Treated with High Oral Concentrations of NaCl–Pilot Study. Toxics, 2022, 10, 381.	3.7	O