

# Michael H Kogut

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189 papers	5,764 citations	45 h-index	64 g-index
199 ext. papers	6,702 ext. citations	3.5 avg, IF	6.17 L-index

#	Paper	IF	Citations
189	Factors modulating the avian immune system <b>2022</b> , 419-435		
188	Impact of the gut microbiota on the immune system <b>2022</b> , 353-364		1
187	Avian granulocytes <b>2022</b> , 197-203		0
186	A blend of microencapsulated organic acids and botanicals reduces necrotic enteritis via specific signaling pathways in broilers.. <i>Poultry Science</i> , <b>2022</b> , 101, 101753	3.9	2
185	Enzymes and Gut Health in Monogastric Animals: Effects Beyond Digestibility. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , <b>2022</b> , 33-55		0
184	Immunophysiology of the avian immune system <b>2022</b> , 571-590		0
183	Potential Replacements for Antibiotic Growth Promoters in Poultry: Interactions at the Gut Level and Their Impact on Host Immunity. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1354, 145-159	3.6	2
182	Role of diet-microbiota interactions in precision nutrition of the chicken: facts, gaps, and new concepts.. <i>Poultry Science</i> , <b>2022</b> , 101, 101673	3.9	3
181	Effects of <i>Salmonella enterica</i> ser. Enteritidis and Heidelberg on host CD4+CD25+ regulatory T cell suppressive immune responses in chickens. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260280	3.7	0
180	From crypts to enteroids: establishment and characterization of avian intestinal organoids.. <i>Poultry Science</i> , <b>2021</b> , 101, 101642	3.9	0
179	Reserpine improves Enterobacteriaceae resistance in chicken intestine via neuro-immunometabolic signaling and MEK1/2 activation. <i>Communications Biology</i> , <b>2021</b> , 4, 1359	6.7	0
178	Controlling the Colonization of in Broiler Chickens by an Electron-Beam-Killed Vaccine. <i>Animals</i> , <b>2021</b> , 11,	3.1	1
177	Novel Models for Chronic Intestinal Inflammation in Chickens: Intestinal Inflammation Pattern and Biomarkers. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 676628	8.4	3
176	Heat Stress and Feed Restriction Distinctly Affect Performance, Carcass and Meat Yield, Intestinal Integrity, and Inflammatory (Chemo)Cytokines in Broiler Chickens. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 707757	4.6	10
175	Supplementing chestnut tannins in the broiler diet mediates a metabolic phenotype of the ceca. <i>Poultry Science</i> , <b>2021</b> , 100, 47-54	3.9	5
174	The biological effects of microencapsulated organic acids and botanicals induces tissue-specific and dose-dependent changes to the <i>Gallus gallus</i> microbiota. <i>BMC Microbiology</i> , <b>2020</b> , 20, 332	4.5	4
173	Microbiome and pathogen interaction with the immune system. <i>Poultry Science</i> , <b>2020</b> , 99, 1906-1913	3.9	29

172	The Effect of Acid Sanitizers on the Microbiome of Re-use Water. <i>Frontiers in Sustainable Food Systems</i> , <b>2020</b> , 4,	4.8	2
171	Influential factors on the composition of the conventionally raised broiler gastrointestinal microbiomes. <i>Poultry Science</i> , <b>2020</b> , 99, 653-659	3.9	28
170	Dietary Factors as Triggers of Low-Grade Chronic Intestinal Inflammation in Poultry. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	18
169	Poultry processing and the application of microbiome mapping. <i>Poultry Science</i> , <b>2020</b> , 99, 678-688	3.9	14
168	Feeding of yeast cell wall extracts during a necrotic enteritis challenge enhances cell growth, survival and immune signaling in the jejunum of broiler chickens. <i>Poultry Science</i> , <b>2020</b> , 99, 2955-2966	3.9	4
167	A microencapsulated feed additive containing organic acids, thymol, and vanillin increases in vitro functional activity of peripheral blood leukocytes from broiler chicks. <i>Poultry Science</i> , <b>2020</b> , 99, 3428-3436	3.9	11
166	A Role for the Microbiota in the Immune Phenotype Alteration Associated with the Induction of Disease Tolerance and Persistent Asymptomatic Infection of in the Chicken. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	1
165	Oral Treatment With Ileal Spores Triggers Immunometabolic Shifts in Chicken Gut. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 629	3.1	3
164	Altered expression of lactate dehydrogenase and monocarboxylate transporter involved in lactate metabolism in broiler wooden breast. <i>Poultry Science</i> , <b>2020</b> , 99, 11-20	3.9	9
163	Administration of a Postbiotic Causes Immunomodulatory Responses in Broiler Gut and Reduces Disease Pathogenesis Following Challenge. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	24
162	A Historical Review on Antibiotic Resistance of Foodborne. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1509	5.7	30
161	Dietary l-arginine supplementation influences growth performance and B-cell secretion of immunoglobulin in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2019</b> , 103, 1125-1134	4.6	2
160	Modulation of the Immune Response to Improve Health and Reduce Foodborne Pathogens in Poultry. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	22
159	Inhibition of calmodulin increases intracellular survival of Salmonella in chicken macrophage cells. <i>Veterinary Microbiology</i> , <b>2019</b> , 232, 156-161	3.3	1
158	Advances in Vaccines for Controlling Foodborne Salmonella spp. in Poultry <b>2019</b> , 161-189		
157	Cross-protective Salmonella vaccine reduces cecal and splenic colonization of multidrug-resistant Salmonella enterica serovar Heidelberg. <i>Vaccine</i> , <b>2019</b> , 37, 1255-1259	4.1	4
156	The Preliminary Development of an Poultry Cecal Culture Model to Evaluate the Effects of Original XPC for the Reduction of and Its Potential Effects on the Microbiota. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 3062	5.7	10
155	Short Communication: Preliminary Differences Identified in Genes Responsible for Biofilm Formation in Poultry Isolates of Heidelberg, Enteritidis, and Kentucky. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	1

154	Antibiotics and Host-Tailored Probiotics Similarly Modulate Effects on the Developing Avian Microbiome, Mycobiome, and Host Gene Expression. <i>MBio</i> , <b>2019</b> , 10,	7.8	15
153	Deciphering desirable immune responses from disease models with resistant and susceptible chickens. <i>Poultry Science</i> , <b>2019</b> , 98, 1634-1642	3.9	17
152	The effect of microbiome modulation on the intestinal health of poultry. <i>Animal Feed Science and Technology</i> , <b>2019</b> , 250, 32-40	3	79
151	Inflammatory phenotypes in the intestine of poultry: not all inflammation is created equal. <i>Poultry Science</i> , <b>2018</b> , 97, 2339-2346	3.9	37
150	Inflammation: friend or foe for animal production?. <i>Poultry Science</i> , <b>2018</b> , 97, 510-514	3.9	45
149	Gut immunity: its development and reasons and opportunities for modulation in monogastric production animals. <i>Animal Health Research Reviews</i> , <b>2018</b> , 19, 46-52	2.1	24
148	Influence of different yeast cell wall preparations and their components on performance and immune and metabolic pathways in <i>Clostridium perfringens</i> -challenged broiler chicks. <i>Poultry Science</i> , <b>2018</b> , 97, 203-210	3.9	12
147	Chicken macrophages infected with <i>Salmonella</i> (S.) Enteritidis or S. Heidelberg produce differential responses in immune and metabolic signaling pathways. <i>Veterinary Immunology and Immunopathology</i> , <b>2018</b> , 195, 46-55	2	9
146	The role of the gut microbiome in shaping the immune system of chickens. <i>Veterinary Immunology and Immunopathology</i> , <b>2018</b> , 204, 44-51	2	46
145	Selection for pro-inflammatory mediators produces chickens more resistant to <i>Campylobacter jejuni</i> . <i>Poultry Science</i> , <b>2017</b> , 96, 1623-1627	3.9	11
144	Changes in immune and metabolic gut response in broilers fed ßmannanase in ßmannan-containing diets. <i>Poultry Science</i> , <b>2017</b> , 96, 4307-4316	3.9	37
143	Issues and consequences of using nutrition to modulate the avian immune response. <i>Journal of Applied Poultry Research</i> , <b>2017</b> , 26, 605-612	2	20
142	The Relationship Between the Immune Response and Susceptibility to <i>Salmonella enterica</i> Serovar Enteritidis Infection in the Laying Hen <b>2017</b> , 209-234		
141	Differential Levels of Cecal Colonization by Enteritidis in Chickens Triggers Distinct Immune Kinome Profiles. <i>Frontiers in Veterinary Science</i> , <b>2017</b> , 4, 214	3.1	6
140	Immunometabolic Phenotype Alterations Associated with the Induction of Disease Tolerance and Persistent Asymptomatic Infection of in the Chicken Intestine. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 372	8.4	29
139	Gut health in poultry.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , <b>2017</b> , 12,	3.2	11
138	Selection for pro-inflammatory mediators produces chickens more resistant to <i>Clostridium perfringens</i> -induced necrotic enteritis. <i>Poultry Science</i> , <b>2016</b> , 95, 370-4	3.9	12
137	AMPK and mTOR: sensors and regulators of immunometabolic changes during <i>Salmonella</i> infection in the chicken. <i>Poultry Science</i> , <b>2016</b> , 95, 345-53	3.9	26

136	Wild-type and mutant AvrA- Salmonella induce broadly similar immune pathways in the chicken ceca with key differences in signaling intermediates and inflammation. <i>Poultry Science</i> , <b>2016</b> , 95, 354-63	3.9	6
135	Chicken-Specific Kinome Array Reveals that Salmonella enterica Seroovar Enteritidis Modulates Host Immune Signaling Pathways in the Cecum to Establish a Persistence Infection. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	30
134	Spatial and Temporal Changes in the Broiler Chicken Cecal and Fecal Microbiomes and Correlations of Bacterial Taxa with Cytokine Gene Expression. <i>Frontiers in Veterinary Science</i> , <b>2016</b> , 3, 11	3.1	98
133	Electron-Beam-Inactivated Vaccine Against Salmonella Enteritidis Colonization in Molting Hens. <i>Avian Diseases</i> , <b>2015</b> , 59, 165-70	1.6	15
132	Effect of Salmonella infection on cecal tonsil regulatory T cell properties in chickens. <i>Poultry Science</i> , <b>2015</b> , 94, 1828-35	3.9	27
131	A Role for the Non-Canonical Wnt- $\beta$ -Catenin and TGF- $\beta$ Signaling Pathways in the Induction of Tolerance during the Establishment of a Salmonella enterica Seroovar Enteritidis Persistent Cecal Infection in Chickens. <i>Frontiers in Veterinary Science</i> , <b>2015</b> , 2, 33	3.1	18
130	Immunometabolism and the Kinome Peptide Array: A New Perspective and Tool for the Study of Gut Health. <i>Frontiers in Veterinary Science</i> , <b>2015</b> , 2, 44	3.1	9
129	Selection for pro-inflammatory mediators produces chickens more resistant to Eimeria tenella. <i>Poultry Science</i> , <b>2015</b> , 94, 37-42	3.9	21
128	Selection for pro-inflammatory mediators yields chickens with increased resistance against Salmonella enterica serovar Enteritidis. <i>Poultry Science</i> , <b>2014</b> , 93, 535-44	3.9	26
127	Fate of Salmonella Senftenberg in broiler chickens evaluated by challenge experiments. <i>Avian Pathology</i> , <b>2014</b> , 43, 305-9	2.4	22
126	Characterization of cytokine expression induced by avian influenza virus infection with real-time RT-PCR. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1161, 217-33	1.4	9
125	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. <i>Frontiers in Veterinary Science</i> , <b>2014</b> , 1, 26	3.1	19
124	Intramuscular administration of a synthetic CpG-oligodeoxynucleotide modulates functional responses of neutrophils of neonatal foals. <i>PLoS ONE</i> , <b>2014</b> , 9, e109865	3.7	15
123	Critical Role of Glycogen Synthase Kinase-3 $\beta$ in Regulating the Avian Heterophil Response to Salmonella enterica Seroovar Enteritidis. <i>Frontiers in Veterinary Science</i> , <b>2014</b> , 1, 10	3.1	2
122	Perspectives and Research Challenges in Veterinary Infectious Diseases. <i>Frontiers in Veterinary Science</i> , <b>2014</b> , 1, 21	3.1	2
121	A Comparison of the Chicken and Turkey Proteomes and Phosphoproteomes in the Development of Poultry-Specific Immuno-Metabolism Kinome Peptide Arrays. <i>Frontiers in Veterinary Science</i> , <b>2014</b> , 1, 22	3.1	16
120	Utilization of rye as energy source affects bacterial translocation, intestinal viscosity, microbiota composition, and bone mineralization in broiler chickens. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 339	4.5	56
119	The chicken gastrointestinal microbiome. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 360, 100-12	2.9	328

118	Salmonella enterica Typhimurium infection causes metabolic changes in chicken muscle involving AMPK, fatty acid and insulin/mTOR signaling. <i>Veterinary Research</i> , <b>2013</b> , 44, 35	3.8	44
117	The gut microbiota and host innate immunity: Regulators of host metabolism and metabolic diseases in poultry?. <i>Journal of Applied Poultry Research</i> , <b>2013</b> , 22, 637-646	2	43
116	Obligate Brood Parasites Show More Functionally Effective Innate Immune Responses: An Eco-immunological Hypothesis. <i>Evolutionary Biology</i> , <b>2013</b> , 40, 554-561	3	3
115	The avian heterophil. <i>Developmental and Comparative Immunology</i> , <b>2013</b> , 41, 334-40	3.2	85
114	Combined CpG and poly I:C stimulation of monocytes results in unique signaling activation not observed with the individual ligands. <i>Cellular Signalling</i> , <b>2013</b> , 25, 2246-54	4.9	44
113	Enhanced innate immune responses in a brood parasitic cowbird species: Degranulation and oxidative burst. <i>Avian Diseases</i> , <b>2013</b> , 57, 285-9	1.6	1
112	What's so special about chicken immunology? Preface. <i>Developmental and Comparative Immunology</i> , <b>2013</b> , 41, 307-9	3.2	14
111	Modulation of chicken intestinal immune gene expression by small cationic peptides as feed additives during the first week posthatch. <i>Vaccine Journal</i> , <b>2013</b> , 20, 1440-8		27
110	Nitric oxide as a biomarker of intracellular Salmonella viability and identification of the bacteriostatic activity of protein kinase A inhibitor H-89. <i>PLoS ONE</i> , <b>2013</b> , 8, e58873	3.7	10
109	Systemic response to Campylobacter jejuni infection by profiling gene transcription in the spleens of two genetic lines of chickens. <i>Immunogenetics</i> , <b>2012</b> , 64, 59-69	3.2	23
108	Electron-beam Irradiation Inactivation of Salmonella: Effects on Innate Immunity and Induction of Protection Against Salmonella enterica serovar Typhimurium Challenge of Chickens. <i>Procedia in Vaccinology</i> , <b>2012</b> , 6, 47-63		5
107	BT cationic peptides: small peptides that modulate innate immune responses of chicken heterophils and monocytes. <i>Veterinary Immunology and Immunopathology</i> , <b>2012</b> , 145, 151-8	2	13
106	Bacterial toll-like receptor agonists induce sequential NF- $\kappa$ B-mediated leukotriene B4 and prostaglandin E2 production in chicken heterophils. <i>Veterinary Immunology and Immunopathology</i> , <b>2012</b> , 145, 159-70	2	10
105	Neutrophil function of neonatal foals is enhanced in vitro by CpG oligodeoxynucleotide stimulation. <i>Veterinary Immunology and Immunopathology</i> , <b>2012</b> , 145, 290-7	2	23
104	Effects of avian triggering receptor expressed on myeloid cells (TREM-A1) activation on heterophil functional activities. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 36, 157-65	3.2	9
103	Yeast-surface expressed BVDV E2 protein induces a Th1/Th2 response in naïve T cells. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 107-14	3.2	17
102	Co-stimulation with TLR3 and TLR21 ligands synergistically up-regulates Th1-cytokine IFN- $\gamma$ and regulatory cytokine IL-10 expression in chicken monocytes. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 36, 756-60	3.2	49
101	A comparative study on invasion, survival, modulation of oxidative burst, and nitric oxide responses of macrophages (HD11), and systemic infection in chickens by prevalent poultry Salmonella serovars. <i>Foodborne Pathogens and Disease</i> , <b>2012</b> , 9, 1104-10	3.8	46

100	Gene Expression Analysis of Toll-Like Receptor Pathways in Heterophils from Genetic Chicken Lines that Differ in Their Susceptibility to <i>Salmonella enteritidis</i> . <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 121	4.5	45
99	Loxoribine pretreatment reduces <i>Salmonella Enteritidis</i> organ invasion in 1-day-old chickens. <i>Poultry Science</i> , <b>2012</b> , 91, 1038-42	3.9	16
98	Effects of Prebiotics and Probiotics on the Host Immune Response <b>2012</b> , 61-72		7
97	Modulation of chicken macrophage effector function by T(H)1/T(H)2 cytokines. <i>Cytokine</i> , <b>2011</b> , 53, 363-94		64
96	Caecal transcriptome analysis of colonized and non-colonized chickens within two genetic lines that differ in caecal colonization by <i>Campylobacter jejuni</i> . <i>Animal Genetics</i> , <b>2011</b> , 42, 491-500	2.5	24
95	Broiler breeders with an efficient innate immune response are more resistant to <i>Eimeria tenella</i> . <i>Poultry Science</i> , <b>2011</b> , 90, 1014-9	3.9	25
94	CpG oligodeoxynucleotide and double-stranded RNA synergize to enhance nitric oxide production and mRNA expression of inducible nitric oxide synthase, pro-inflammatory cytokines and chemokines in chicken monocytes. <i>Innate Immunity</i> , <b>2011</b> , 17, 137-44	2.7	37
93	Protein tyrosine kinase and mitogen-activated protein kinase signalling pathways contribute to differences in heterophil-mediated innate immune responsiveness between two lines of broilers. <i>Avian Pathology</i> , <b>2011</b> , 40, 289-97	2.4	6
92	Gene expression profiling of the local cecal response of genetic chicken lines that differ in their susceptibility to <i>Campylobacter jejuni</i> colonization. <i>PLoS ONE</i> , <b>2010</b> , 5, e11827	3.7	56
91	Feeding the BT cationic peptides to chickens at hatch reduces cecal colonization by <i>Salmonella enterica</i> serovar <i>Enteritidis</i> and primes innate immune cell functional activity. <i>Foodborne Pathogens and Disease</i> , <b>2010</b> , 7, 23-30	3.8	13
90	Expression of the avian-specific toll-like receptor 15 in chicken heterophils is mediated by gram-negative and gram-positive bacteria, but not TLR agonists. <i>Veterinary Immunology and Immunopathology</i> , <b>2010</b> , 136, 151-6	2	53
89	Selection of broilers with improved innate immune responsiveness to reduce on-farm infection by foodborne pathogens. <i>Foodborne Pathogens and Disease</i> , <b>2009</b> , 6, 777-83	3.8	49
88	An immunologist's perspective on nutrition, immunity, and infectious diseases: Introduction and overview. <i>Journal of Applied Poultry Research</i> , <b>2009</b> , 18, 103-110	2	40
87	Expression profile of toll-like receptors within the gastrointestinal tract of 2-day-old <i>Salmonella enteritidis</i> -infected broiler chickens. <i>Veterinary Microbiology</i> , <b>2009</b> , 137, 313-9	3.3	53
86	Differential mRNA expression of the avian-specific toll-like receptor 15 between heterophils from <i>Salmonella</i> -susceptible and -resistant chickens. <i>Immunogenetics</i> , <b>2009</b> , 61, 71-7	3.2	46
85	The selective Dectin-1 agonist, curdlan, induces an oxidative burst response in chicken heterophils and peripheral blood mononuclear cells. <i>Veterinary Immunology and Immunopathology</i> , <b>2009</b> , 127, 162-6 <sup>2</sup>		29
84	In ovo treatment with CpG oligodeoxynucleotides decreases colonization of <i>Salmonella enteritidis</i> in broiler chickens. <i>Veterinary Immunology and Immunopathology</i> , <b>2009</b> , 127, 371-5	2	43
83	Chicken scavenger receptors and their ligand-induced cellular immune responses. <i>Molecular Immunology</i> , <b>2009</b> , 46, 2218-25	4.3	15



82	Impact of nutrition on the innate immune response to infection in poultry. <i>Journal of Applied Poultry Research</i> , <b>2009</b> , 18, 111-124	2	35
81	Presence of Interferon-Gamma and IL-2 in Supernatants of Salmonella enteritidis-Immune Lymphokines. <i>International Journal of Poultry Science</i> , <b>2009</b> , 8, 820-823	0.3	0
80	Gene expression profiling in chicken heterophils with Salmonella enteritidis stimulation using a chicken 44 K Agilent microarray. <i>BMC Genomics</i> , <b>2008</b> , 9, 526	4.5	60
79	Differential induction of nitric oxide, degranulation, and oxidative burst activities in response to microbial agonist stimulations in monocytes and heterophils from young commercial turkeys. <i>Veterinary Immunology and Immunopathology</i> , <b>2008</b> , 123, 177-85	2	22
78	Profiling pro-inflammatory cytokine and chemokine mRNA expression levels as a novel method for selection of increased innate immune responsiveness. <i>Veterinary Immunology and Immunopathology</i> , <b>2008</b> , 126, 35-42	2	44
77	Phospholipase C, phosphatidylinositol 3-kinase, and intracellular [Ca(2+)] mediate the activation of chicken HD11 macrophage cells by CpG oligodeoxynucleotide. <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 1111-8	3.2	7
76	The paternal effect of Campylobacter jejuni colonization in ceca in broilers. <i>Poultry Science</i> , <b>2008</b> , 87, 1742-7	3.9	39
75	Flagellin and lipopolysaccharide up-regulation of IL-6 and CXCLi2 gene expression in chicken heterophils is mediated by ERK1/2-dependent activation of AP-1 and NF-kappaB signaling pathways. <i>Innate Immunity</i> , <b>2008</b> , 14, 213-22	2.7	44
74	Measurement of avian cytokines with real-time RT-PCR following infection with the avian influenza virus. <i>Methods in Molecular Biology</i> , <b>2008</b> , 436, 127-34	1.4	3
73	Dynamics of the avian inflammatory response to Salmonella following administration of the Toll-like receptor 5 agonist flagellin. <i>FEMS Immunology and Medical Microbiology</i> , <b>2007</b> , 51, 112-7		20
72	In vivo priming heterophil innate immune functions and increasing resistance to Salmonella enteritidis infection in neonatal chickens by immune stimulatory CpG oligodeoxynucleotides. <i>Veterinary Immunology and Immunopathology</i> , <b>2007</b> , 117, 275-83	2	55
71	Comparison of MAP and tyrosine kinase signaling in heterophils from commercial and wild-type turkeys. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 927-33	3.2	10
70	Flagellin and lipopolysaccharide stimulate the MEK-ERK signaling pathway in chicken heterophils through differential activation of the small GTPases, Ras and Rap1. <i>Molecular Immunology</i> , <b>2007</b> , 44, 1729-36	4.3	33
69	Synergy of CpG oligodeoxynucleotide and double-stranded RNA (poly I:C) on nitric oxide induction in chicken peripheral blood monocytes. <i>Molecular Immunology</i> , <b>2007</b> , 44, 3234-42	4.3	75
68	Comparison of heterophil functions of modern commercial and wild-type Rio Grande turkeys. <i>Avian Pathology</i> , <b>2006</b> , 35, 217-23	2.4	11
67	The feathering gene is linked to degranulation and oxidative burst not cytokine/chemokine mRNA expression levels or Salmonella enteritidis organ invasion in broilers. <i>Avian Pathology</i> , <b>2006</b> , 35, 465-70	2.4	8
66	Heterophil cytokine mRNA profiles from genetically distinct lines of chickens with differential heterophil-mediated innate immune responses. <i>Avian Pathology</i> , <b>2006</b> , 35, 102-8	2.4	41
65	Profile of Toll-like receptor expressions and induction of nitric oxide synthesis by Toll-like receptor agonists in chicken monocytes. <i>Molecular Immunology</i> , <b>2006</b> , 43, 783-9	4.3	96



64	Involvement of phosphatidylinositol-phospholipase C in immune response to Salmonella lipopolysaccharide in chicken macrophage cells (HD11). <i>International Immunopharmacology</i> , <b>2006</b> , 6, 1780-1787	5.8	19
63	Response of nitric oxide production to CpG oligodeoxynucleotides in turkey and chicken peripheral blood monocytes. <i>FEMS Immunology and Medical Microbiology</i> , <b>2006</b> , 48, 99-106		20
62	Toll-like receptor agonists stimulate differential functional activation and cytokine and chemokine gene expression in heterophils isolated from chickens with differential innate responses. <i>Microbes and Infection</i> , <b>2006</b> , 8, 1866-74	9.3	88
61	CpG-oligodeoxynucleotide-stimulated chicken heterophil degranulation is serum cofactor and cell surface receptor dependent. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 255-64	3.2	25
60	Recombinant chicken IL-6 does not activate heterophils isolated from day-old chickens in vitro. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 375-83	3.2	20
59	Expression and function of Toll-like receptors in chicken heterophils. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 791-807	3.2	193
58	Lipopolysaccharide binding protein/CD14/TLR4-dependent recognition of salmonella LPS induces the functional activation of chicken heterophils and up-regulation of pro-inflammatory cytokine and chemokine gene expression in these cells. <i>Animal Biotechnology</i> , <b>2005</b> , 16, 165-81	1.4	69
57	Heterophils are associated with resistance to systemic Salmonella enteritidis infections in genetically distinct chicken lines. <i>FEMS Immunology and Medical Microbiology</i> , <b>2005</b> , 43, 149-54		51
56	Purified beta-glucan as an abiotic feed additive up-regulates the innate immune response in immature chickens against Salmonella enterica serovar Enteritidis. <i>International Journal of Food Microbiology</i> , <b>2005</b> , 98, 309-18	5.8	123
55	In vitro activation of chicken leukocytes and in vivo protection against Salmonella enteritidis organ invasion and peritoneal S. enteritidis infection-induced mortality in neonatal chickens by immunostimulatory CpG oligodeoxynucleotide. <i>FEMS Immunology and Medical Microbiology</i> , <b>2005</b> , 43, 81-9		56
54	IFN-gamma priming of chicken heterophils upregulates the expression of proinflammatory and Th1 cytokine mRNA following receptor-mediated phagocytosis of Salmonella enterica serovar enteritidis. <i>Journal of Interferon and Cytokine Research</i> , <b>2005</b> , 25, 73-81	3.5	56
53	Differential cytokine mRNA expression in heterophils isolated from Salmonella-resistant and -susceptible chickens. <i>Immunology</i> , <b>2004</b> , 113, 139-48	7.8	118
52	Heterophils isolated from chickens resistant to extra-intestinal Salmonella enteritidis infection express higher levels of pro-inflammatory cytokine mRNA following infection than heterophils from susceptible chickens. <i>Epidemiology and Infection</i> , <b>2004</b> , 132, 1029-37	4.3	64
51	rP33 activates bacterial killing by chicken peripheral blood heterophils. <i>Journal of Food Protection</i> , <b>2003</b> , 66, 787-92	2.5	8
50	Differential activation of signal transduction pathways mediating oxidative burst by chicken heterophils in response to stimulation with lipopolysaccharide and lipoteichoic acid. <i>Inflammation</i> , <b>2003</b> , 27, 225-31	5.1	26
49	CpG-ODN-induced nitric oxide production is mediated through clathrin-dependent endocytosis, endosomal maturation, and activation of PKC, MEK1/2 and p38 MAPK, and NF-kappaB pathways in avian macrophage cells (HD11). <i>Cellular Signalling</i> , <b>2003</b> , 15, 911-7	4.9	67
48	Inflammatory agonist stimulation and signal pathway of oxidative burst in neonatal chicken heterophils. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2003</b> , 135, 177-84	2.6	38
47	Differential regulation of cytokine gene expression by avian heterophils during receptor-mediated phagocytosis of opsonized and nonopsonized Salmonella enteritidis. <i>Journal of Interferon and Cytokine Research</i> , <b>2003</b> , 23, 319-27	3.5	93

46	Functional comparison of heterophils isolated from commercial broiler chickens. <i>Avian Pathology</i> , <b>2003</b> , 32, 95-102	2.4	50
45	Association between in vitro heterophil function and the feathering gene in commercial broiler chickens. <i>Avian Pathology</i> , <b>2003</b> , 32, 483-8	2.4	22
44	Priming by recombinant chicken interleukin-2 induces selective expression of IL-8 and IL-18 mRNA in chicken heterophils during receptor-mediated phagocytosis of opsonized and nonopsonized <i>Salmonella enterica</i> serovar enteritidis. <i>Molecular Immunology</i> , <b>2003</b> , 40, 603-10	4.3	37
43	Oxidative burst mediated by toll like receptors (TLR) and CD14 on avian heterophils stimulated with bacterial toll agonists. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 423-9	3.2	74
42	Identification of CpG oligodeoxynucleotide motifs that stimulate nitric oxide and cytokine production in avian macrophage and peripheral blood mononuclear cells. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 621-7	3.2	90
41	Differential nitric oxide production by chicken immune cells. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 603-10	3.2	28
40	The use of selective pharmacological inhibitors to delineate signal transduction pathways activated during complement receptor-mediated degranulation in chicken heterophils. <i>International Immunopharmacology</i> , <b>2003</b> , 3, 693-706	5.8	16
39	Pharmacological analysis of signal transduction pathways required for oxidative burst in chicken heterophils stimulated by a Toll-like receptor 2 agonist. <i>International Immunopharmacology</i> , <b>2003</b> , 3, 1677-84	5.8	21
38	Dynamics of a protective avian inflammatory response: the role of an IL-8-like cytokine in the recruitment of heterophils to the site of organ invasion by <i>Salmonella enteritidis</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>2002</b> , 25, 159-72	2.6	45
37	Resistance to velogenic Newcastle disease virus in leghorn chickens by use of prophylactic lymphokines. <i>Avian Diseases</i> , <b>2002</b> , 46, 525-34	1.6	2
36	Selective pharmacological inhibitors reveal the role of Syk tyrosine kinase, phospholipase C, phosphatidylinositol-3Tkinase, and p38 mitogen-activated protein kinase in Fc receptor-mediated signaling of chicken heterophil degranulation. <i>International Immunopharmacology</i> , <b>2002</b> , 2, 963-73	5.8	20
35	Differential effects of age on chicken heterophil functional activation by recombinant chicken interleukin-2. <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 817-30	3.2	43
34	Differential activation of signal transduction pathways mediating phagocytosis, oxidative burst, and degranulation by chicken heterophils in response to stimulation with opsonized <i>Salmonella enteritidis</i> . <i>Inflammation</i> , <b>2001</b> , 25, 7-15	5.1	56
33	Signal transduction pathways activated by engaging immunoglobulin Fc receptors on chicken heterophils. <i>Developmental and Comparative Immunology</i> , <b>2001</b> , 25, 639-46	3.2	12
32	Cytokines and prevention of infectious diseases in poultry: a review. <i>Avian Pathology</i> , <b>2000</b> , 29, 395-404	2.4	23
31	Efficacy of <i>Salmonella enteritidis</i> -immune lymphokines on horizontal transmission of <i>S. arizonae</i> in turkeys and <i>S. gallinarum</i> in chickens. <i>International Journal of Food Microbiology</i> , <b>1999</b> , 48, 139-48	5.8	13
30	Enhancement of phagocytosis and bacterial killing by heterophils from neonatal chicks after administration of <i>Salmonella enteritidis</i> -immune lymphokines. <i>Veterinary Microbiology</i> , <b>1999</b> , 65, 133-43	3.3	11
29	Effect of Induced Molting on Heterophil Function in White Leghorn Hens. <i>Avian Diseases</i> , <b>1999</b> , 43, 538	1.6	29

28	Prophylactic administration of immune lymphokine derived from T cells of Salmonella enteritidis-immune pigs. Protection against Salmonella choleraesuis organ invasion and cecal colonization in weaned pigs. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 473, 299-307	3.6	2
27	Differential expression of adhesion molecules by chicken heterophils activated in vivo with Salmonella enteritidis-immune lymphokines. <i>Veterinary Immunology and Immunopathology</i> , <b>1998</b> , 62, 83-95	2	8
26	Age-dependent phagocytosis and bactericidal activities of the chicken heterophil. <i>Developmental and Comparative Immunology</i> , <b>1998</b> , 22, 103-9	3.2	60
25	Lymphokine-augmented activation of avian heterophils. <i>Poultry Science</i> , <b>1998</b> , 77, 964-71	3.9	25
24	Effect of a Commercial Competitive Exclusion Culture (Preempt [Trademark]) on Mortality and Horizontal Transmission of Salmonella gallinarum in Broiler Chickens. <i>Avian Diseases</i> , <b>1998</b> , 42, 651	1.6	35
23	Efficacy of Two Avian Salmonella-Immune Lymphokines against Liver Invasion in Chickens by Salmonella Serovars with Different O-Group Antigens. <i>Avian Diseases</i> , <b>1997</b> , 41, 181	1.6	7
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21	Neutralization of G-CSF inhibits ILK-induced heterophil influx: granulocyte-colony stimulating factor mediates the Salmonella enteritidis-immune lymphokine potentiation of the acute avian inflammatory response. <i>Inflammation</i> , <b>1997</b> , 21, 9-25	5.1	15
20	Immunoprophylaxis of Salmonella gallinarum infection by Salmonella enteritidis-immune lymphokines in broiler chicks. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 412, 413-20	3.6	3
19	Efficacy of Salmonella enteritidis (SE)-Immune Lymphokines from Chickens and Turkeys on SE Liver Invasion in One-Day-Old Chicks and Turkey Poults. <i>Avian Diseases</i> , <b>1996</b> , 40, 186	1.6	12
18	Evaluation of Salmonella enteritidis-immune lymphokines on host resistance to Salmonella enterica ser. gallinarum infection in broiler chicks. <i>Avian Pathology</i> , <b>1996</b> , 25, 737-49	2.4	15
17	Interaction of dexamethasone and Salmonella enteritidis immune lymphokines on Salmonella enteritidis organ invasion and in vitro polymorphonuclear leukocyte function. <i>FEMS Immunology and Medical Microbiology</i> , <b>1995</b> , 11, 25-34		11
16	Comparison of Prophylactic and Therapeutic Efficacy of Salmonella enteritidis-immune Lymphokines against Salmonella enteritidis Organ Invasion in Neonatal Leghorn Chicks. <i>Avian Diseases</i> , <b>1995</b> , 39, 21	1.6	17
15	In ovo administration of Salmonella enteritidis-immune lymphokines confers protection to neonatal chicks against Salmonella enteritidis organ infectivity. <i>Poultry Science</i> , <b>1995</b> , 74, 18-25	3.9	21
14	Characterization of the pattern of inflammatory cell influx in chicks following the intraperitoneal administration of live Salmonella enteritidis and Salmonella enteritidis-immune lymphokines. <i>Poultry Science</i> , <b>1995</b> , 74, 8-17	3.9	49
13	In vivo activation of heterophil function in chickens following injection with Salmonella enteritidis-immune lymphokines. <i>Journal of Leukocyte Biology</i> , <b>1995</b> , 57, 56-62	6.5	99
12	Dynamics of avian inflammatory response to Salmonella-immune lymphokines. Changes in avian blood leukocyte populations. <i>Inflammation</i> , <b>1994</b> , 18, 373-88	5.1	51
11	Heterophils are decisive components in the early responses of chickens to Salmonella enteritidis infections. <i>Microbial Pathogenesis</i> , <b>1994</b> , 16, 141-51	3.8	93

10	Avian heterophils and monocytes: phagocytic and bactericidal activities against <i>Salmonella enteritidis</i> . <i>Veterinary Microbiology</i> , <b>1994</b> , 38, 293-305	3.3	79
9	Immunoprophylaxis of <i>Salmonella enteritidis</i> Infection by Lymphokines in Leghorn Chicks. <i>Avian Diseases</i> , <b>1993</b> , 37, 1062	1.6	32
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7	The effect of 5-fluorouracil treatment of chicks: a cell depletion model for the study of avian polymorphonuclear leukocytes and natural host defenses. <i>Poultry Science</i> , <b>1993</b> , 72, 1873-80	3.9	31
6	Dynamics of cytokine production during coccidial infections in chickens: colony-stimulating factors and interferon. <i>FEMS Immunology and Medical Microbiology</i> , <b>1993</b> , 6, 45-52		19
5	In vitro interleukin-1 and tumor necrosis factor-alpha production by macrophages from chickens infected with either <i>Eimeria maxima</i> or <i>Eimeria tenella</i> . <i>International Journal for Parasitology</i> , <b>1993</b> , 23, 639-45	4.3	48
4	The effect of cyclosporin A on the development of <i>Eimeria</i> in non-specific hosts. <i>International Journal for Parasitology</i> , <b>1991</b> , 21, 979-83	4.3	9
3	Recombinant interferon-gamma inhibits cell invasion by <i>Eimeria tenella</i> . <i>Journal of Interferon Research</i> , <b>1989</b> , 9, 67-77		48
2	Interferon-g-Mediated Inhibition of the Development of <i>Eimeria tenella</i> in Cultured Cells. <i>Journal of Parasitology</i> , <b>1989</b> , 75, 313	0.9	31
1	The Effect of Silica Injections on the Rejection of <i>Eimeria</i> from Nonspecific Hosts. <i>Journal of Parasitology</i> , <b>1981</b> , 67, 960	0.9	5