Henk P Haagsman

List of Publications by Year
in descending order

96	5,453	87888 38	88630 70
papers	citations	h-index	g-index

96	96	96	6611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antimicrobial host defence peptides: functions and clinical potential. Nature Reviews Drug Discovery, 2020, 19, 311-332.	46.4	762
2	Reduced airway surface pH impairs bacterial killing in the porcine cystic fibrosis lung. Nature, 2012, 487, 109-113.	27.8	691
3	Avian defensins. Veterinary Immunology and Immunopathology, 2008, 124, 1-18.	1.2	175
4	Surfactant-associated proteins: functions and structural variation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 129, 91-108.	1.8	173
5	Avian host defense peptides. Developmental and Comparative Immunology, 2013, 41, 352-369.	2.3	163
6	Cathelicidins: Immunomodulatory Antimicrobials. Vaccines, 2018, 6, 63.	4.4	162
7	Validation of reference genes for quantitative RT-PCR studies in porcine oocytes and preimplantation embryos. BMC Developmental Biology, 2007, 7, 58.	2.1	135
8	Histones as mediators of host defense, inflammation and thrombosis. Future Microbiology, 2016, 11, 441-453.	2.0	132
9	The Î²-Defensin Gallinacin-6 Is Expressed in the Chicken Digestive Tract and Has Antimicrobial Activity against Food-Borne Pathogens. Antimicrobial Agents and Chemotherapy, 2007, 51, 912-922.	3.2	119
10	Antimicrobial and Immunomodulatory Activities of PR-39 Derived Peptides. PLoS ONE, 2014, 9, e95939.	2.5	114
11	Surfactant Collectins and Innate Immunity. Neonatology, 2008, 93, 288-294.	2.0	109
12	The lipids of pulmonary surfactant: dynamics and interactions with proteins. Progress in Lipid Research, 1998, 37, 235-276.	11.6	94
13	Cathelicidins Modulate TLR-Activation and Inflammation. Frontiers in Immunology, 2020, 11, 1137.	4.8	92
14	Extracellular matrix components direct porcine muscle stem cell behavior. Experimental Cell Research, 2010, 316, 341-352.	2.6	81
15	Improved proteolytic stability of chicken cathelicidin-2 derived peptides by d-amino acid substitutions and cyclization. Peptides, 2011, 32, 875-880.	2.4	77
16	Interspecies cathelicidin comparison reveals divergence in antimicrobial activity, TLR modulation, chemokine induction and regulation of phagocytosis. Scientific Reports, 2017, 7, 40874.	3.3	77
17	Chicken heterophils are recruited to the site of Salmonella infection and release antibacterial mature Cathelicidin-2 upon stimulation with LPS. Molecular Immunology, 2009, 46, 1517-1526.	2.2	76
18	CMAP27, a novel chicken cathelicidin-like antimicrobial protein. Veterinary Immunology and Immunopathology, 2005, 106, 321-327.	1.2	75

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19	Cathelicidins Inhibit Escherichia coliâ€“Induced TLR2 and TLR4 Activation in a Viability-Dependent Manner. Journal of Immunology, 2017, 199, 1418-1428.	0.8	75
20	Identification of chicken cathelicidin-2 core elements involved in antibacterial and immunomodulatory activities. Molecular Immunology, 2009, 46, 2465-2473.	2.2	69
21	Inhibition and Eradication of Pseudomonas aeruginosa Biofilms by Host Defence Peptides. Scientific Reports, 2018, 8, 10446.	3.3	69
22	Cathelicidins PMAP-36, LL-37 and CATH-2 are similar peptides with different modes of action. Scientific Reports, 2019, 9, 4780.	3.3	68
23	Isolation and characterization of porcine adult muscleâ€derived progenitor cells. Journal of Cellular Biochemistry, 2008, 105, 1228-1239.	2.6	67
24	Leukocyte-associated Ig-like receptor-1 is a novel inhibitory receptor for surfactant protein D. Journal of Leukocyte Biology, 2014, 96, 105-111.	3.3	64
25	Imaging the antimicrobial mechanism(s) of cathelicidin-2. Scientific Reports, 2016, 6, 32948.	3.3	64
26	Novel human bioactive peptides identified in Apolipoprotein B: Evaluation of their therapeutic potential. Biochemical Pharmacology, 2017, 130, 34-50.	4.4	64
27	Fungicidal Mechanisms of Cathelicidins LL-37 and CATH-2 Revealed by Live-Cell Imaging. Antimicrobial Agents and Chemotherapy, 2014, 58, 2240-2248.	3.2	58
28	Immunomodulatory and Anti-Inflammatory Activities of Chicken Cathelicidin-2 Derived Peptides. PLoS ONE, 2016, 11, e0147919.	2.5	51
29	Characterization and expression sites of newly identified chicken collectins. Molecular Immunology, 2006, 43, 1604-1616.	2.2	49
30	The carbohydrate recognition domain of collectins. FEBS Journal, 2011, 278, 3930-3941.	4.7	48
31	Outer Membrane Vesicle Induction and Isolation for Vaccine Development. Frontiers in Microbiology, 2021, 12, 629090.	3.5	48
32	Antimicrobial and Biophysical Properties of Surfactant Supplemented with an Antimicrobial Peptide for Treatment of Bacterial Pneumonia. Antimicrobial Agents and Chemotherapy, 2015, 59, 3075-3083.	3.2	47
33	Hide, Keep Quiet, and Keep Low: Properties That Make Aspergillus fumigatus a Successful Lung Pathogen. Frontiers in Microbiology, 2016, 7, 438.	3.5	47
34	Antibacterial Defense of Human Airway Epithelial Cells from Chronic Obstructive Pulmonary Disease Patients Induced by Acute Exposure to Nontypeable Haemophilus influenzae: Modulation by Cigarette Smoke. Journal of Innate Immunity, 2017, 9, 359-374.	3.8	47
35	Arginine-rich histones have strong antiviral activity for influenza A viruses. Innate Immunity, 2015, 21, 736-745.	2.4	45
36	Importance of Endosomal Cathelicidin Degradation To Enhance DNA-Induced Chicken Macrophage Activation. Journal of Immunology, 2015, 195, 3970-3977.	0.8	42

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37	A new and efficient culture method for porcine bone marrow-derived M1- and M2-polarized macrophages. Veterinary Immunology and Immunopathology, 2018, 200, 7-15.	1.2	40
38	Alveolar Macrophages, Surfactant Lipids, and Surfactant Protein B Regulate the Induction of Immune Responses via the Airways. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 452-458.	2.9	39
39	Protective effect of in ovo treatment with the chicken cathelicidin analog D-CATH-2 against avian pathogenic E. coli. Scientific Reports, 2016, 6, 26622.	3.3	39
40	Localization and Functions of SP-A and SP-D at Mucosal Surfaces. Fetal and Pediatric Pathology, 2001, 20, 319-339.	0.3	34
41	A cathelicidin-2-derived peptide effectively impairs Staphylococcus epidermidis biofilms. International Journal of Antimicrobial Agents, 2011, 37, 476-479.	2.5	34
42	Alpha 6 integrin is important for myogenic stem cell differentiation. Stem Cell Research, 2011, 7, 112-123.	0.7	33
43	Localization and developmental expression of two chicken host defense peptides: cathelicidin-2 and avian Î²-defensin 9. Developmental and Comparative Immunology, 2016, 61, 48-59.	2.3	32
44	Proinflammatory Cytokines Impair Vitamin Dâ€“Induced Host Defense in Cultured Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 749-761.	2.9	31
45	Expression sites of the collectin SP-D suggest its importance in first line host defence: Power of combining in situ hybridisation, RT-PCR and immunohistochemistry. Molecular Immunology, 2007, 44, 3324-3332.	2.2	29
46	Chicken cathelicidin-2-derived peptides with enhanced immunomodulatory and antibacterial activities against biological warfare agents. International Journal of Antimicrobial Agents, 2010, 36, 271-274.	2.5	28
47	Identification and characterisation of the BPI/LBP/PLUNC-like gene repertoire in chickens reveals the absence of a LBP gene. Developmental and Comparative Immunology, 2011, 35, 285-295.	2.3	28
48	Assessment of the Antiviral Properties of Recombinant Porcine SP-D against Various Influenza A Viruses In Vitro. PLoS ONE, 2011, 6, e25005.	2.5	28
49	Cathelicidin-inspired antimicrobial peptides as novel antifungal compounds. Medical Mycology, 2020, 58, 1073-1084.	0.7	27
50	Effects of surfactant protein D on growth, adhesion and epithelial invasion of intestinal Gram-negative bacteria. Molecular Immunology, 2007, 44, 3517-3527.	2.2	26
51	Killing of Pseudomonas aeruginosa by Chicken Cathelicidin-2 Is Immunogenically Silent, Preventing Lung Inflammation In Vivo. Infection and Immunity, 2017, 85, .	2.2	26
52	Avian pathogenic Escherichia coli-induced activation of chicken macrophage HD11â€¯cells. Developmental and Comparative Immunology, 2018, 87, 75-83.	2.3	26
53	The potential for immunoglobulins and host defense peptides (HDPs) to reduce the use of antibiotics in animal production. Veterinary Research, 2018, 49, 68.	3.0	26
54	Neutrophil Extracellular Traps in the Pathogenesis of Equine Recurrent Uveitis (ERU). Cells, 2019, 8, 1528.	4.1	26

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55	Campylobacter jejuni is highly susceptible to killing by chicken host defense peptide cathelicidin-2 and suppresses intestinal cathelicidin-2 expression in young broilers. Veterinary Microbiology, 2012, 160, 347-354.	1.9	25
56	Imaging the Antistaphylococcal Activity of CATH-2: Mechanism of Attack and Regulation of Inflammatory Response. MSphere, 2017, 2, .	2.9	25
57	Antimicrobial and Immunomodulatory Activity of PMAP-23 Derived Peptides. Protein and Peptide Letters, 2017, 24, 609-616.	0.9	25
58	Introduction of N-Linked Glycans in the Lectin Domain of Surfactant Protein D. Journal of Biological Chemistry, 2011, 286, 20137-20151.	3.4	24
59	Structural and Functional Aspects of the Collectin SP-A. Immunobiology, 2002, 205, 476-489.	1.9	23
60	A Unique Sugar-binding Site Mediates the Distinct Anti-influenza Activity of Pig Surfactant Protein D. Journal of Biological Chemistry, 2012, 287, 26666-26677.	3.4	23
61	Synthetic Antibiotic Derived from Sequences Encrypted in a Protein from Human Plasma. ACS Nano, 2022, 16, 1880-1895.	14.6	23
62	The Juxtamembrane Lysine and Arginine Residues of Surfactant Protein C Precursor Influence Palmitoylation via Effects on Trafficking. American Journal of Respiratory Cell and Molecular Biology, 2001, 25, 156-163.	2.9	22
63	Chicken mannose binding lectin has antiviral activity towards infectious bronchitis virus. Virology, 2017, 509, 252-259.	2.4	21
64	Role of Soluble Innate Effector Molecules in Pulmonary Defense against Fungal Pathogens. Frontiers in Microbiology, 2017, 8, 2098.	3.5	21
65	Outer Membrane Vesicles Protect Gram-Negative Bacteria against Host Defense Peptides. MSphere, 2021, 6, e0052321.	2.9	21
66	A mRNA landscape of bovine embryos after standard and MAPK-inhibited culture conditions: a comparative analysis. BMC Genomics, 2015, 16, 277.	2.8	20
67	Lectin-mediated binding and sialoglycans of porcine surfactant protein D synergistically neutralize influenza A virus. Journal of Biological Chemistry, 2018, 293, 10646-10662.	3.4	19
68	The Antibacterial and Anti-inflammatory Activity of Chicken Cathelicidin-2 combined with Exogenous Surfactant for the Treatment of Cystic Fibrosis-Associated Pathogens. Scientific Reports, 2017, 7, 15545.	3.3	18
69	Characterization of bovine embryos cultured under conditions appropriate for sustaining human naÃ¯ve pluripotency. PLoS ONE, 2017, 12, e0172920.	2.5	17
70	The immunomodulatory effect of cathelicidin-B1 on chicken macrophages. Veterinary Research, 2020, 51, 122.	3.0	16
71	A method to differentiate chicken monocytes into macrophages with proinflammatory properties. Immunobiology, 2020, 225, 152004.	1.9	16
72	Antiviral Activity of Chicken Cathelicidin B1 Against Influenza A Virus. Frontiers in Microbiology, 2020, 11, 426.	3.5	16

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73	CATH-2 and LL-37 increase mannose receptor expression, antigen presentation and the endocytic capacity of chicken mononuclear phagocytes. Molecular Immunology, 2017, 90, 118-125.	2.2	14
74	Heat shock enhances outer-membrane vesicle release in Bordetella spp.. Current Research in Microbial Sciences, 2021, 2, 100009.	2.3	14
75	Avian pathogenic Escherichia coli infection of a chicken lung epithelial cell line. Veterinary Immunology and Immunopathology, 2019, 210, 55-59.	1.2	13
76	Host defence peptides identified in human apolipoprotein B as promising antifungal agents. Applied Microbiology and Biotechnology, 2021, 105, 1953-1964.	3.6	13
77	Developmental regulation of chicken surfactant protein A and its localization in lung. Developmental and Comparative Immunology, 2016, 61, 80-87.	2.3	12
78	Expression and characterization of recombinant chicken mannose binding lectin. Immunobiology, 2017, 222, 518-528.	1.9	12
79	Recombinant porcine surfactant protein D inhibits influenza A virus replication ex vivo. Virus Research, 2014, 181, 22-26.	2.2	11
80	Immunomodulation and effects on microbiota after in ovo administration of chicken cathelicidin-2. PLoS ONE, 2018, 13, e0198188.	2.5	11
81	Assessment of the antiviral properties of recombinant surfactant protein D against influenza B virus in vitro. Virus Research, 2015, 195, 43-46.	2.2	10
82	Prophylactic administration of chicken cathelicidin-2 boosts zebrafish embryonic innate immunity. Developmental and Comparative Immunology, 2016, 60, 108-114.	2.3	10
83	Enhanced Antiviral Activity of Human Surfactant Protein D by Site-Specific Engineering of the Carbohydrate Recognition Domain. Frontiers in Immunology, 2019, 10, 2476.	4.8	10
84	Antifungal activities of surfactant protein D in an environment closely mimicking the lung lining. Molecular Immunology, 2019, 105, 260-269.	2.2	10
85	Involvement of Surfactant Protein D in Ebola Virus Infection Enhancement via Glycoprotein Interaction. Viruses, 2019, 11, 15.	3.3	10
86	PMAP-36 reduces the innate immune response induced by Bordetella bronchiseptica-derived outer membrane vesicles. Current Research in Microbial Sciences, 2021, 2, 100010.	2.3	10
87	Chicken CATH-2 Increases Antigen Presentation Markers on Chicken Monocytes and Macrophages. Protein and Peptide Letters, 2019, 27, 60-66.	0.9	6
88	Modulation of outer membrane vesicle-based immune responses by cathelicidins. Vaccine, 2022, 40, 2399-2408.	3.8	6
89	Reduction of endotoxicity in Bordetella bronchiseptica by lipid A engineering: Characterization of lpxL1 and pagP mutants. Virulence, 2021, 12, 1452-1468.	4.4	5
90	d-enantiomers of CATH-2 enhance the response of macrophages against Streptococcus suis serotype 2. Journal of Advanced Research, 2022, 36, 101-112.	9.5	5

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91	The cathelicidin CATH-2 efficiently neutralizes LPS- and E. coli-induced activation of porcine bone marrow derived macrophages. Veterinary Immunology and Immunopathology, 2022, 244, 110369.	1.2	5
92	PepBiotics, novel cathelicidin-inspired antimicrobials to fight pulmonary bacterial infections. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129951.	2.4	4
93	Pal depletion results in hypervesiculation and affects cell morphology and outer-membrane lipid asymmetry in bordetellae. Research in Microbiology, 2022, , 103937.	2.1	3
94	Antiviral activity of selected cathelicidins against infectious bronchitis virus. Peptide Science, 2022, 114, e24234.	1.8	2
95	Collectin-mediated innate immune defense in the lung. Journal of Organ Dysfunction, 2006, 2, 230-236.	0.3	1
96	Meet the Stem Cells. Contemporary Food Engineering, 2013, , 111-142.	0.2	0