Gill Diamond

List of Publications by Year
in descending order

72 papers	7,173 citations	109321 35 h-index	98798 67 g-index
75 all docs	75 docs citations	75 times ranked	7342 citing authors

#	Article	IF	Citations
1	The role of cationic antimicrobial peptides in innate host defences. Trends in Microbiology, 2000, 8, 402-410.	7.7	1,070
2	The Roles of Antimicrobial Peptides in Innate Host Defense. Current Pharmaceutical Design, 2009, 15, 2377-2392.	1.9	498
3	Tracheal antimicrobial peptide, a cysteine-rich peptide from mammalian tracheal mucosa: peptide isolation and cloning of a cDNA.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3952-3956.	7.1	497
4	Isolation and Characterization of Pleurocidin, an Antimicrobial Peptide in the Skin Secretions of Winter Flounder. Journal of Biological Chemistry, 1997, 272, 12008-12013.	3.4	445
5	The innate immune response of the respiratory epithelium. Immunological Reviews, 2000, 173, 27-38.	6.0	392
6	Induction of cathelicidin in normal and CF bronchial epithelial cells by 1,25-dihydroxyvitamin D3. Journal of Cystic Fibrosis, 2007, 6, 403-410.	0.7	304
7	CD14-dependent Lipopolysaccharide-induced Î²-Defensin-2 Expression in Human Tracheobronchial Epithelium. Journal of Biological Chemistry, 2000, 275, 29731-29736.	3.4	279
8	Inducible expression of an antibiotic peptide gene in lipopolysaccharide-challenged tracheal epithelial cells.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5156-5160.	7.1	267
9	Antimicrobial Peptides from Fish. Pharmaceuticals, 2014, 7, 265-310.	3.8	246
10	Transcriptional Regulation of Î²-Defensin Gene Expression in Tracheal Epithelial Cells. Infection and Immunity, 2000, 68, 113-119.	2.2	196
11	Airway epithelial cells are the site of expression of a mammalian antimicrobial peptide gene.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4596-4600.	7.1	155
12	Coordinate induction of two antibiotic genes in tracheal epithelial cells exposed to the inflammatory mediators lipopolysaccharide and tumor necrosis factor alpha. Infection and Immunity, 1996, 64, 1565-1568.	2.2	152
13	Human Î²-Defensin 2 Is Expressed and Associated with Mycobacterium tuberculosis during Infection of Human Alveolar Epithelial Cells. Infection and Immunity, 2005, 73, 4505-4511.	2.2	150
14	Host Defense Peptides in the Oral Cavity and the Lung: Similarities and Differences. Journal of Dental Research, 2008, 87, 915-927.	5.2	150
15	Mapping of DNAase I sensitive regions on mitotic chromosomes. Cell, 1984, 38, 493-499.	28.9	146
16	Tumor Necrosis Factor Alpha Stimulates Killing of Mycobacterium tuberculosis by Human Neutrophils. Infection and Immunity, 2002, 70, 4591-4599.	2.2	142
17	Characterization of a Fish Antimicrobial Peptide: Gene Expression, Subcellular Localization, and Spectrum of Activity. Antimicrobial Agents and Chemotherapy, 2000, 44, 2039-2045.	3.2	138
18	Activity of an Antimicrobial Peptide Mimetic against Planktonic and Biofilm Cultures of Oral Pathogens. Antimicrobial Agents and Chemotherapy, 2007, 51, 4125-4132.	3.2	130

#	Article	IF	Citations
19	Vitamin D-Mediated Induction of Innate Immunity in Gingival Epithelial Cells. Infection and Immunity, 2011, 79, 2250-2256.	2.2	108
20	Antimicrobial Peptides in the Airway. , 2006, 306, 153-182.		100
21	Distinct Defensin Profiles inNeisseria gonorrhoeaeandChlamydia trachomatisUrethritis Reveal Novel Epithelial Cell-Neutrophil Interactions. Infection and Immunity, 2005, 73, 4823-4833.	2.2	98
22	One of Two Human Lactoferrin Variants Exhibits Increased Antibacterial and Transcriptional Activation Activities and Is Associated with Localized Juvenile Periodontitis. Infection and Immunity, 2003, 71, 6141-6147.	2.2	89
23	Antimycobacterial Agent Based on mRNA Encoding Human Î²-Defensin 2 Enables Primary Macrophages To Restrict Growth ofMycobacterium tuberculosis. Infection and Immunity, 2001, 69, 2692-2699.	2.2	85
24	Modulation of human Î²-defensin-1 (hBD-1) in plasmacytoid dendritic cells (PDC), monocytes, and epithelial cells by influenza virus, Herpes simplex virus, and Sendai virus and its possible role in innate immunity. Journal of Leukocyte Biology, 2011, 90, 343-356.	3.3	84
25	Energy Expenditure and Genotype of Children with Cystic Fibrosis. Pediatric Research, 1994, 35, 451-460.	2.3	78
26	Antimicrobial Peptide Expression Is Developmentally Regulated in the Ovine Gastrointestinal Tract ,. Journal of Nutrition, 1998, 128, 297S-299S.	2.9	78
27	Antiviral Activities of Human Host Defense Peptides. Current Medicinal Chemistry, 2020, 27, 1420-1443.	2.4	71
28	Betaâ€defensins: what are they REALLY doing in the oral cavity?. Oral Diseases, 2011, 17, 628-635.	3.0	62
29	Production of active bovine tracheal antimicrobial peptide in milk of transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14118-14121.	7.1	57
30	Induction of triggering receptor expressed on myeloid cells (TREM-1) in airway epithelial cells by 1,25(OH)₂ vitamin D₃. Innate Immunity, 2012, 18, 250-257.	2.4	56
31	The Genetic Analysis of Mammalian Cell-Cycle Mutants. Annual Review of Genetics, 1985, 19, 389-421.	7.6	52
32	A cross-species analysis of the cystic fibrosis transmembrane conductance regulator. Potential functional domains and regulatory sites. Journal of Biological Chemistry, 1991, 266, 22761-9.	3.4	44
33	Activity of antimicrobial peptide mimetics in the oral cavity: I. Activity against biofilms of Candida albicans. Molecular Oral Microbiology, 2010, 25, 418-425.	2.7	41
34	Coordinated Expression of Tracheal Antimicrobial Peptide and Inflammatory-Response Elements in the Lungs of Neonatal Calves with Acute Bacterial Pneumonia. Infection and Immunity, 2003, 71, 2950-2955.	2.2	38
35	Inhibition of Î²-Defensin Gene Expression in Airway Epithelial Cells by Low Doses of Residual Oil Fly Ash is Mediated by Vanadium. Toxicological Sciences, 2006, 92, 115-125.	3.1	38
36	Activity of antimicrobial peptide mimetics in the oral cavity: II. Activity against periopathogenic biofilms and antiâ€inflammatory activity. Molecular Oral Microbiology, 2010, 25, 426-432.	2.7	38

#	Article	IF	Citations
37	LL-37 disrupts the Kaposi's sarcoma-associated herpesvirus envelope and inhibits infection in oral epithelial cells. Antiviral Research, 2018, 158, 25-33.	4.1	37
38	Self-Assembly of Antimicrobial Peptoids Impacts Their Biological Effects on ESKAPE Bacterial Pathogens. ACS Infectious Diseases, 2022, 8, 533-545.	3.8	35
39	Potent in vitro and in vivo antifungal activity of a small molecule host defense peptide mimic through a membrane-active mechanism. Scientific Reports, 2017, 7, 4353.	3.3	32
40	Suppression of NF-ÎºB-mediated Î²-defensin gene expression in the mammalian airway by the Bordetella type III secretion system. Cellular Microbiology, 2004, 7, 489-497.	2.1	31
41	Activity of Potent and Selective Host Defense Peptide Mimetics in Mouse Models of Oral Candidiasis. Antimicrobial Agents and Chemotherapy, 2014, 58, 3820-3827.	3.2	30
42	Recombinant Expression of Pleurocidin cDNA Using the Pichia pastoris Expression System. Journal of Biomedicine and Biotechnology, 2005, 2005, 374-384.	3.0	29
43	Opportunistic Pathogen Porphyromonas gingivalis Modulates Danger Signal ATP-Mediated Antibacterial NOX2 Pathways in Primary Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2017, 7, 291.	3.9	29
44	Potent Antiviral Activity against HSV-1 and SARS-CoV-2 by Antimicrobial Peptoids. Pharmaceuticals, 2021, 14, 304.	3.8	28
45	Induction of a Rat Enteric Defensin Gene by Hemorrhagic Shock. Infection and Immunity, 1999, 67, 4787-4793.	2.2	27
46	Endotoxin Upregulates Expression of an Antimicrobial Peptide Gene in Mammalian Airway Epithelial Cells. Chest, 1994, 105, 51S-52S.	0.8	26
47	C/EBPÎ± and the Vitamin D Receptor Cooperate in the Regulation of Cathelicidin in Lung Epithelial Cells. Journal of Cellular Physiology, 2015, 230, 464-472.	4.1	25
48	Detection of HBD1 peptide in peripheral blood mononuclear cell subpopulations by intracellular flow cytometry. Peptides, 2003, 24, 1785-1794.	2.4	23
49	Computational Analysis Suggests Beta-Defensins Are Processed to Mature Peptides By Signal Peptidase. Protein and Peptide Letters, 2008, 15, 536-540.	0.9	23
50	Genomic organization and tissue-specific expression of hepcidin in the pacific mutton hamlet, Alphestes immaculatus (Breder, 1936). Fish and Shellfish Immunology, 2011, 31, 1297-1302.	3.6	23
51	Modulation of Human Î²-Defensin-1 Production by Viruses. Viruses, 2017, 9, 153.	3.3	20
52	Induction of CFTR gene expression by 1,25(OH)2 vitamin D3, 25OH vitamin D3, and vitamin D3 in cultured human airway epithelial cells and in mouse airways. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 323-332.	2.5	19
53	Î²-Defensins Coordinate In Vivo to Inhibit Bacterial Infections of the Trachea. Vaccines, 2018, 6, 57.	4.4	19
54	Activation of vitamin D in the gingival epithelium and its role in gingival inflammation and alveolar bone loss. Journal of Periodontal Research, 2019, 54, 444-452.	2.7	18

#	Article	IF	Citations
55	Differential regulation of innate immune response genes in gingival epithelial cells stimulated with Aggregatibacter actinomycetemcomitans. Journal of Periodontal Research, 2007, 43, 071116225247001-???.	2.7	15
56	Evaluation of Antimicrobial Spectrum and Cytotoxic Activity of Pleurocidin for Food Applications. Journal of Food Science, 2004, 69, FMS66.	3.1	14
57	Antifungal Potential of Host Defense Peptide Mimetics in a Mouse Model of Disseminated Candidiasis. Journal of Fungi (Basel, Switzerland), 2018, 4, 30.	3.5	13
58	In vivoï¿½?-defensin gene expression in rat gingival epithelium in response to Actinobacillus actinomycetemcomitans infection. Journal of Periodontal Research, 2006, 41, 567-572.	2.7	12
59	Increased ACE2 Levels and Mortality Risk of Patients With COVID-19 on Proton Pump Inhibitor Therapy. American Journal of Gastroenterology, 2021, 116, 1638-1645.	0.4	12
60	Measuring Antimicrobial Peptide Activity on Epithelial Surfaces in Cell Culture. Methods in Molecular Biology, 2010, 618, 371-382.	0.9	9
61	Cloning of a human S-phase cell cycle gene: use of transient expression for screening.. Molecular and Cellular Biology, 1987, 7, 775-779.	2.3	7
62	Type I interferon and interferonâ€stimulated gene expression in oral epithelial cells. Molecular Oral Microbiology, 2019, 34, 245-253.	2.7	7
63	Maple syrup urine disease (MSUD): Screening for known mutations in Italian patients. Journal of Inherited Metabolic Disease, 1994, 17, 652-660.	3.6	6
64	Molecular Biological Strategies in the Analysis of Antibiotic Peptide Gene Families: The Use Oligonucleotides as Hybridization Probes. , 1997, 78, 151-166.		6
65	Examination of gene expression in saliva samples from COVIDâ€19 patients to study the host defense response against SARSâ€CoVâ€2 in the oral cavity. Molecular Oral Microbiology, 2021, 36, 157-158.	2.7	6
66	A Novel Antimicrobial Peptide from Mammalian Tracheal Mucosa. Chest, 1992, 101, 47S.	0.8	4
67	Retinoic acid induces antimicrobial peptides and cytokines leading to Mycobacterium tuberculosis elimination in airway epithelial cells. Peptides, 2021, 142, 170580.	2.4	3
68	Antifungal Peptides. Journal of Fungi (Basel, Switzerland), 2021, 7, 437.	3.5	2
69	A Novel Immunocompetent Mouse Model for Testing Antifungal Drugs Against Invasive Candida albicans Infection. Journal of Fungi (Basel, Switzerland), 2020, 6, 197.	3.5	1
70	In vivo imaging of the activity of host defense peptide mimetics in a mouse model of invasive candidiasis. , 0, , .		0
71	1272. Efficacy of a Non-Peptide, Small Molecule Mimic of Host Defense Proteins in Mouse Models of Disseminated Candidiasis and Aspergillosis. Open Forum Infectious Diseases, 2020, 7, S653-S653.	0.9	0
72	Potent antiviral activity against HSV-1 and SARS-CoV-2 by antimicrobial peptoids. , 0, , .		0