Gudmundur H Gudmundsson

List of Publications by Year
in descending order

63	7,180	117453 34	128067 60
papers	citations	h-index	g-index

63	63	63	6905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Host Directed Therapy Against Infection by Boosting Innate Immunity. Frontiers in Immunology, 2020, 11, 1209.	2.2	37
2	Innate Effector Systems in Primary Human Macrophages Sensitize Multidrug-Resistant Klebsiella pneumoniae to Antibiotics. Infection and Immunity, 2020, 88, .	1.0	3
3	Azithromycin has lung barrier protective effects in a cell model mimicking ventilator-induced lung injury. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 545-560.	0.9	6
4	Novel aroylated phenylenediamine compounds enhance antimicrobial defense and maintain airway epithelial barrier integrity. Scientific Reports, 2019, 9, 7114.	1.6	12
5	Azithromycin induces epidermal differentiation and multivesicular bodies in airway epithelia. Respiratory Research, 2019, 20, 129.	1.4	17
6	Innovative in vitro method to study ventilator induced lung injury. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 634-642.	0.9	2
7	Bordetella pertussis Adenylate Cyclase Toxin Disrupts Functional Integrity of Bronchial Epithelial Layers. Infection and Immunity, 2018, 86, .	1.0	36
8	Immune responses in the treatment of drug-sensitive pulmonary tuberculosis with phenylbutyrate and vitamin D3 as host directed therapy. BMC Infectious Diseases, 2018, 18, 303.	1.3	35
9	Lactose Induces Phenotypic and Functional Changes of Neutrophils and Macrophages to Alleviate Acute Pancreatitis in Mice. Frontiers in Immunology, 2018, 9, 751.	2.2	28
10	A novel cysteine-linked antibacterial surface coating significantly inhibits bacterial colonization of nasal silicone prongs in a phase one pre-clinical trial. Materials Science and Engineering C, 2018, 93, 782-789.	3.8	10
11	Treatment with Entinostat Heals Experimental Cholera by Affecting Physical and Chemical Barrier Functions of Intestinal Epithelia. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	16
12	Assays for Identifying Inducers of the Antimicrobial Peptide LL-37. Methods in Molecular Biology, 2017, 1548, 271-281.	0.4	3
13	Glucocorticoid dexamethasone down-regulates basal and vitamin D3 induced cathelicidin expression in human monocytes and bronchial epithelial cell line. Immunobiology, 2016, 221, 245-252.	0.8	19
14	Entinostat up-regulates the CAMP gene encoding LL-37 via activation of STAT3 and HIF-1Î± transcription factors. Scientific Reports, 2016, 6, 33274.	1.6	38
15	Cathelicidins positively regulate pancreatic Î²â€cell functions. FASEB Journal, 2016, 30, 884-894.	0.2	22
16	Significant Effects of Oral Phenylbutyrate and Vitamin D3 Adjunctive Therapy in Pulmonary Tuberculosis: A Randomized Controlled Trial. PLoS ONE, 2015, 10, e0138340.	1.1	125
17	Phenylbutyrate induces LL-37-dependent autophagy and intracellular killing of Mycobacterium tuberculosis in human macrophages. Autophagy, 2015, 11, 1688-1699.	4.3	162
18	Phenylbutyrate induces cathelicidin expression via the vitamin D receptor: Linkage to inflammatory and growth factor cytokines pathways. Molecular Immunology, 2015, 63, 530-539.	1.0	37

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19	Ciprofloxacin Affects Host Cells by Suppressing Expression of the Endogenous Antimicrobial Peptides Cathelicidins and Beta-Defensin-3 in Colon Epithelia. Antibiotics, 2014, 3, 353-374.	1.5	11
20	Label-Free Quantitative Mass Spectrometry Reveals Novel Pathways Involved in LL-37 Expression. Journal of Innate Immunity, 2014, 6, 365-376.	1.8	10
21	Boosting innate immunity: Development and validation of a cell-based screening assay to identify LL-37 inducers. Innate Immunity, 2014, 20, 364-376.	1.1	28
22	A review of the innate immune defence of the human foetus and newborn, with the emphasis on antimicrobial peptides. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 1000-1008.	0.7	42
23	Treatment with phenylbutyrate in a pre-clinical trial reduces diarrhea due to enteropathogenic Escherichia coli: link to cathelicidin induction. Microbes and Infection, 2013, 15, 939-950.	1.0	22
24	Oral intake of phenylbutyrate with or without vitamin D3upregulates the cathelicidin LL-37 in human macrophages: a dose finding study for treatment of tuberculosis. BMC Pulmonary Medicine, 2013, 13, 23.	0.8	78
25	Lactose in Human Breast Milk an Inducer of Innate Immunity with Implications for a Role in Intestinal Homeostasis. PLoS ONE, 2013, 8, e53876.	1.1	76
26	Helping the Host: Induction of Antimicrobial Peptides as a Novel Therapeutic Strategy Against Infections. , 2013, , 359-375.		1
27	Efficacy of sodium butyrate adjunct therapy in shigellosis: a randomized, double-blind, placebo-controlled clinical trial. BMC Infectious Diseases, 2012, 12, 111.	1.3	73
28	The anti-microbial peptide LL-37 modulates immune responses in the palatine tonsils where it is exclusively expressed by neutrophils and a subset of dendritic cells. Clinical Immunology, 2012, 142, 139-149.	1.4	13
29	Cod cathelicidin: Isolation of the mature peptide, cleavage site characterisation and developmental expression. Developmental and Comparative Immunology, 2011, 35, 296-303.	1.0	45
30	Functional characterization of codCath, the mature cathelicidin antimicrobial peptide from Atlantic cod (Gadus morhua). Peptides, 2011, 32, 2044-2051.	1.2	44
31	Antimicrobial peptides important in innate immunity. FEBS Journal, 2011, 278, 3942-3951.	2.2	198
32	Phenylbutyrate Counteracts Shigella Mediated Downregulation of Cathelicidin in Rabbit Lung and Intestinal Epithelia: A Potential Therapeutic Strategy. PLoS ONE, 2011, 6, e20637.	1.1	78
33	Phenylbutyrate Induces Antimicrobial Peptide Expression. Antimicrobial Agents and Chemotherapy, 2009, 53, 5127-5133.	1.4	120
34	Characterisation of cathelicidin gene family members in divergent fish species. Molecular Immunology, 2008, 45, 3723-3730.	1.0	100
35	PU.1 and bacterial metabolites regulate the human gene CAMP encoding antimicrobial peptide LL-37 in colon epithelial cells. Molecular Immunology, 2008, 45, 3947-3955.	1.0	75
36	Antimicrobial Components of the Neonatal Gut Affected Upon Colonization. Pediatric Research, 2007, 61, 530-536.	1.1	53

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37	The antimicrobial peptide cathelicidin protects the urinary tract against invasive bacterial infection. Nature Medicine, 2006, 12, 636-641.	15.2	553
38	Induction of the Antimicrobial Peptide CRAMP in the Blood-Brain Barrier and Meninges after Meningococcal Infection. Infection and Immunity, 2006, 74, 6982-6991.	1.0	82
39	Involvement of the Antimicrobial Peptide LL-37 in Human Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1551-1557.	1.1	139
40	Improved outcome in shigellosis associated with butyrate induction of an endogenous peptide antibiotic. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9178-9183.	3.3	259
41	The antimicrobial peptide rCRAMP is present in the central nervous system of the rat. Journal of Neurochemistry, 2005, 93, 1132-1140.	2.1	34
42	Neisseria gonorrhoeae downregulates expression of the human antimicrobial peptide LL-37. Cellular Microbiology, 2005, 7, 1009-1017.	1.1	102
43	Expression and Activity of Î²-Defensins and LL-37 in the Developing Human Lung. Journal of Immunology, 2005, 174, 1608-1615.	0.4	105
44	First line of defense in early human life. Seminars in Perinatology, 2004, 28, 304-311.	1.1	33
45	Sequence analysis of the granulysin and granzyme B genes in familial hemophagocytic lymphohistiocytosis. Human Genetics, 2003, 112, 98-99.	1.8	22
46	Identification of a potent antibacterial factor isolated from bronchoalveolar lavage fluid: guanidine,N-[3-[(aminoiminomethyl)amino]propyl]-N-dodecyl-, a potential source of error in the analysis of antibacterial agents. Rapid Communications in Mass Spectrometry, 2003, 17, 183-191.	0.7	2
47	Antimicrobial Polypeptides of Human Vernix Caseosa and Amniotic Fluid: Implications for Newborn Innate Defense. Pediatric Research, 2003, 53, 211-216.	1.1	168
48	Antimicrobial Polypeptides of Human Vernix Caseosa and Amniotic Fluid: Implications for Newborn Innate Defense. Pediatric Research, 2003, 53, 211-216.	1.1	90
49	Downregulation of bactericidal peptides in enteric infections: A novel immune escape mechanism with bacterial DNA as a potential regulator. Nature Medicine, 2001, 7, 180-185.	15.2	386
50	The human antimicrobial and chemotactic peptides LL-37 and Î±-defensins are expressed by specific lymphocyte and monocyte populations. Blood, 2000, 96, 3086-3093.	0.6	662
51	The human antimicrobial and chemotactic peptides LL-37 and Î±-defensins are expressed by specific lymphocyte and monocyte populations. Blood, 2000, 96, 3086-3093.	0.6	11
52	Structure and organization of the human antimicrobial peptide LL-37 in phospholipid membranes: relevance to the molecular basis for its non-cell-selective activity. Biochemical Journal, 1999, 341, 501-513.	1.7	494
53	Neutrophil antibacterial peptides, multifunctional effector molecules in the mammalian immune system. Journal of Immunological Methods, 1999, 232, 45-54.	0.6	154
54	Structure and organization of the human antimicrobial peptide LL-37 in phospholipid membranes: relevance to the molecular basis for its non-cell-selective activity. Biochemical Journal, 1999, 341, 501.	1.7	142

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55	Conformation-dependent Antibacterial Activity of the Naturally Occurring Human Peptide LL-37. Journal of Biological Chemistry, 1998, 273, 3718-3724.	1.6	547
56	Cloning and Characterization of ZNF189, a Novel HumanKrÃ¼ppel-like Zinc Finger Gene Localized to Chromosome 9q22â€“q31. Genomics, 1998, 50, 213-221.	1.3	17
57	The Expression of the Gene Coding for the Antibacterial Peptide LL-37 Is Induced in Human Keratinocytes during Inflammatory Disorders. Journal of Biological Chemistry, 1997, 272, 15258-15263.	1.6	698
58	PR-39, a proline-rich peptide antibiotic from pig, and FALL-39, a tentative human counterpart. Veterinary Immunology and Immunopathology, 1996, 54, 127-131.	0.5	18
59	The Human Gene FALL39 and Processing of the Cathelin Precursor to the Antibacterial Peptide LL-37 in Granulocytes. FEBS Journal, 1996, 238, 325-332.	0.2	502
60	Cell-free immunity in Cecropia. A model system for antibacterial proteins. FEBS Journal, 1991, 201, 23-31.	0.2	248
61	Cell-free immunity in Cecropia. , 1991, , 189-197.		1
62	Import of Preprocecropin A and Related Precursor Proteins into the Endoplasmic Reticulum. , 1990, , 311-326.		0
63	Insect immunity: cDNA clones coding for the precursor forms of cecropins A and D, antibacterial proteins from Hyalophora cecropia. FEBS Letters, 1987, 226, 8-12.	1.3	36