

Aaron Weinberg

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

4,541
citations

159525

30
h-index

106281

65
g-index

82
all docs

82
docs citations

82
times ranked

5501
citing authors

#	ARTICLE	IF	CITATIONS
1	The Roles of Antimicrobial Peptides in Innate Host Defense. <i>Current Pharmaceutical Design</i> , 2009, 15, 2377-2392.	0.9	498
2	Human epithelial β -defensins 2 and 3 inhibit HIV-1 replication. <i>Aids</i> , 2003, 17, F39-F48.	1.0	388
3	Inducible Expression of Human β -Defensin 2 by <i>Fusobacterium nucleatum</i> in Oral Epithelial Cells: Multiple Signaling Pathways and Role of Commensal Bacteria in Innate Immunity and the Epithelial Barrier. <i>Infection and Immunity</i> , 2000, 68, 2907-2915.	1.0	380
4	Human β -defensin-3 activates professional antigen-presenting cells via Toll-like receptors 1 and 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18631-18635.	3.3	321
5	Expression of the Peptide Antibiotic Human β -Defensin 1 in Cultured Gingival Epithelial Cells and Gingival Tissue. <i>Infection and Immunity</i> , 1998, 66, 4222-4228.	1.0	272
6	Localized antimicrobial peptide expression in human gingiva. <i>Journal of Periodontal Research</i> , 2001, 36, 285-294.	1.4	227
7	Role of bacteria in health and disease of periodontal tissues. <i>Periodontology 2000</i> , 2006, 40, 50-76.	6.3	201
8	Cutting Edge: Human β Defensin 3 is a Novel Antagonist of the HIV-1 Coreceptor CXCR4. <i>Journal of Immunology</i> , 2006, 177, 782-786.	0.4	160
9	An Antimicrobial Peptide Regulates Tumor-Associated Macrophage Trafficking via the Chemokine Receptor CCR2, a Model for Tumorigenesis. <i>PLoS ONE</i> , 2010, 5, e10993.	1.1	125
10	Antimicrobial Properties of Mesenchymal Stem Cells: Therapeutic Potential for Cystic Fibrosis Infection, and Treatment. <i>Stem Cells International</i> , 2016, 2016, 1-12.	1.2	117
11	Short-Chain Fatty Acids from Periodontal Pathogens Suppress Histone Deacetylases, EZH2, and SUV39H1 To Promote Kaposi's Sarcoma-Associated Herpesvirus Replication. <i>Journal of Virology</i> , 2014, 88, 4466-4479.	1.5	80
12	The Toll-like receptor 1/2 agonists Pam3CSK4 and human β -defensin-3 differentially induce interleukin-10 and nuclear factor- κ B signalling patterns in human monocytes. <i>Immunology</i> , 2011, 134, 151-160.	2.0	72
13	Quantification of Human β -Defensin-2 and -3 in Body Fluids: Application for Studies of Innate Immunity. <i>Clinical Chemistry</i> , 2007, 53, 757-765.	1.5	70
14	Epithelial cell-derived antimicrobial peptides are multifunctional agents that bridge innate and adaptive immunity. <i>Periodontology 2000</i> , 2010, 54, 195-206.	6.3	59
15	The Yin and Yang of Human Beta-Defensins in Health and Disease. <i>Frontiers in Immunology</i> , 2012, 3, 294.	2.2	59
16	Human antimicrobial peptides and cancer. <i>Seminars in Cell and Developmental Biology</i> , 2019, 88, 156-162.	2.3	58
17	Human Beta Defensins and Cancer: Contradictions and Common Ground. <i>Frontiers in Oncology</i> , 2019, 9, 341.	1.3	50
18	Determinants of Protection among HIV-1 Exposed Seronegative Persons: An Overview. <i>Journal of Infectious Diseases</i> , 2010, 202, S333-S338.	1.9	49

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19	Human beta-defensins 2 and -3 cointernalize with human immunodeficiency virus via heparan sulfate proteoglycans and reduce infectivity of intracellular virions in tonsil epithelial cells. <i>Virology</i> , 2016, 487, 172-187.	1.1	49
20	Overexpression of human β -defensin-3 in oral dysplasia: Potential role in macrophage trafficking. <i>Oral Oncology</i> , 2009, 45, 696-702.	0.8	47
21	Short chain fatty acids potently induce latent HIV-1 in T-cells by activating P-TEFb and multiple histone modifications. <i>Virology</i> , 2015, 474, 65-81.	1.1	47
22	Mucosal Transmission of Human Immunodeficiency Virus. <i>Current HIV Research</i> , 2012, 10, 3-8.	0.2	46
23	Expression of the Peptide Antibiotic Human β -Defensin 1 in Cultured Gingival Epithelial Cells and Gingival Tissue. <i>Infection and Immunity</i> , 1998, 66, 4222-4228.	1.0	45
24	Multiplex Immunoassay of Lower Genital Tract Mucosal Fluid from Women Attending an Urban STD Clinic Shows Broadly Increased IL1 β and Lactoferrin. <i>PLoS ONE</i> , 2011, 6, e19560.	1.1	45
25	Immunomodulatory Peptide IDR-1018 Decreases Implant Infection and Preserves Osseointegration. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2898-2907.	0.7	43
26	TLR-2 Signaling Promotes IL-17A Production in CD4+CD25+Foxp3+ Regulatory Cells during Oropharyngeal Candidiasis. <i>Pathogens</i> , 2015, 4, 90-110.	1.2	41
27	Mucosal Regulatory T Cells and T Helper 17 Cells in HIV-Associated Immune Activation. <i>Frontiers in Immunology</i> , 2016, 7, 228.	2.2	38
28	Expression of human β -defensin-2 in intratumoral vascular endothelium and in endothelial cells induced by transforming growth factor β . <i>Peptides</i> , 2010, 31, 195-201.	1.2	37
29	Do β -Defensins and Other Antimicrobial Peptides Play a Role in Neuroimmune Function and Neurodegeneration?. <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	0.8	37
30	Nutlin-3 induces apoptosis, disrupts viral latency and inhibits expression of angiopoietin-2 in Kaposi sarcoma tumor cells. <i>Cell Cycle</i> , 2012, 11, 1393-1399.	1.3	34
31	Occurrence of Spontaneous Periodontal Disease in the SAMP1/YitFc Murine Model of Crohn Disease. <i>Journal of Periodontology</i> , 2014, 85, 1799-1805.	1.7	33
32	Characterizing traditionally defined periodontal disease in HIV+ adults. <i>Community Dentistry and Oral Epidemiology</i> , 2009, 37, 427-437.	0.9	31
33	Human β -Defensin 3 Peptide Is Increased and Redistributed in Crohn's Ileitis. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 942-953.	0.9	31
34	Fusobacterium nucleatum-associated β -Defensin Inducer (FAD-I). <i>Journal of Biological Chemistry</i> , 2010, 285, 36523-36531.	1.6	30
35	Human β defensin β induces chemokines from monocytes and macrophages: diminished activity in cells from HIV-infected persons. <i>Immunology</i> , 2013, 140, 413-420.	2.0	30
36	FAD-I, a Fusobacterium nucleatum Cell Wall-Associated Diacylated Lipoprotein That Mediates Human Beta Defensin 2 Induction through Toll-Like Receptor-1/2 (TLR-1/2) and TLR-2/6. <i>Infection and Immunity</i> , 2016, 84, 1446-1456.	1.0	30

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37	Ramping Up Antimicrobial Peptides Against Severe Acute Respiratory Syndrome Coronavirus-2. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 620806.	1.6	28
38	Cell based therapy aides in infection and inflammation resolution in the murine model of cystic fibrosis lung disease. <i>Stem Cell Discovery</i> , 2013, 03, 139-153.	0.5	28
39	Identification of innate immune antiretroviral factors during in vivo and in vitro exposure to HIV-1. <i>Microbes and Infection</i> , 2016, 18, 211-219.	1.0	25
40	<i>Fusobacterium nucleatum</i> and Human Beta-Defensins Modulate the Release of Antimicrobial Chemokine CCL20/Macrophage Inflammatory Protein 3. <i>Infection and Immunity</i> , 2011, 79, 4578-4587.	1.0	24
41	Conceptual Perspectives: Bacterial Antimicrobial Peptide Induction as a Novel Strategy for Symbiosis with the Human Host. <i>Frontiers in Microbiology</i> , 2018, 9, 302.	1.5	24
42	Detection of HBD1 peptide in peripheral blood mononuclear cell subpopulations by intracellular flow cytometry. <i>Peptides</i> , 2003, 24, 1785-1794.	1.2	23
43	Epithelial Innate Immune Response to <i>Acinetobacter baumannii</i> Challenge. <i>Infection and Immunity</i> , 2014, 82, 4458-4465.	1.0	23
44	Proteomic Signatures of Human Oral Epithelial Cells in HIV-Infected Subjects. <i>PLoS ONE</i> , 2011, 6, e27816.	1.1	23
45	HBD-2 binds SARS-CoV-2 RBD and blocks viral entry: Strategy to combat COVID-19. <i>iScience</i> , 2022, 25, 103856.	1.9	23
46	Human papillomavirus oncogenic E6 protein regulates human β -defensin 3 (hBD3) expression via the tumor suppressor protein p53. <i>Oncotarget</i> , 2016, 7, 27430-27444.	0.8	22
47	Membrane damage and repair in primary monocytes exposed to human β -defensin-3. <i>Journal of Leukocyte Biology</i> , 2012, 92, 1083-1091.	1.5	20
48	Isolation of T cells from mouse oral tissues. <i>Biological Procedures Online</i> , 2014, 16, 4.	1.4	20
49	Human β -Defensin-3 Increases CD86 Expression on Monocytes by Activating the ATP-Gated Channel P2X7. <i>Journal of Immunology</i> , 2015, 195, 4438-4445.	0.4	20
50	Identification of Casz1 as a Regulatory Protein Controlling T Helper Cell Differentiation, Inflammation, and Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 184.	2.2	20
51	Mobile rRNA methylase genes in <i>Campylobacter (Wolinella) rectus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 1995, 36, 738-740.	1.3	19
52	Human β -defensin-3 structure motifs that are important in CXCR4 antagonism. <i>FEBS Journal</i> , 2013, 280, 3365-3375.	2.2	19
53	Kaposi's Sarcoma-Associated Herpesvirus Induces Rapid Release of Angiopoietin-2 from Endothelial Cells. <i>Journal of Virology</i> , 2013, 87, 6326-6335.	1.5	19
54	IL-1 β -MyD88-mTOR Axis Promotes Immune-Protective IL-17A+Foxp3+ Cells During Mucosal Infection and Is Dysregulated With Aging. <i>Frontiers in Immunology</i> , 2020, 11, 595936.	2.2	18

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55	A Prospective Cohort Study of Periodontal Disease Measures and Cardiovascular Disease Markers in HIV-Infected Adults. <i>AIDS Research and Human Retroviruses</i> , 2011, 27, 1157-1166.	0.5	16
56	Comparison of epigenetic profiles of human oral epithelial cells from HIV-positive (on HAART) and HIV-negative subjects. <i>Epigenetics</i> , 2013, 8, 703-709.	1.3	16
57	HBD-3 induces NK cell activation, IFN- γ secretion and mDC dependent cytolytic function. <i>Cellular Immunology</i> , 2015, 297, 61-68.	1.4	16
58	Suppression of KSHV-induced angiopoietin-2 inhibits angiogenesis, infiltration of inflammatory cells, and tumor growth. <i>Cell Cycle</i> , 2016, 15, 2053-2065.	1.3	16
59	Kaposi's sarcoma-associated herpesvirus infection promotes differentiation and polarization of monocytes into tumor-associated macrophages. <i>Cell Cycle</i> , 2017, 16, 1611-1621.	1.3	16
60	Direct Detection of <i>Porphyromonas gingivalis</i> in <i>Macaca fascicularis</i> Dental Plaque Samples Using an Oligonucleotide Probe. <i>Journal of Periodontology</i> , 1994, 65, 398-403.	1.7	15
61	Bacterial Colonization and Beta Defensins in the Female Genital Tract in HIV Infection. <i>Current HIV Research</i> , 2012, 10, 504-512.	0.2	15
62	Innate immune mechanisms to oral pathogens in oral mucosa of HIV-infected individuals. <i>Oral Diseases</i> , 2020, 26, 69-79.	1.5	13
63	Effect of Nadir CD4+ T Cell Count on Clinical Measures of Periodontal Disease in HIV+ Adults before and during Immune Reconstitution on HAART. <i>PLoS ONE</i> , 2013, 8, e76986.	1.1	13
64	Copy Number Variation within Human β -Defensin Gene Cluster Influences Progression to AIDS in the Multicenter AIDS Cohort Study. <i>Journal of AIDS & Clinical Research</i> , 2012, 03, .	0.5	13
65	Assessment of the incidence of squamous cell papilloma of the esophagus and the presence of high-risk human papilloma virus. <i>Ecological Management and Restoration</i> , 2016, 30, n/a-n/a.	0.2	12
66	Defensin gene variation and HIV/AIDS: a comprehensive perspective needed. <i>Journal of Leukocyte Biology</i> , 2016, 99, 687-692.	1.5	12
67	The Role of Dectin-1 Signaling in Altering Tumor Immune Microenvironment in the Context of Aging. <i>Frontiers in Oncology</i> , 2021, 11, 669066.	1.3	12
68	Proteomic and Bioinformatic Profile of Primary Human Oral Epithelial Cells. <i>Journal of Proteome Research</i> , 2012, 11, 5492-5502.	1.8	11
69	Translocation of Human β 2 Defensin Type 3 through a Neutrally Charged Lipid Membrane: A Free Energy Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11883-11894.	1.2	11
70	Characterization of Erythromycin Resistance in <i>Campylobacter (Wolinella) rectus</i> . <i>Clinical Infectious Diseases</i> , 1995, 20, S370-S371.	2.9	10
71	Th17 Inflammation Model of Oropharyngeal Candidiasis in Immunodeficient Mice. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	10
72	Associations of Toll-Like Receptor and β 2-Defensin Polymorphisms with Measures of Periodontal Disease (PD) in HIV+ North American Adults: An Exploratory Study. <i>PLoS ONE</i> , 2016, 11, e0164075.	1.1	7

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73	Role of FAD-I in Fusobacterial Interspecies Interaction and Biofilm Formation. <i>Microorganisms</i> , 2020, 8, 70.	1.6	7
74	Ensemble survival tree models to reveal pairwise interactions of variables with time-to-events outcomes in low-dimensional setting. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2018, 17, .	0.2	2
75	When Mr. Fap Meets the Gals. <i>Cell Host and Microbe</i> , 2016, 20, 125-126.	5.1	1
76	hBD-2 Binds SARS-CoV-2 RBD and Blocks Viral Entry: Strategy to Combat COVID-19. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
77	Human β -Defensin-3 is Associated With Platelet-Derived Extracellular Vesicles and is a Potential Contributor to Endothelial Dysfunction. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 824954.	1.6	1
78	Human Beta Defensins and RNases: Antiviral Effect during Sexual Exposure to HIV-1. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A129-A129.	0.5	0