

Aaron Weinberg

List of Publications by Citations

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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.

78
papers

3,647
citations

27
h-index

59
g-index

82
ext. papers

4,092
ext. citations

5
avg. IF

5.17
L-index

#	Paper	IF	Citations
78	The roles of antimicrobial peptides in innate host defense. <i>Current Pharmaceutical Design</i> , 2009 , 15, 2377-92	3.92	382
77	Inducible expression of human beta-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, 2907-15	3.7	340
76	Human epithelial beta-defensins 2 and 3 inhibit HIV-1 replication. <i>Aids</i> , 2003 , 17, F39-48	3.5	328
75	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, 18631-5	11.5	280
74	Expression of the peptide antibiotic human beta-defensin 1 in cultured gingival epithelial cells and gingival tissue. <i>Infection and Immunity</i> , 1998 , 66, 4222-8	3.7	252
73	Localized antimicrobial peptide expression in human gingiva. <i>Journal of Periodontal Research</i> , 2001 , 36, 285-94	4.3	203
72	Role of bacteria in health and disease of periodontal tissues. <i>Periodontology 2000</i> , 2006 , 40, 50-76	12.9	170
71	Cutting edge: human beta defensin 3--a novel antagonist of the HIV-1 coreceptor CXCR4. <i>Journal of Immunology</i> , 2006 , 177, 782-6	5.3	145
70	An antimicrobial peptide regulates tumor-associated macrophage trafficking via the chemokine receptor CCR2, a model for tumorigenesis. <i>PLoS ONE</i> , 2010 , 5, e10993	3.7	106
69	Antimicrobial Properties of Mesenchymal Stem Cells: Therapeutic Potential for Cystic Fibrosis Infection, and Treatment. <i>Stem Cells International</i> , 2016 , 2016, 5303048	5	85
68	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, 4466-79	6.6	63
67	The Toll-like receptor 1/2 agonists Pam(3) CSK(4) and human β -defensin-3 differentially induce interleukin-10 and nuclear factor- κ B signalling patterns in human monocytes. <i>Immunology</i> , 2011 , 134, 151-60	7.8	56
66	Quantification of human beta-defensin-2 and -3 in body fluids: application for studies of innate immunity. <i>Clinical Chemistry</i> , 2007 , 53, 757-65	5.5	56
65	Epithelial cell-derived antimicrobial peptides are multifunctional agents that bridge innate and adaptive immunity. <i>Periodontology 2000</i> , 2010 , 54, 195-206	12.9	50
64	Determinants of protection among HIV-exposed seronegative persons: an overview. <i>Journal of Infectious Diseases</i> , 2010 , 202 Suppl 3, S333-8	7	47
63	The yin and yang of human Beta-defensins in health and disease. <i>Frontiers in Immunology</i> , 2012 , 3, 294	8.4	46
62	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, 172-87	3.6	40

61	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	3.6	39
60	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	3.7	39
59	Overexpression of human beta-defensin-3 in oral dysplasia: potential role in macrophage trafficking. <i>Oral Oncology</i> , 2009 , 45, 696-702	4.4	38
58	Human antimicrobial peptides and cancer. <i>Seminars in Cell and Developmental Biology</i> , 2019 , 88, 156-162	7.5	34
57	Expression of human beta-defensin-2 in intratumoral vascular endothelium and in endothelial cells induced by transforming growth factor beta. <i>Peptides</i> , 2010 , 31, 195-201	3.8	33
56	Mucosal transmission of human immunodeficiency virus. <i>Current HIV Research</i> , 2012 , 10, 3-8	1.3	33
55	Nutlin-3 induces apoptosis, disrupts viral latency and inhibits expression of angiopoietin-2 in Kaposi sarcoma tumor cells. <i>Cell Cycle</i> , 2012 , 11, 1393-9	4.7	31
54	TLR-2 Signaling Promotes IL-17A Production in CD4+CD25+Foxp3+ Regulatory Cells during Oropharyngeal Candidiasis. <i>Pathogens</i> , 2015 , 4, 90-110	4.5	28
53	Immunomodulatory Peptide IDR-1018 Decreases Implant Infection and Preserves Osseointegration. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 2898-907	2.2	28
52	Do β -defensins and other antimicrobial peptides play a role in neuroimmune function and neurodegeneration?. <i>Scientific World Journal</i> , 2012 , 2012, 905785	2.2	27
51	Mucosal Regulatory T Cells and T Helper 17 Cells in HIV-Associated Immune Activation. <i>Frontiers in Immunology</i> , 2016 , 7, 228	8.4	27
50	Human β -defensin-3 induces chemokines from monocytes and macrophages: diminished activity in cells from HIV-infected persons. <i>Immunology</i> , 2013 , 140, 413-20	7.8	25
49	Fusobacterium nucleatum-associated beta-defensin inducer (FAD-I): identification, isolation, and functional evaluation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 36523-31	5.4	25
48	Characterizing traditionally defined periodontal disease in HIV+ adults. <i>Community Dentistry and Oral Epidemiology</i> , 2009 , 37, 427-37	2.8	25
47	Cell based therapy aids 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	25
46	Human Beta Defensins and Cancer: Contradictions and Common Ground. <i>Frontiers in Oncology</i> , 2019 , 9, 341	5.3	22
45	Occurrence of spontaneous periodontal disease in the SAMP1/YitFc murine model of Crohn disease. <i>Journal of Periodontology</i> , 2014 , 85, 1799-805	4.6	21
44	Fusobacterium nucleatum and human beta-defensins modulate the release of antimicrobial chemokine CCL20/macrophage inflammatory protein 3. <i>Infection and Immunity</i> , 2011 , 79, 4578-87	3.7	21

43	Expression of the Peptide Antibiotic Human α -Defensin 1 in Cultured Gingival Epithelial Cells and Gingival Tissue. <i>Infection and Immunity</i> , 1998 , 66, 4222-4228	3.7	21
42	Identification of innate immune antiretroviral factors during in vivo and in vitro exposure to HIV-1. <i>Microbes and Infection</i> , 2016 , 18, 211-9	9.3	20
41	FAD-I, a <i>Fusobacterium nucleatum</i> 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	3.7	19
40	Human α -defensin 3 peptide is increased and redistributed in Crohn's ileitis. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, 942-53	4.5	19
39	Membrane damage and repair in primary monocytes exposed to human α -defensin-3. <i>Journal of Leukocyte Biology</i> , 2012 , 92, 1083-91	6.5	19
38	Detection of HBD1 peptide in peripheral blood mononuclear cell subpopulations by intracellular flow cytometry. <i>Peptides</i> , 2003 , 24, 1785-94	3.8	19
37	Epithelial innate immune response to <i>Acinetobacter baumannii</i> challenge. <i>Infection and Immunity</i> , 2014 , 82, 4458-65	3.7	18
36	Proteomic signatures of human oral epithelial cells in HIV-infected subjects. <i>PLoS ONE</i> , 2011 , 6, e27816	3.7	18
35	Conceptual Perspectives: Bacterial Antimicrobial Peptide Induction as a Novel Strategy for Symbiosis with the Human Host. <i>Frontiers in Microbiology</i> , 2018 , 9, 302	5.7	17
34	Isolation of T cells from mouse oral tissues. <i>Biological Procedures Online</i> , 2014 , 16, 4	8.3	17
33	Human papillomavirus oncogenic E6 protein regulates human α -defensin 3 (hBD3) expression via the tumor suppressor protein p53. <i>Oncotarget</i> , 2016 , 7, 27430-44	3.3	17
32	Kaposi's sarcoma-associated herpesvirus induces rapid release of angiopoietin-2 from endothelial cells. <i>Journal of Virology</i> , 2013 , 87, 6326-35	6.6	16
31	Human α -Defensin-3 structure motifs that are important in CXCR4 antagonism. <i>FEBS Journal</i> , 2013 , 280, 3365-75	5.7	15
30	Human α -Defensin-3 Increases CD86 Expression on Monocytes by Activating the ATP-Gated Channel P2X7. <i>Journal of Immunology</i> , 2015 , 195, 4438-45	5.3	14
29	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, 1157-66	1.6	14
28	Ramping Up Antimicrobial Peptides Against Severe Acute Respiratory Syndrome Coronavirus-2. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 620806	5.6	14
27	Suppression of KSHV-induced angiopoietin-2 inhibits angiogenesis, infiltration of inflammatory cells, and tumor growth. <i>Cell Cycle</i> , 2016 , 15, 2053-65	4.7	13
26	Comparison of epigenetic profiles of human oral epithelial cells from HIV-positive (on HAART) and HIV-negative subjects. <i>Epigenetics</i> , 2013 , 8, 703-9	5.7	13

25	Mobile rRNA methylase genes in <i>Campylobacter (Wolinella) rectus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 1995 , 36, 738-40	5.1	13
24	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	4.6	13
23	Defensin gene variation and HIV/AIDS: a comprehensive perspective needed. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 687-92	6.5	11
22	Kaposi's sarcoma-associated herpesvirus infection promotes differentiation and polarization of monocytes into tumor-associated macrophages. <i>Cell Cycle</i> , 2017 , 16, 1611-1621	4.7	11
21	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 , 3,	1	11
20	HBD-3 induces NK cell activation, IFN- β secretion and mDC dependent cytolytic function. <i>Cellular Immunology</i> , 2015 , 297, 61-8	4.4	10
19	Proteomic and bioinformatic profile of primary human oral epithelial cells. <i>Journal of Proteome Research</i> , 2012 , 11, 5492-502	5.6	10
18	Bacterial colonization and beta defensins in the female genital tract in HIV infection. <i>Current HIV Research</i> , 2012 , 10, 504-12	1.3	10
17	Identification of Casz1 as a Regulatory Protein Controlling T Helper Cell Differentiation, Inflammation, and Immunity. <i>Frontiers in Immunology</i> , 2018 , 9, 184	8.4	9
16	Characterization of erythromycin resistance in <i>Campylobacter (Wolinella) rectus</i> . <i>Clinical Infectious Diseases</i> , 1995 , 20 Suppl 2, S370-1	11.6	8
15	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	3.7	8
14	Translocation of Human β -Defensin Type 3 through a Neutrally Charged Lipid Membrane: A Free Energy Study. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11883-11894	3.4	8
13	Th17 inflammation model of oropharyngeal candidiasis in immunodeficient mice. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	7
12	Innate immune mechanisms to oral pathogens in oral mucosa of HIV-infected individuals. <i>Oral Diseases</i> , 2020 , 26 Suppl 1, 69-79	3.5	7
11	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> , 2017 , 30, 1-5	3	7
10	Molecular dynamics simulations and functional studies reveal that hBD-2 binds SARS-CoV-2 spike RBD and blocks viral entry into ACE2 expressing cells 2021 ,		7
9	IL-1 β /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	8.4	6
8	Associations of Toll-Like Receptor and β -Defensin Polymorphisms with Measures of Periodontal Disease (PD) in HIV+ North American Adults: An Exploratory Study. <i>PLoS ONE</i> , 2016 , 11, e0164075	3.7	5

7	Role of FAD-I in Fusobacterial Interspecies Interaction and Biofilm Formation. <i>Microorganisms</i> , 2020 , 8,	4.9	4
6	The Role of Dectin-1 Signaling in Altering Tumor Immune Microenvironment in the Context of Aging. <i>Frontiers in Oncology</i> , 2021 , 11, 669066	5.3	3
5	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,	1.2	2
4	HBD-2 binds SARS-CoV-2 RBD and blocks viral entry: Strategy to combat COVID-19.. <i>IScience</i> , 2022 , 103866		1
3	When Mr. Fap Meets the Gals. <i>Cell Host and Microbe</i> , 2016 , 20, 125-6	23.4	0
2	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	5.6	0
1	Human Beta Defensins and RNases: Antiviral Effect during Sexual Exposure to HIV-1. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, A129-A129	1.6	