George Hajishengallis

List of Publications by Year in Descending Order

214 papers	19,205 citations	67 h-index	135 g-index
245 ext. papers	23,787 ext. citations	9.1 avg, IF	7.79 L-index

#	Paper	IF	Citations
214	Interconnection of periodontal disease and comorbidities: Evidence, mechanisms, and implications.. *Periodontology 2000*, **2022**,	12.9	7
213	Maladaptive trained immunity and clonal hematopoiesis as potential mechanistic links between periodontitis and inflammatory comorbidities.. *Periodontology 2000*, **2022**,	12.9	1
212	Maladaptive innate immune training of myelopoiesis links inflammatory comorbidities.. *Cell*, **2022**,	56.2	6
211	Trained Immunity and Cardiometabolic Disease: The Role of Bone Marrow. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 48-54	9.4	6
210	RGS12 Drives Macrophage Activation and Osteoclastogenesis in Periodontitis. *Journal of Dental Research*, **2021**, 220345211045303	8.1	1
209	Frontiers in Oral Mucosal Immunity and the Microbiome.. *Frontiers in Oral Health*, **2021**, 2, 821148	0.8	0
208	Phase IIa clinical trial of complement C3 inhibitor AMY-101 in adults with periodontal inflammation. *Journal of Clinical Investigation*, **2021**, 131,	15.9	7
207	A cross-species interaction with a symbiotic commensal enables cell-density-dependent growth and in vivo virulence of an oral pathogen. *ISME Journal*, **2021**, 15, 1490-1504	11.9	6
206	Polymicrobial communities in periodontal disease: Their quasi-organismal nature and dialogue with the host. *Periodontology 2000*, **2021**, 86, 210-230	12.9	38
205	Immunometabolic control of hematopoiesis. *Molecular Aspects of Medicine*, **2021**, 77, 100923	16.7	7
204	Impact of systemic factors in shaping the periodontal microbiome. *Periodontology 2000*, **2021**, 85, 126-160	12.9	25
203	Oral bacteria and leaky endothelial junctions in remote extraoral sites. *FEBS Journal*, **2021**, 288, 1475-1478	5.7	1
202	Local and systemic mechanisms linking periodontal disease and inflammatory comorbidities. *Nature Reviews Immunology*, **2021**, 21, 426-440	36.5	117
201	Glycolysis is integral to histamine-induced endothelial hyperpermeability. *FASEB Journal*, **2021**, 35, e21425	4.9	2
200	Human oral mucosa cell atlas reveals a stromal-neutrophil axis regulating tissue immunity. *Cell*, **2021**, 184, 4090-4104.e15	56.2	34
199	C3-targeted therapy in periodontal disease: moving closer to the clinic. *Trends in Immunology*, **2021**, 42, 856-864	14.4	7
198	Stromal cell-derived DEL-1 inhibits Tfh cell activation and inflammatory arthritis. *Journal of Clinical Investigation*, **2021**, 131,	15.9	1

197	Frontline Science: Activation of metabolic nuclear receptors restores periodontal tissue homeostasis in mice with leukocyte adhesion deficiency-1. *Journal of Leukocyte Biology*, **2020**, 108, 1501-1514	6.5	5
196	: Immune subversion activities and role in periodontal dysbiosis. *Current Oral Health Reports*, **2020**, 7, 12-21	1.2	14
195	Phagocytosis of Apoptotic Cells in Resolution of Inflammation. *Frontiers in Immunology*, **2020**, 11, 553	8.4	54
194	Erythromycin inhibits neutrophilic inflammation and mucosal disease by upregulating DEL-1. *JCI Insight*, **2020**, 5,	9.9	12
193	The DEL-1/β integrin axis promotes regulatory T cell responses during inflammation resolution. *Journal of Clinical Investigation*, **2020**, 130, 6261-6277	15.9	10
192	Complement C3 as a Target of Host Modulation in Periodontitis **2020**, 13-29		1
191	Pressure Cycling Technology Assisted Mass Spectrometric Quantification of Gingival Tissue Reveals Proteome Dynamics during the Initiation and Progression of Inflammatory Periodontal Disease. *Proteomics*, **2020**, 20, e1900253	4.8	3
190	New developments in neutrophil biology and periodontitis. *Periodontology 2000*, **2020**, 82, 78-92	12.9	44
189	Regulation of the Bone Marrow Niche by Inflammation. *Frontiers in Immunology*, **2020**, 11, 1540	8.4	27
188	Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. *Cell*, **2020**, 183, 771-785.e12	56.2	86
187	Proteome and Microbiome Mapping of Human Gingival Tissue in Health and Disease. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 588155	5.9	5
186	Current understanding of periodontal disease pathogenesis and targets for host-modulation therapy. *Periodontology 2000*, **2020**, 84, 14-34	12.9	54
185	An injectable hydrogel-formulated inhibitor of prolyl-4-hydroxylase promotes T regulatory cell recruitment and enhances alveolar bone regeneration during resolution of experimental periodontitis. *FASEB Journal*, **2020**, 34, 13726-13740	0.9	11
184	DHEA Inhibits Leukocyte Recruitment through Regulation of the Integrin Antagonist DEL-1. *Journal of Immunology*, **2020**, 204, 1214-1224	5.3	7
183	Prolonged intraocular residence and retinal tissue distribution of a fourth-generation compstatin-based C3 inhibitor in non-human primates. *Clinical Immunology*, **2020**, 214, 108391	9	7
182	The secreted protein DEL-1 activates a β integrin-FAK-ERK1/2-RUNX2 pathway and promotes osteogenic differentiation and bone regeneration. *Journal of Biological Chemistry*, **2020**, 295, 7261-7273	5.4	15
181	Stealth corporate innovation: an emerging threat for therapeutic drug development. *Nature Immunology*, **2019**, 20, 1409-1413	19.1	3
180	TREM-1 Is Upregulated in Experimental Periodontitis, and Its Blockade Inhibits IL-17A and RANKL Expression and Suppresses Bone loss. *Journal of Clinical Medicine*, **2019**, 8,	5.1	13

179	Hematopoietic progenitor cells as integrative hubs for adaptation to and fine-tuning of inflammation. *Nature Immunology*, **2019**, 20, 802-811	19.1	93
178	New insights into the immune functions of complement. *Nature Reviews Immunology*, **2019**, 19, 503-516	36.5	131
177	DEL-1-Regulated Immune Plasticity and Inflammatory Disorders. *Trends in Molecular Medicine*, **2019**, 25, 444-459	11.5	25
176	Complement-Dependent Mechanisms and Interventions in Periodontal Disease. *Frontiers in Immunology*, **2019**, 10, 406	8.4	31
175	Macrophage 2-Integrins Regulate IL-22 by ILC3s and Protect from Lethal Citrobacter rodentium-Induced Colitis. *Cell Reports*, **2019**, 26, 1614-1626.e5	10.6	17
174	Trained Innate Immunity and Its Implications for Mucosal Immunity and Inflammation. *Advances in Experimental Medicine and Biology*, **2019**, 1197, 11-26	3.6	10
173	DEL-1 promotes macrophage efferocytosis and clearance of inflammation. *Nature Immunology*, **2019**, 20, 40-49	19.1	93
172	Immunometabolic Crosstalk: An Ancestral Principle of Trained Immunity?. *Trends in Immunology*, **2019**, 40, 1-11	14.4	61
171	Endothelial Cell-Specific Overexpression of Del-1 Drives Expansion of Haematopoietic Progenitor Cells in the Bone Marrow. *Thrombosis and Haemostasis*, **2018**, 118,	7	13
170	Smad6 Methylation Represses NFB Activation and Periodontal Inflammation. *Journal of Dental Research*, **2018**, 97, 810-819	8.1	21
169	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. *Cell*, **2018**, 172, 147-161.e12	56.2	417
168	Gingival Exudatome Dynamics Implicate Inhibition of the Alternative Complement Pathway in the Protective Action of the C3 Inhibitor Cp40 in Nonhuman Primate Periodontitis. *Journal of Proteome Research*, **2018**, 17, 3153-3175	5.6	17
167	Myelopoiesis in the Context of Innate Immunity. *Journal of Innate Immunity*, **2018**, 10, 365-372	6.9	40
166	The oral microbiota: dynamic communities and host interactions. *Nature Reviews Microbiology*, **2018**, 16, 745-759	22.2	572
165	Safety profile after prolonged C3 inhibition. *Clinical Immunology*, **2018**, 197, 96-106	9	29
164	A dysbiotic microbiome triggers T17 cells to mediate oral mucosal immunopathology in mice and humans. *Science Translational Medicine*, **2018**, 10,	17.5	166
163	Differential capacity for complement receptor-mediated immune evasion by Porphyromonas gingivalis depending on the type of innate leukocyte. *Molecular Oral Microbiology*, **2017**, 32, 154-165	4.6	10
162	Milk fat globule epidermal growth factor 8 inhibits periodontitis in non-human primates and its gingival crevicular fluid levels can differentiate periodontal health from disease in humans. *Journal of Clinical Periodontology*, **2017**, 44, 472-483	7.7	7

161	Differential Expression and Roles of Secreted Frizzled-Related Protein 5 and the Wingless Homolog Wnt5a in Periodontitis. *Journal of Dental Research*, **2017**, 96, 571-577	8.1	26
160	A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. *Nature Immunology*, **2017**, 18, 654-664	19.1	104
159	Dysbiosis and inflammation in periodontitis: synergism and implications for treatment. *Journal of Oral Microbiology*, **2017**, 9, 1325198	6.3	4
158	From leukocyte recruitment to resolution of inflammation: the cardinal role of integrins. *Journal of Leukocyte Biology*, **2017**, 102, 677-683	6.5	63
157	Interleukin-12 and Interleukin-23 Blockade in Leukocyte Adhesion Deficiency Type 1. *New England Journal of Medicine*, **2017**, 376, 1141-1146	59.2	84
156	Safety and Efficacy of the Complement Inhibitor AMY-101 in a Natural Model of Periodontitis in Non-human Primates. *Molecular Therapy - Methods and Clinical Development*, **2017**, 6, 207-215	6.4	18
155	disturbs host-commensal homeostasis by changing complement function. *Journal of Oral Microbiology*, **2017**, 9, 1340085	6.3	61
154	Revisiting the Page & Schroeder model: the good, the bad and the unknowns in the periodontal host response 40 years later. *Periodontology 2000*, **2017**, 75, 116-151	12.9	89
153	Novel mechanisms and functions of complement. *Nature Immunology*, **2017**, 18, 1288-1298	19.1	243
152	Endogenous developmental endothelial locus-1 limits ischaemia-related angiogenesis by blocking inflammation. *Thrombosis and Haemostasis*, **2017**, 117, 1150-1163	7	16
151	Endothelial cell-specific overexpression of developmental endothelial locus-1 does not influence atherosclerosis development in ApoE mice. *Thrombosis and Haemostasis*, **2017**, 117, 2003-2005	7	3
150	Stimulates TLR2-PI3K Signaling to Escape Immune Clearance and Induce Bone Resorption Independently of MyD88. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 359	5.9	36
149	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. *Journal of Clinical Investigation*, **2017**, 127, 3624-3639	15.9	55
148	Dendritic Cell-Mediated Mechanisms Triggered by LT-IIa-B, a Mucosal Adjuvant Derived from a Type II Heat-Labile Enterotoxin of. *Journal of Microbiology and Biotechnology*, **2017**, 27, 709-717	3.3	6
147	More than complementing Tolls: complement-Toll-like receptor synergy and crosstalk in innate immunity and inflammation. *Immunological Reviews*, **2016**, 274, 233-244	11.3	76
146	Major neutrophil functions subverted by Porphyromonas gingivalis. *Journal of Oral Microbiology*, **2016**, 8, 30936	6.3	44
145	Inhibition of pre-existing natural periodontitis in non-human primates by a locally administered peptide inhibitor of complement C3. *Journal of Clinical Periodontology*, **2016**, 43, 238-49	7.7	42
144	Sex dimorphism in periodontitis in animal models. *Journal of Periodontal Research*, **2016**, 51, 196-202	4.3	10

143	Complement therapeutics in inflammatory diseases: promising drug candidates for C3-targeted intervention. *Molecular Oral Microbiology*, **2016**, 31, 3-17	4.6	30
142	Role of bacteria in leukocyte adhesion deficiency-associated periodontitis. *Microbial Pathogenesis*, **2016**, 94, 21-6	3.8	26
141	Immune and regulatory functions of neutrophils in inflammatory bone loss. *Seminars in Immunology* , **2016**, 28, 146-58	10.7	64
140	Dancing with the Stars: How Choreographed Bacterial Interactions Dictate Nososymbiocity and Give Rise to Keystone Pathogens, Accessory Pathogens, and Pathobionts. *Trends in Microbiology*, **2016**, 24, 477-489	12.4	162
139	Expression and Regulation of Cholecystokinin Receptor in the Chicken Immune Organs and Cells. *Journal of Clinical & Cellular Immunology*, **2016**, 7,	2.7	1
138	Developmental endothelial locus-1 modulates platelet-monocyte interactions and instant blood-mediated inflammatory reaction in islet transplantation. *Thrombosis and Haemostasis*, **2016**, 115, 781-8	7	29
137	Regulation of tissue infiltration by neutrophils: role of integrin 31 and other factors. *Current Opinion in Hematology*, **2016**, 23, 36-43	3.3	19
136	From orphan drugs to adopted therapies: Advancing C3-targeted intervention to the clinical stage. *Immunobiology*, **2016**, 221, 1046-57	3.4	12
135	Complement inhibition in pre-clinical models of periodontitis and prospects for clinical application. *Seminars in Immunology*, **2016**, 28, 285-91	10.7	36
134	The polymicrobial synergy and dysbiosis model of periodontal disease pathogenesis **2016**, 227-242		0
133	The B Cell-Stimulatory Cytokines BLyS and APRIL Are Elevated in Human Periodontitis and Are Required for B Cell-Dependent Bone Loss in Experimental Murine Periodontitis. *Journal of Immunology*, **2015**, 195, 1427-35	5.3	43
132	Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by E. coli heat-labile enterotoxin B-subunits. *Cellular Immunology*, **2015**, 295, 150-62	4.4	8
131	Polymicrobial synergy and dysbiosis in inflammatory disease. *Trends in Molecular Medicine*, **2015**, 21, 172-83	11.5	290
130	Innate Humoral Defense Factors **2015**, 251-270		9
129	Porphyromonas gingivalis virulence factors involved in subversion of leukocytes and microbial dysbiosis. *Virulence*, **2015**, 6, 236-43	4.7	79
128	DEL-1 restrains osteoclastogenesis and inhibits inflammatory bone loss in nonhuman primates. *Science Translational Medicine*, **2015**, 7, 307ra155	17.5	56
127	Compstatin: a C3-targeted complement inhibitor reaching its prime for bedside intervention. *European Journal of Clinical Investigation*, **2015**, 45, 423-40	4.6	138
126	Complement Involvement in Periodontitis: Molecular Mechanisms and Rational Therapeutic Approaches. *Advances in Experimental Medicine and Biology*, **2015**, 865, 57-74	3.6	36

125	Toll-Like Receptor 9-Mediated Inflammation Triggers Alveolar Bone Loss in Experimental Murine Periodontitis. *Infection and Immunity*, **2015**, 83, 2992-3002	3.7	33
124	Antagonistic effects of IL-17 and D-resolvins on endothelial Del-1 expression through a GSK-3□C/EBP□pathway. *Nature Communications*, **2015**, 6, 8272	17.4	77
123	Periodontitis: from microbial immune subversion to systemic inflammation. *Nature Reviews Immunology*, **2015**, 15, 30-44	36.5	1143
122	Leukocyte integrins: role in leukocyte recruitment and as therapeutic targets in inflammatory disease. *Pharmacology & Therapeutics*, **2015**, 147, 123-135	13.9	158
121	Developmental endothelial locus-1 is a homeostatic factor in the central nervous system limiting neuroinflammation and demyelination. *Molecular Psychiatry*, **2015**, 20, 880-888	15.1	48
120	Response to Comment on "The B Cell-Stimulatory Cytokines BLyS and APRIL Are Elevated in Human Periodontitis and Are Required for B Cell-Dependent Bone Loss in Experimental Murine Periodontitis". *Journal of Immunology*, **2015**, 195, 5099-100	5.3	1
119	Basic biology and role of interleukin-17 in immunity and inflammation. *Periodontology 2000*, **2015**, 69, 142-59	12.9	157
118	Inborn errors in immunity: unique natural models to dissect oral immunity. *Journal of Dental Research*, **2015**, 94, 753-8	8.1	21
117	Neutrophil homeostasis and inflammation: novel paradigms from studying periodontitis. *Journal of Leukocyte Biology*, **2015**, 98, 539-48	6.5	66
116	The enduring importance of animal models in understanding periodontal disease. *Virulence*, **2015**, 6, 229-35	4.7	40
115	Neutrophil homeostasis and periodontal health in children and adults. *Journal of Dental Research*, **2014**, 93, 231-7	8.1	100
114	Defective neutrophil recruitment in leukocyte adhesion deficiency type I disease causes local IL-17-driven inflammatory bone loss. *Science Translational Medicine*, **2014**, 6, 229ra40	17.5	178
113	Immunomicrobial pathogenesis of periodontitis: keystones, pathobionts, and host response. *Trends in Immunology*, **2014**, 35, 3-11	14.4	535
112	Developmental endothelial locus-1 attenuates complement-dependent phagocytosis through inhibition of Mac-1-integrin. *Thrombosis and Haemostasis*, **2014**, 111, 1004-6	7	35
111	Breaking bad: manipulation of the host response by Porphyromonas gingivalis. *European Journal of Immunology*, **2014**, 44, 328-38	6.1	197
110	Aging and its Impact on Innate Immunity and Inflammation: Implications for Periodontitis. *Journal of Oral Biosciences*, **2014**, 56, 30-37	2.5	60
109	Genetic and intervention studies implicating complement C3 as a major target for the treatment of periodontitis. *Journal of Immunology*, **2014**, 192, 6020-7	5.3	76
108	Porphyromonas gingivalis manipulates complement and TLR signaling to uncouple bacterial clearance from inflammation and promote dysbiosis. *Cell Host and Microbe*, **2014**, 15, 768-78	23.4	225

107	Novel inflammatory pathways in periodontitis. *Advances in Dental Research*, **2014**, 26, 23-9	2.3	50
106	Intradermal administration of the Type II heat-labile enterotoxins LT-IIb and LT-IIc of enterotoxigenic Escherichia coli enhances humoral and CD8+ T cell immunity to a co-administered antigen. *PLoS ONE*, **2014**, 9, e113978	3.7	8
105	Regulation of osteoclast homeostasis and inflammatory bone loss by MFG-E8. *Journal of Immunology*, **2014**, 193, 1383-91	5.3	36
104	Topical treatment with probiotic Lactobacillus brevis CD2 inhibits experimental periodontal inflammation and bone loss. *Journal of Periodontal Research*, **2014**, 49, 785-91	4.3	73
103	The inflammophilic character of the periodontitis-associated microbiota. *Molecular Oral Microbiology*, **2014**, 29, 248-57	4.6	196
102	MFG-E8, a novel homeostatic regulator of osteoclastogenesis. *Inflammation and Cell Signaling*, **2014** , 1, e285		4
101	Optimization of the ligature-induced periodontitis model in mice. *Journal of Immunological Methods* , **2013**, 394, 49-54	2.5	226
100	Endogenous modulators of inflammatory cell recruitment. *Trends in Immunology*, **2013**, 34, 1-6	14.4	83
99	Role of complement in host-microbe homeostasis of the periodontium. *Seminars in Immunology*, **2013**, 25, 65-72	10.7	55
98	Type II heat-labile enterotoxins: structure, function, and immunomodulatory properties. *Veterinary Immunology and Immunopathology*, **2013**, 152, 68-77	2	20
97	Mechanism and implications of CXCR4-mediated integrin activation by Porphyromonas gingivalis. *Molecular Oral Microbiology*, **2013**, 28, 239-49	4.6	19
96	Commensal bacteria-dependent select expression of CXCL2 contributes to periodontal tissue homeostasis. *Cellular Microbiology*, **2013**, 15, 1419-26	3.9	72
95	Expression and function of the homeostatic molecule Del-1 in endothelial cells and the periodontal tissue. *Clinical and Developmental Immunology*, **2013**, 2013, 617809		26
94	Complement-targeted therapeutics in periodontitis. *Advances in Experimental Medicine and Biology*, **2013**, 735, 197-206	3.6	14
93	Complement and dysbiosis in periodontal disease. *Immunobiology*, **2012**, 217, 1111-6	3.4	70
92	The keystone-pathogen hypothesis. *Nature Reviews Microbiology*, **2012**, 10, 717-25	22.2	917
91	Inhibition of Porphyromonas gingivalis-induced periodontal bone loss by CXCR4 antagonist treatment. *Molecular Oral Microbiology*, **2012**, 27, 449-57	4.6	17
90	Beyond the red complex and into more complexity: the polymicrobial synergy and dysbiosis (PSD) model of periodontal disease etiology. *Molecular Oral Microbiology*, **2012**, 27, 409-19	4.6	625

89	Structure-activity correlations of variant forms of the B pentamer of Escherichia coli type II heat-labile enterotoxin LT-IIb with Toll-like receptor 2 binding. *Acta Crystallographica Section D: Biological Crystallography*, **2012**, 68, 1604-12		7
88	Porphyromonas gingivalis as a potential community activist for disease. *Journal of Dental Research*, **2012**, 91, 816-20	8.1	275
87	Pathogenic microbes and community service through manipulation of innate immunity. *Advances in Experimental Medicine and Biology*, **2012**, 946, 69-85	3.6	38
86	The leukocyte integrin antagonist Del-1 inhibits IL-17-mediated inflammatory bone loss. *Nature Immunology*, **2012**, 13, 465-73	19.1	290
85	Local complement-targeted intervention in periodontitis: proof-of-concept using a C5a receptor (CD88) antagonist. *Journal of Immunology*, **2012**, 189, 5442-8	5.3	90
84	Immune Evasion Strategies of Porphyromonas gingivalis. *Journal of Oral Biosciences*, **2011**, 53, 233-240	2.5	75
83	TLR-signaling networks: an integration of adaptor molecules, kinases, and cross-talk. *Journal of Dental Research*, **2011**, 90, 417-27	8.1	386
82	Low-abundance biofilm species orchestrates inflammatory periodontal disease through the commensal microbiota and complement. *Cell Host and Microbe*, **2011**, 10, 497-506	23.4	699
81	LT-IIc, a new member of the type II heat-labile enterotoxin family, exhibits potent immunomodulatory properties that are different from those induced by LT-IIa or LT-IIb. *Vaccine*, **2011**, 29, 721-7	4.1	23
80	Microbial manipulation of receptor crosstalk in innate immunity. *Nature Reviews Immunology*, **2011**, 11, 187-200	36.5	213
79	TLR2-dependent modulation of dendritic cells by LT-IIa-B5, a novel mucosal adjuvant derived from a type II heat-labile enterotoxin. *Journal of Leukocyte Biology*, **2011**, 90, 911-21	6.5	15
78	The C5a receptor impairs IL-12-dependent clearance of Porphyromonas gingivalis and is required for induction of periodontal bone loss. *Journal of Immunology*, **2011**, 186, 869-77	5.3	128
77	Immune evasion strategies of Porphyromonas gingivalis. *Journal of Oral Biosciences*, **2011**, 53, 233-240	2.5	47
76	Complementary Tolls in the periodontium: how periodontal bacteria modify complement and Toll-like receptor responses to prevail in the host. *Periodontology 2000*, **2010**, 52, 141-62	12.9	53
75	Periodontal inflammation and bone loss in aged mice. *Journal of Periodontal Research*, **2010**, 45, 574-8	4.3	57
74	Complement: a key system for immune surveillance and homeostasis. *Nature Immunology*, **2010**, 11, 785-97	19.1	2328
73	Heat-labile enterotoxins as adjuvants or anti-inflammatory agents. *Immunological Investigations*, **2010**, 39, 449-67	2.9	40
72	Binding to gangliosides containing N-acetylneuraminic acid is sufficient to mediate the immunomodulatory properties of the nontoxic mucosal adjuvant LT-IIb(T13I). *Vaccine Journal*, **2010**, 17, 969-78		11

71	Mammalian cell ganglioside-binding specificities of E. coli enterotoxins LT-IIb and variant LT-IIb(T13I). *Glycobiology*, **2010**, 20, 41-54	5.8	19
70	Microbial hijacking of complement-toll-like receptor crosstalk. *Science Signaling*, **2010**, 3, ra11	8.8	151
69	Crosstalk pathways between Toll-like receptors and the complement system. *Trends in Immunology*, **2010**, 31, 154-63	14.4	200
68	Enhanced antigen uptake by dendritic cells induced by the B pentamer of the type II heat-labile enterotoxin LT-IIa requires engagement of TLR2. *Vaccine*, **2010**, 28, 3696-705	4.1	8
67	Too old to fight? Aging and its toll on innate immunity. *Molecular Oral Microbiology*, **2010**, 25, 25-37	4.6	90
66	Complement and periodontitis. *Biochemical Pharmacology*, **2010**, 80, 1992-2001	6	66
65	Host adhesive activities and virulence of novel fimbrial proteins of Porphyromonas gingivalis. *Infection and Immunity*, **2009**, 77, 3294-301	3.7	29
64	Induction of distinct TLR2-mediated proinflammatory and proadhesive signaling pathways in response to Porphyromonas gingivalis fimbriae. *Journal of Immunology*, **2009**, 182, 6690-6	5.3	68
63	Mapping of a microbial protein domain involved in binding and activation of the TLR2/TLR1 heterodimer. *Journal of Immunology*, **2009**, 182, 2978-85	5.3	35
62	Age-related alterations in innate immune receptor expression and ability of macrophages to respond to pathogen challenge in vitro. *Mechanisms of Ageing and Development*, **2009**, 130, 538-46	5.6	53
61	Toll gates to periodontal host modulation and vaccine therapy. *Periodontology 2000*, **2009**, 51, 181-207	12.9	26
60	Differential virulence and innate immune interactions of Type I and II fimbrial genotypes of Porphyromonas gingivalis. *Oral Microbiology and Immunology*, **2009**, 24, 478-84		27
59	Porphyromonas gingivalis-host interactions: open war or intelligent guerilla tactics?. *Microbes and Infection*, **2009**, 11, 637-45	9.3	119
58	Polymicrobial infections, biofilms, and beyond. *Journal of Clinical Periodontology*, **2009**, 36, 404-5	7.7	12
57	In vivo and in vitro adjuvant activities of the B subunit of Type IIb heat-labile enterotoxin (LT-IIb-B5) from Escherichia coli. *Vaccine*, **2009**, 27, 4302-8	4.1	31
56	Lipid raft-dependent uptake, signalling and intracellular fate of Porphyromonas gingivalis in mouse macrophages. *Cellular Microbiology*, **2008**, 10, 2029-42	3.9	59
55	The use of rodent models to investigate host-bacteria interactions related to periodontal diseases. *Journal of Clinical Periodontology*, **2008**, 35, 89-105	7.7	261
54	A new inflammatory cytokine on the block: re-thinking periodontal disease and the Th1/Th2 paradigm in the context of Th17 cells and IL-17. *Journal of Dental Research*, **2008**, 87, 817-28	8.1	261

53	Toll-like receptor 2-mediated interleukin-8 expression in gingival epithelial cells by the Tannerella forsythia leucine-rich repeat protein BspA. *Infection and Immunity*, **2008**, 76, 198-205	3.7	50
52	Pathogen induction of CXCR4/TLR2 cross-talk impairs host defense function. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 13532-7	11.5	142
51	Importance of TLR2 in early innate immune response to acute pulmonary infection with Porphyromonas gingivalis in mice. *Journal of Immunology*, **2008**, 181, 4141-9	5.3	68
50	Subversion of innate immunity by periodontopathic bacteria via exploitation of complement receptor-3. *Advances in Experimental Medicine and Biology*, **2008**, 632, 203-19	3.6	35
49	Potential for Immunological and Microbiological Intervention against Porphyromonas gingivalis Infection. *Journal of Oral Biosciences*, **2007**, 49, 1-14	2.5	
48	Porphyromonas gingivalis interactions with complement receptor 3 (CR3): innate immunity or immune evasion?. *Frontiers in Bioscience - Landmark*, **2007**, 12, 4547-57	2.8	32
47	Lipopolysaccharides from atherosclerosis-associated bacteria antagonize TLR4, induce formation of TLR2/1/CD36 complexes in lipid rafts and trigger TLR2-induced inflammatory responses in human vascular endothelial cells. *Cellular Microbiology*, **2007**, 9, 2030-9	3.9	123
46	Human variability in innate immunity. *Periodontology 2000*, **2007**, 45, 14-34	12.9	57
45	Peptide Mapping of a Functionally Versatile Fimbrial Adhesin from Porphyromonas gingivalis. *International Journal of Peptide Research and Therapeutics*, **2007**, 13, 533-546	2.1	6
44	The A subunit of type IIb enterotoxin (LT-IIb) suppresses the proinflammatory potential of the B subunit and its ability to recruit and interact with TLR2. *Journal of Immunology*, **2007**, 178, 4811-9	5.3	29
43	Ganglioside GD1a is an essential coreceptor for Toll-like receptor 2 signaling in response to the B subunit of type IIb enterotoxin. *Journal of Biological Chemistry*, **2007**, 282, 7532-42	5.4	40
42	Complement receptor 3 blockade promotes IL-12-mediated clearance of Porphyromonas gingivalis and negates its virulence in vivo. *Journal of Immunology*, **2007**, 179, 2359-67	5.3	90
41	Fimbrial proteins of porphyromonas gingivalis mediate in vivo virulence and exploit TLR2 and complement receptor 3 to persist in macrophages. *Journal of Immunology*, **2007**, 179, 2349-58	5.3	138
40	Differential activation of human gingival epithelial cells and monocytes by Porphyromonas gingivalis fimbriae. *Infection and Immunity*, **2007**, 75, 892-8	3.7	64
39	Porphyromonas gingivalis fimbriae proactively modulate beta2 integrin adhesive activity and promote binding to and internalization by macrophages. *Infection and Immunity*, **2006**, 74, 5658-66	3.7	75
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2	A cross-species interaction with a symbiotic commensal enables cell-density-dependent growth and in vivo virulence of an oral pathogen		2
1	Single-cell atlas of human oral mucosa reveals a stromal-neutrophil axis regulating tissue immunity in health and inflammatory disease		1