Howard F Jenkinson

List of Publications by Year
in descending order

128	9,206	36303 51	42399 92
papers	citations	h-index	g-index

134	134	134	8054
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life Below the Gum Line: Pathogenic Mechanisms ofPorphyromonas gingivalis. Microbiology and Molecular Biology Reviews, 1998, 62, 1244-1263.	6.6	880
2	StreptococcusAdherence and Colonization. Microbiology and Molecular Biology Reviews, 2009, 73, 407-450.	6.6	521
3	Oral microbial communities in sickness and in health. Trends in Microbiology, 2005, 13, 589-595.	7.7	479
4	I<scp>nvasion of</scp> D<scp>entinal</scp> T<scp>ubules by</scp> O<scp>ral</scp> B<scp>acteria</scp>. Critical Reviews in Oral Biology and Medicine, 2002, 13, 171-183.	4.4	361
5	Streptococcus gordonii Modulates Candida albicans Biofilm Formation through Intergeneric Communication. Infection and Immunity, 2009, 77, 3696-3704.	2.2	257
6	Streptococcal Adhesion and Colonization. Critical Reviews in Oral Biology and Medicine, 1997, 8, 175-200.	4.4	249
7	Out of the iron age: new insights into the critical role of manganese homeostasis in bacteria. Microbiology (United Kingdom), 2001, 147, 1709-1718.	1.8	232
8	Structure, function and immunogenicity of streptococcal antigen I/II polypeptides. Molecular Microbiology, 1997, 23, 183-190.	2.5	222
9	Cicada-inspired cell-instructive nanopatterned arrays. Scientific Reports, 2014, 4, 7122.	3.3	211
10	Interaction of Candida albicans Cell Wall Als3 Protein with Streptococcus gordonii SspB Adhesin Promotes Development of Mixed-Species Communities. Infection and Immunity, 2010, 78, 4644-4652.	2.2	202
11	The pavA gene of Streptococcus pneumoniae encodes a fibronectinâ€binding protein that is essential for virulence. Molecular Microbiology, 2001, 41, 1395-1408.	2.5	199
12	PavA ofStreptococcus pneumoniaeModulates Adherence, Invasion, and Meningeal Inflammation. Infection and Immunity, 2005, 73, 2680-2689.	2.2	158
13	Microbial interactions in building of communities. Molecular Oral Microbiology, 2013, 28, 83-101.	2.7	151
14	Cell surface protein receptors in oral streptococci. FEMS Microbiology Letters, 1994, 121, 133-140.	1.8	148
15	Tandem genes encode cell-surface polypeptides SspA and SspB which mediate adhesion of the oral bacterium Streptococcus gordonii to human and bacterial receptors. Molecular Microbiology, 1996, 20, 403-413.	2.5	143
16	The changing faces of Streptococcus antigen I/II polypeptide family adhesins. Molecular Microbiology, 2010, 77, 276-286.	2.5	140
17	Beyond the oral microbiome. Environmental Microbiology, 2011, 13, 3077-3087.	3.8	139
18	Differential binding specificities of oral streptococcal antigen I/II family adhesins for human or bacterial ligands. Molecular Microbiology, 2005, 55, 1591-1605.	2.5	136

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19	The Adhesion-Associated sca Operon in Streptococcus gordonii Encodes an Inducible High-Affinity ABC Transporter for Mn ²⁺ Uptake. Journal of Bacteriology, 1998, 180, 290-295.	2.2	121
20	Expression of the virulence-related Sca (Mn2+) permease in Streptococcus gordonii is regulated by a diphtheria toxin metallorepressor-like protein ScaR. Molecular Microbiology, 2000, 38, 140-153.	2.5	114
21	Stick to Your Gums. Journal of Dental Research, 2011, 90, 1271-1278.	5.2	114
22	A High-Molecular-Mass Surface Protein (Lsp) and Methionine Sulfoxide Reductase B (MsrB) Contribute to the Ecological Performance of Lactobacillus reuteri in the Murine Gut. Applied and Environmental Microbiology, 2005, 71, 979-986.	3.1	110
23	Cell Wall-Anchored CshA Polypeptide (259 Kilodaltons) in Streptococcus gordonii Forms Surface Fibrils That Confer Hydrophobic and Adhesive Properties. Journal of Bacteriology, 1999, 181, 3087-3095.	2.2	110
24	Innocent until proven guilty: mechanisms and roles of <scp>S</scp>treptococcusâ€“<scp>C</scp>andida interactions in oral health and disease. Molecular Oral Microbiology, 2014, 29, 99-116.	2.7	109
25	Production of the Lantibiotic Salivaricin A and Its Variants by Oral Streptococci and Use of a Specific Induction Assay To Detect Their Presence in Human Saliva. Applied and Environmental Microbiology, 2006, 72, 1459-1466.	3.1	104
26	Functions of Cell Surface-Anchored Antigen I/II Family and Hsa Polypeptides in Interactions of Streptococcus gordonii with Host Receptors. Infection and Immunity, 2005, 73, 6629-6638.	2.2	100
27	Heterologous Expression of Candida albicans Cell Wall-Associated Adhesins in Saccharomyces cerevisiae Reveals Differential Specificities in Adherence and Biofilm Formation and in Binding Oral Streptococcus gordonii. Eukaryotic Cell, 2010, 9, 1622-1634.	3.4	96
28	Coinvasion of Dentinal Tubules by Porphyromonas gingivalis and Streptococcus gordonii Depends upon Binding Specificity of Streptococcal Antigen I/II Adhesin. Infection and Immunity, 2000, 68, 1359-1365.	2.2	84
29	Adhesion of Candida albicans to oral streptococci is promoted by selective adsorption of salivary proteins to the streptococcal cell surface. Microbiology (United Kingdom), 2000, 146, 41-48.	1.8	84
30	Axenic Culture of a Candidate Division TM7 Bacterium from the Human Oral Cavity and Biofilm Interactions with Other Oral Bacteria. Applied and Environmental Microbiology, 2014, 80, 6480-6489.	3.1	82
31	Streptococcus gordonii comCDE (competence) operon modulates biofilm formation with Candida albicans. Microbiology (United Kingdom), 2015, 161, 411-421.	1.8	80
32	Expression of fibronectin-binding protein FbpA modulates adhesion in Streptococcus gordonii The GenBank accession number for the sequence reported in this paper is X65164.. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	77
33	The Terminal A Domain of the Fibrillar Accumulation-Associated Protein (Aap) of Staphylococcus epidermidis Mediates Adhesion to Human Corneocytes. Journal of Bacteriology, 2009, 191, 7007-7016.	2.2	77
34	Role of Streptococcus gordonii Surface Proteins SspA/SspB and Hsa in Platelet Function. Infection and Immunity, 2007, 75, 5740-5747.	2.2	74
35	The effects of polishing methods on surface morphology, roughness and bacterial colonisation of titanium abutments. Journal of Materials Science: Materials in Medicine, 2007, 18, 1439-1447.	3.6	74
36	Cloning and expression of Candida albicans ADE2 and proteinase genes on a replicative plasmid in C. albicans and in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1992, 235, 453-457.	2.4	73

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37	Isolation and nucleotide sequence of an autonomously replicating sequence (ARS) element functional in Candida albicans and Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1990, 221, 210-218.	2.4	71
38	Community Development betweenPorphyromonas gingivalisandCandida albicansMediated by InlJ and Als3. MBio, 2018, 9, .	4.1	68
39	Porphyromonas gingivalisinitiates a mesenchymal-like transition through ZEB1 in gingival epithelial cells. Cellular Microbiology, 2016, 18, 844-858.	2.1	66
40	Binding Properties and Adhesion-Mediating Regions of the Major Sheath Protein of Treponema denticola ATCC 35405. Infection and Immunity, 2005, 73, 2891-2898.	2.2	64
41	Human Platelets Recognize a Novel Surface Protein, PadA, on Streptococcus gordonii through a Unique Interaction Involving Fibrinogen Receptor GPIIbIIIa. Infection and Immunity, 2010, 78, 413-422.	2.2	64
42	O -Mannosylation in Candida albicans Enables Development of Interkingdom Biofilm Communities. MBio, 2014, 5, e00911.	4.1	64
43	Interactions ofCandida albicans with bacteria and salivary molecules in oral biofilms. Journal of Industrial Microbiology, 1995, 15, 208-213.	0.9	63
44	The Group B Streptococcal surface antigen I/II protein, BspC, interacts with host vimentin to promote adherence to brain endothelium and inflammation during the pathogenesis of meningitis. PLoS Pathogens, 2019, 15, e1007848.	4.7	63
45	Manganese-dependent regulation of the endocarditis-associated virulence factor EfaA of Enterococcus faecalis. Journal of Medical Microbiology, 2003, 52, 113-119.	1.8	61
46	Pneumococcal neuraminidase A: an essential upper airway colonization factor for Streptococcus pneumoniae. Molecular Oral Microbiology, 2012, 27, 270-283.	2.7	61
47	Oxidative stress tolerance is manganese (Mn2+) regulated in Streptococcus gordonii. Microbiology (United Kingdom), 2002, 148, 3255-3263.	1.8	59
48	Functional regions of Candida albicans hyphal cell wall protein Als3 that determine interaction with the oral bacterium Streptococcus gordonii. Microbiology (United Kingdom), 2015, 161, 18-29.	1.8	55
49	Silver doped titanium dioxide nanoparticles as antimicrobial additives to dental polymers. Dental Materials, 2017, 33, e115-e123.	3.5	55
50	The Chymotrypsin-Like Protease Complex of Treponema denticola ATCC 35405 Mediates Fibrinogen Adherence and Degradation. Infection and Immunity, 2007, 75, 4364-4372.	2.2	54
51	Adherence and accumulation of oral streptococci. Trends in Microbiology, 1994, 2, 209-212.	7.7	53
52	Binding Properties of Streptococcus gordonii SspA and SspB (Antigen I/II Family) Polypeptides Expressed on the Cell Surface of Lactococcus lactis MG1363. Infection and Immunity, 1998, 66, 4633-4639.	2.2	52
53	Altered adherence properties of a Streptococcus gordonii hppA (oligopeptide permease) mutant result from transcriptional effects on cshA adhesin gene expression. Microbiology (United Kingdom), 1998, 144, 127-136.	1.8	50
54	From tooth to hoof: treponemes in tissue-destructive diseases. Journal of Applied Microbiology, 2003, 94, 767-780.	3.1	49

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55	Adherence and internalization of Streptococcus gordonii by epithelial cells involves ?1 integrin recognition by SspA and SspB (antigen I/II family) polypeptides. Cellular Microbiology, 2007, 9, 65-83.	2.1	49
56	Chlorhexidine hexametaphosphate nanoparticles as a novel antimicrobial coating for dental implants. Journal of Materials Science: Materials in Medicine, 2015, 26, 201.	3.6	49
57	Interkingdom networking within the oral microbiome. Microbes and Infection, 2015, 17, 484-492.	1.9	48
58	Characterization and Structure of the Manganese-Responsive Transcriptional Regulator ScaR[,]. Biochemistry, 2009, 48, 10308-10320.	2.5	47
59	Streptococcus pyogenes antigen I/IIâ€family polypeptide AspA shows differential ligandâ€binding properties and mediates biofilm formation. Molecular Microbiology, 2011, 81, 1034-1049.	2.5	46
60	Interactions between Streptococcus oralis, Actinomyces oris, and Candida albicans in the development of multispecies oral microbial biofilms on salivary pellicle. Molecular Oral Microbiology, 2017, 32, 60-73.	2.7	45
61	Expression of Green Fluorescent Protein in Streptococcus gordonii DL1 and Its Use as a Species-Specific Marker in Coadhesion with Streptococcus oralis 34 in Saliva-Conditioned Biofilms In Vitro. Applied and Environmental Microbiology, 2000, 66, 4074-4083.	3.1	44
62	Innate immunity glycoprotein gp-340 variants may modulate human susceptibility to dental caries. BMC Infectious Diseases, 2007, 7, 57.	2.9	43
63	Transcriptional landscape of transâ€kingdom communication between <scp>C</scp>andida albicans and <scp>S</scp>treptococcus gordonii. Molecular Oral Microbiology, 2016, 31, 136-161.	2.7	43
64	Host collagen signal induces antigen I/II adhesin and invasin gene expression in oral Streptococcus gordonii. Molecular Microbiology, 2003, 50, 597-607.	2.5	41
65	Role ofCandida albicanssecreted aspartyl protease Sap9 in interkingdom biofilm formation. Pathogens and Disease, 2016, 74, ftw005.	2.0	41
66	The effects of different orthodontic appliances upon microbial communities. Orthodontics and Craniofacial Research, 2014, 17, 115-123.	2.8	40
67	Identification of salivary basic proline-rich proteins as receptors for Candida albicans adhesion. Microbiology (United Kingdom), 1997, 143, 341-348.	1.8	40
68	Multiple adhesin proteins on the cell surface of Streptococcus gordonii are involved in adhesion to human fibronectin. Microbiology (United Kingdom), 2009, 155, 3572-3580.	1.8	37
69	Structural and Functional Analysis of Cell Wall-anchored Polypeptide Adhesin BspA in Streptococcus agalactiae. Journal of Biological Chemistry, 2016, 291, 15985-16000.	3.4	36
70	Interkingdom cooperation betweenCandida albicans,Streptococcus oralisandActinomyces orismodulates early biofilm development on denture material. Pathogens and Disease, 2016, 74, ftw002.	2.0	36
71	Interactions between Candida Species and Bacteria in Mixed Infections. , 0, , 357-373.		36
72	Genetic relatedness and phenotypic characteristics of Treponema associated with human periodontal tissues and ruminant foot disease. Microbiology (United Kingdom), 2003, 149, 1083-1093.	1.8	34

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73	Identification of Clinical Isolates of Î±-Hemolytic Streptococci by 16S rRNA Gene Sequencing, Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry Using MALDI Biotyper, and Conventional Phenotypic Methods: a Comparison. Journal of Clinical Microbiology, 2012, 50, 4087-4090.	3.9	34
74	Anti-antimicrobial Peptides. Journal of Biological Chemistry, 2013, 288, 20162-20172.	3.4	31
75	Variant size- and glycoforms of the scavenger receptor cysteine-rich protein gp-340 with differential bacterial aggregation. Glycoconjugate Journal, 2007, 24, 131-142.	2.7	30
76	Treponema denticola chymotrypsin-like proteinase (CTLP) integrates spirochaetes within oral microbial communities. Microbiology (United Kingdom), 2012, 158, 759-770.	1.8	30
77	Molecular analysis of microbiota associated with peri-implant diseases. Journal of Dentistry, 2012, 40, 989-998.	4.1	29
78	Cell surface mutants of Streptococcus sanguis with altered adherence properties. Oral Microbiology and Immunology, 1988, 3, 53-57.	2.8	28
79	Pneumococcal protein PavA is important for nasopharyngeal carriage and development of sepsis. Molecular Oral Microbiology, 2010, 25, 50-60.	2.7	28
80	Characterization of a novel family of fibronectinâ€binding proteins with M23 peptidase domains from Treponema denticola. Molecular Oral Microbiology, 2010, 25, 369-383.	2.7	28
81	Streptococcus gordonii<scp>DL</scp>1 adhesin SspB Vâ€region mediates coaggregation via receptor polysaccharide of Actinomyces oris T14V. Molecular Oral Microbiology, 2015, 30, 411-424.	2.7	27
82	Glucosyltransferase production by Streptococcus sanguis Challis and comparison with other oral streptococci. Oral Microbiology and Immunology, 1990, 5, 63-71.	2.8	26
83	The Streptococcus gordonii Adhesin CshA Protein Binds Host Fibronectin via a Catch-Clamp Mechanism. Journal of Biological Chemistry, 2017, 292, 1538-1549.	3.4	26
84	Coassociation between Group B Streptococcus and Candida albicans Promotes Interactions with Vaginal Epithelium. Infection and Immunity, 2018, 86, .	2.2	26
85	Mechanism of Outside-In Î±_{IIb}Î²₃-Mediated Activation of Human Platelets by the Colonizing Bacterium,Streptococcus gordonii. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2408-2415.	2.4	25
86	Generic determinants of Streptococcus colonization and infection. Infection, Genetics and Evolution, 2015, 33, 361-370.	2.3	23
87	The accessory Sec system (SecY2A2) in Streptococcus pneumoniae is involved in export of pneumolysin toxin, adhesion and biofilm formation. Microbes and Infection, 2017, 19, 402-412.	1.9	23
88	Effect of Sodium Taurocholate on the In Vitro Growth of Lactobacilli. Microbial Ecology, 1997, 33, 163-167.	2.8	22
89	The Microbiology of Periodontal Disease. Dental Update, 1999, 26, 191-197.	0.2	22
90	The AgI/II Family Adhesin AspA Is Required for Respiratory Infection by Streptococcus pyogenes. PLoS ONE, 2013, 8, e62433.	2.5	22

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91	Influence of Different Functional Elements of Plasmid pGT232 on Maintenance of Recombinant Plasmids in Lactobacillus reuteri Populations In Vitro and In Vivo. Applied and Environmental Microbiology, 1999, 65, 5378-5385.	3.1	19
92	Interruption of the Streptococcus gordonii M5 sspA/sspB intergenic region by an insertion sequence related to IS1167 of Streptococcus pneumoniae. Microbiology (United Kingdom), 1997, 143, 2047-2055.	1.8	18
93	Cloning and expression of the 3-isopropylmalate dehydrogenase gene fromCandida albicans. FEMS Microbiology Letters, 1988, 49, 285-288.	1.8	16
94	Lipoproteins and other cell-surface associated proteins in streptococci. Cytotechnology, 1998, 20, 209-216.	0.7	16
95	Multiple sites on Streptococcus gordonii surface protein PadA bind to platelet GPIIbIIIa. Thrombosis and Haemostasis, 2013, 110, 1278-1287.	3.4	16
96	Mapping the recognition domains of pneumococcal fibronectinâ€binding proteins PavA and PavB demonstrates a common pattern of molecular interactions with fibronectin type III repeats. Molecular Microbiology, 2017, 105, 839-859.	2.5	16
97	Cell-surface polypeptides as determinants of hydrophobicity in Streptococcus gordonii and Streptococcus sanguis. Colloids and Surfaces B: Biointerfaces, 1995, 5, 135-142.	5.0	15
98	In vivo model for microbial invasion of tooth root dentinal tubules. Journal of Applied Oral Science, 2016, 24, 126-135.	1.8	14
99	Streptococcus gordonii Collagen-binding Domain Protein CbdA May Enhance Bacterial Survival in Instrumented Root Canals ExAVivo. Journal of Endodontics, 2013, 39, 39-43.	3.1	13
100	Concerted functions ofStreptococcus gordoniisurface proteins PadA and Hsa mediate activation of human platelets and interactions with extracellular matrix. Cellular Microbiology, 2017, 19, e12667.	2.1	13
101	Syndecan-1 Promotes Streptococcus pneumoniae Corneal Infection by Facilitating the Assembly of Adhesive Fibronectin Fibrils. MBio, 2020, 11, .	4.1	13
102	Anchorage and release of Gram-positive bacterial cell-surface polypeptides. Trends in Microbiology, 1995, 3, 333-335.	7.7	12
103	Epidemiological and Molecular Characterization of an Invasive Group A Streptococcus emm 32.2 Outbreak. Journal of Clinical Microbiology, 2017, 55, 1837-1846.	3.9	12
104	Growth and energy production in Bacteroides amylophilus. Archives of Microbiology, 1979, 120, 275-281.	2.2	11
105	Differential interactions of <scp>S</scp>treptococcus gordonii and <scp>S</scp>taphylococcus aureus with cultured osteoblasts. Molecular Oral Microbiology, 2013, 28, 250-266.	2.7	11
106	Essential Oils and Zirconia Dental Implant Materials. International Journal of Oral and Maxillofacial Implants, 2013, 28, 1497-1505.	1.4	11
107	Structure of the Câ€terminal domain of AspA (antigen I/IIâ€family) protein from Streptococcus pyogenes. FEBS Open Bio, 2014, 4, 283-289.	2.3	11
108	Transcriptome analysis of Streptococcus gordonii Challis <scp>DL</scp>1 indicates a role for the biofilmâ€associated fru<scp>RBA</scp> operon in response to Candida albicans. Molecular Oral Microbiology, 2016, 31, 314-328.	2.7	11

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109	Interactions of Actinomyces naeslundii strains T14V and ATCC 12104 with saliva, collagen and fibrinogen. Archives of Oral Biology, 1993, 38, 533-535.	1.8	10
110	Composition and Activity of the Non-canonical Gram-positive SecY2 Complex. Journal of Biological Chemistry, 2016, 291, 21474-21484.	3.4	10
111	Interspecies dynamics among bacteria associated with canine periodontal disease. Molecular Oral Microbiology, 2018, 33, 59-67.	2.7	10
112	The streptococcal multidomain fibrillar adhesin CshA has an elongated polymeric architecture. Journal of Biological Chemistry, 2020, 295, 6689-6699.	3.4	8
113	Sterilization of microorganisms on jet spray formed titanium dioxide surfaces. Applied Catalysis B: Environmental, 2011, , .	20.2	5
114	Cell surface protein receptors in oral streptococci. FEMS Microbiology Letters, 1994, 121, 133-140.	1.8	4
115	Lipoproteins and other cell-surface associated proteins in streptococci. , 1998, , 209-216.		3
116	Polypeptide Linkage to Bacterial Cell Envelope Glycopolymers. , 2002, , 67-91.		1
117	Adhesive surface structures of oral streptococci. , 2002, , 59-88.		1
118	Interactions of mitis group streptococci with sialic acid receptors. International Congress Series, 2006, 1289, 275-278.	0.2	1
119	The pneumococcus: â€˜old man's friendâ€™ and children's foe. Microbiology (United Kingdom), 2006, 152, 281-283.	1.8	1
120	Oral hygiene as a risk factor in infective endocarditis. Dental Update, 2017, 44, 877-890.	0.2	1
121	Genetics of sanguinis Group Streptococci. , 0, , 347-355.		1
122	The Effect of Different Surface Modifications on Titanium Dental Implant Surface Characteristics and Bacterial Adhesion. IOSR Journal of Dental and Medical Sciences, 2016, 15, 62-70.	0.0	1
123	Anchorless adhesins and invasins of Gram-positive bacteria: a new class of virulence factors. Trends in Microbiology, 2002, 10, 208.	7.7	0
124	Big Events in a Small World: the Changing Face of Oral Microbiology. Journal of Dental Research, 2002, 81, 84-88.	5.2	0
125	Editorial. Molecular Oral Microbiology, 2010, 25, 2-2.	2.7	0
126	Editorial. Molecular Oral Microbiology, 2011, 26, 173-173.	2.7	0

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127	The Oral Microbial Ecosystem and Beyond. , 0, , 1-17.		0
128	Big events in a small world: the changing face of oral microbiology. Journal of Dental Research, 2002, 81, 84-8.	5.2	0