Masae Kuboniwa

List of Publications by Year
in descending order

63 papers	3,520 citations	101543 36 h-index	138484 58 g-index
66 all docs	66 docs citations	66 times ranked	3304 citing authors

#	Article	IF	Citations
1	Involvement of a periodontal pathogen, Porphyromonas gingivalis on the pathogenesis of non-alcoholic fatty liver disease. BMC Gastroenterology, 2012, 12, 16.	2.0	215
2	Porphyromonas gingivalispromotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. Cellular Microbiology, 2014, 16, 131-145.	2.1	186
3	Prevalence of Specific Genotypes of Porphyromonas gingivalis fimA and Periodontal Health Status. Journal of Dental Research, 2000, 79, 1664-1668.	5.2	184
4	P. gingivalis accelerates gingival epithelial cell progression through the cell cycle. Microbes and Infection, 2008, 10, 122-128.	1.9	156
5	Quantitative detection of periodontal pathogens using real-time polymerase chain reaction with TaqMan probes. Oral Microbiology and Immunology, 2004, 19, 168-176.	2.8	150
6	Functional Differences among FimA Variants of Porphyromonas gingivalis and Their Effects on Adhesion to and Invasion of Human Epithelial Cells. Infection and Immunity, 2002, 70, 277-285.	2.2	145
7	Streptococcus gordonii utilizes several distinct gene functions to recruit Porphyromonas gingivalis into a mixed community. Molecular Microbiology, 2006, 60, 121-139.	2.5	129
8	Subgingival biofilm formation. Periodontology 2000, 2010, 52, 38-52.	13.4	129
9	Metabolic crosstalk regulates Porphyromonas gingivalis colonization and virulence during oral polymicrobial infection. Nature Microbiology, 2017, 2, 1493-1499.	13.3	100
10	Virulence of Porphyromonas gingivalis is altered by substitution of fimbria gene with different genotype. Cellular Microbiology, 2007, 9, 753-765.	2.1	95
11	Proteomics of Porphyromonas gingivalis within a model oral microbial community. BMC Microbiology, 2009, 9, 98.	3.3	95
12	LuxS Involvement in the Regulation of Genes Coding for Hemin and Iron Acquisition Systems in Porphyromonas gingivalis. Infection and Immunity, 2006, 74, 3834-3844.	2.2	94
13	Contribution of periodontal pathogens on tongue dorsa analyzed with real-time PCR to oral malodor. Microbes and Infection, 2004, 6, 1078-1083.	1.9	93
14	Longitudinal Study of the Association Between Smoking as a Periodontitis Risk and Salivary Biomarkers Related to Periodontitis. Journal of Periodontology, 2007, 78, 859-867.	3.4	86
15	Porphyromonas gingivalis Induces Receptor Activator of NF-Î²B Ligand Expression in Osteoblasts through the Activator Protein 1 Pathway. Infection and Immunity, 2004, 72, 1706-1714.	2.2	84
16	Distinct roles of long/short fimbriae and gingipains in homotypic biofilm development by Porphyromonas gingivalis. BMC Microbiology, 2009, 9, 105.	3.3	84
17	Antibacterial Activity of Curcumin Against Periodontopathic Bacteria. Journal of Periodontology, 2016, 87, 83-90.	3.4	82
18	Porphyromonas gingivalis Genes Involved in Community Development with Streptococcus gordonii. Infection and Immunity, 2006, 74, 6419-6428.	2.2	79

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19	Prediction of Periodontal Inflammation via Metabolic Profiling of Saliva. Journal of Dental Research, 2016, 95, 1381-1386.	5.2	78
20	Comparison of inflammatory changes caused by Porphyromonas gingivalis with distinct fimA genotypes in a mouse abscess model. Oral Microbiology and Immunology, 2004, 19, 205-209.	2.8	70
21	Erythritol alters microstructure and metabolomic profiles of biofilm composed of <scp>S</scp>treptococcus gordonii and <scp>P</scp>orphyromonas gingivalis. Molecular Oral Microbiology, 2013, 28, 435-451.	2.7	69
22	Porphyromonas gingivalis Fimbriae Mediate Coaggregation with Streptococcus oralis through Specific Domains. Journal of Dental Research, 1997, 76, 852-857.	5.2	67
23	Distinct signatures of dental plaque metabolic byproducts dictated by periodontal inflammatory status. Scientific Reports, 2017, 7, 42818.	3.3	61
24	Arginine-Ornithine Antiporter ArcD Controls Arginine Metabolism and Interspecies Biofilm Development of Streptococcus gordonii. Journal of Biological Chemistry, 2015, 290, 21185-21198.	3.4	56
25	Hemoglobin-Binding Protein Purified fromPorphyromonas gingivalisIs Identical to Lysine-Specific Cysteine Proteinase (Lys-Gingipain). Biochemical and Biophysical Research Communications, 1998, 249, 38-43.	2.1	55
26	Specific Antibodies to Porphyromonas gingivalisLys-Gingipain by DNA Vaccination Inhibit Bacterial Binding to Hemoglobin and Protect Mice from Infection. Infection and Immunity, 2001, 69, 2972-2979.	2.2	53
27	Porphyromonas gingivalisinvades human trophoblasts and inhibits proliferation by inducing G1 arrest and apoptosis. Cellular Microbiology, 2009, 11, 1517-1532.	2.1	49
28	Role of the Porphyromonas gingivalis InlJ Protein in Homotypic and Heterotypic Biofilm Development. Infection and Immunity, 2006, 74, 3002-3005.	2.2	48
29	Effect of Eucalyptus Extract Chewing Gum on Periodontal Health: A Doubleâ€Masked, Randomized Trial. Journal of Periodontology, 2008, 79, 1378-1385.	3.4	46
30	Insights into the virulence of oral biofilms: discoveries from proteomics. Expert Review of Proteomics, 2012, 9, 311-323.	3.0	46
31	Identification of the Binding Domain of Streptococcus oralis Glyceraldehyde-3-Phosphate Dehydrogenase for Porphyromonas gingivalis Major Fimbriae. Infection and Immunity, 2009, 77, 5130-5138.	2.2	45
32	Heterogenic virulence and related factors among clinical isolates of Porphyromonas gingivalis with type II fimbriae. Oral Microbiology and Immunology, 2008, 23, 29-35.	2.8	44
33	Porphyromonas gingivalis induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of junctional adhesion molecule 1. PLoS Pathogens, 2019, 15, e1008124.	4.7	42
34	Association Between Involuntary Smoking and Salivary Markers Related to Periodontitis: A 2â€¥ear Longitudinal Study. Journal of Periodontology, 2008, 79, 2233-2240.	3.4	41
35	Characterization of Binding of Streptococcus oralis Glyceraldehyde-3-Phosphate Dehydrogenase to Porphyromonas gingivalis Major Fimbriae. Infection and Immunity, 2004, 72, 5475-5477.	2.2	39
36	Binding of hemoglobin byPorphyromonas gingivalis. FEMS Microbiology Letters, 1995, 134, 63-67.	1.8	38

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37	Identification of Signaling Pathways Mediating Cell Cycle Arrest and Apoptosis Induced by Porphyromonas gingivalis in Human Trophoblasts. Infection and Immunity, 2012, 80, 2847-2857.	2.2	37
38	<scp>P</scp>orphyromonas gingivalis biofilms persist after chlorhexidine treatment. European Journal of Oral Sciences, 2013, 121, 162-168.	1.5	36
39	Dual lifestyle of Porphyromonas gingivalis in biofilm and gingival cells. Microbial Pathogenesis, 2016, 94, 42-47.	2.9	36
40	Genotyping to distinguish microbial pathogenicity in periodontitis. Periodontology 2000, 2010, 54, 136-159.	13.4	35
41	Effect of Eucalyptus-Extract Chewing Gum on Oral Malodor: A Double-Masked, Randomized Trial. Journal of Periodontology, 2010, 81, 1564-1571.	3.4	32
42	Active sites of salivary proline-rich protein for binding to Porphyromonas gingivalis fimbriae. Infection and Immunity, 1997, 65, 3159-3164.	2.2	30
43	Identification and Characterization of Porphyromonas gingivalis Client Proteins That Bind to Streptococcus oralis Glyceraldehyde-3-Phosphate Dehydrogenase. Infection and Immunity, 2013, 81, 753-763.	2.2	29
44	Homotypic biofilm structure of Porphyromonas gingivalis is affected by FimA type variations. Oral Microbiology and Immunology, 2009, 24, 260-263.	2.8	16
45	Altered antigenicity in periodontitis patients and decreased adhesion of Porphyromonas gingivalis by environmental temperature stress. Oral Microbiology and Immunology, 2001, 16, 124-128.	2.8	15
46	Intracellular periodontal pathogen exploits recycling pathway to exit from infected cells. Cellular Microbiology, 2016, 18, 928-948.	2.1	15
47	Saliva and Plasma Reflect Metabolism Altered by Diabetes and Periodontitis. Frontiers in Molecular Biosciences, 2021, 8, 742002.	3.5	15
48	Distribution and molecular characterization of Porphyromonas gulae carrying a new fimA genotype. Veterinary Microbiology, 2012, 161, 196-205.	1.9	13
49	Potential of Prebiotic D-Tagatose for Prevention of Oral Disease. Frontiers in Cellular and Infection Microbiology, 2021, 11, 767944.	3.9	13
50	Development of Web-based intervention system for periodontal health: a pilot study in the workplace. Informatics for Health and Social Care, 2003, 28, 291-298.	1.0	11
51	Purification and characterization of a hemoglobin-binding outer membrane protein ofPrevotella intermedia. FEMS Microbiology Letters, 2004, 235, 333-339.	1.8	10
52	The sinR Ortholog PGN_0088 Encodes a Transcriptional Regulator That Inhibits Polysaccharide Synthesis in Porphyromonas gingivalis ATCC 33277 Biofilms. PLoS ONE, 2013, 8, e56017.	2.5	7
53	Characterization of binding and utilization of hemoglobin by Prevotella nigrescens. Oral Microbiology and Immunology, 2002, 17, 157-162.	2.8	6
54	Characterization of Hemoglobin Binding to Actinobacillus actinomycetemcomitans. Anaerobe, 2002, 8, 109-114.	2.1	6

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55	Transcellular invasive mechanisms of Porphyromonas gingivalis in hostâ€“parasite interactions. Journal of Oral Biosciences, 2014, 56, 58-62.	2.2	6
56	Porphyromonas gingivalis induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of coxsackievirus and adenovirus receptor. Cellular Microbiology, 2021, 23, e13388.	2.1	6
57	Binding of hemoglobin by Porphyromonas gingivalis. FEMS Microbiology Letters, 1995, 134, 63-67.	1.8	6
58	Purification and characterization of a hemoglobin-binding outer membrane protein of Prevotella intermedia. FEMS Microbiology Letters, 2004, 235, 333-339.	1.8	5
59	Profiling volatile compounds from culture supernatants of periodontal bacteria using gas chromatography/mass spectrometry/olfactometry analysis with a monolithic silica gel adsorption device. Journal of Bioscience and Bioengineering, 2022, 134, 77-83.	2.2	1
60	Purification and characterization of a hemoglobin-binding outer membrane protein of Prevotella intermedia. Animal Feed Science and Technology, 2004, 235, 333-333.	2.2	0
61	Genotyping of Periodontal Anaerobic Bacteria in Relationship to Pathogenesis. , 2013, , 149-165.		0
62	Letter to the Editor: â€œExamining Bias and Reporting in Oral Health Prediction Modeling Studiesâ€• Journal of Dental Research, 2020, 99, 1306-1306.	5.2	0
63	Erythritol alters microstructure and metabolomic profiles of biofilm composed ofStreptococcus gordoniiandPorphyromonas gingivalis. Molecular Oral Microbiology, 2013, , n/a-n/a.	2.7	0