

# Masae Kuboniwa

## List of Publications by Year in descending order

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63  
papers

3,520  
citations

101496

36  
h-index

138417

58  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling volatile compounds from culture supernatants of periodontal bacteria using gas chromatography/mass spectrometry/olfactometry analysis with a monolithic silica gel adsorption device. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 77-83.	1.1	1
2	<i>Porphyromonas gingivalis</i> induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of coxsackievirus and adenovirus receptor. <i>Cellular Microbiology</i> , 2021, 23, e13388.	1.1	6
3	Saliva and Plasma Reflect Metabolism Altered by Diabetes and Periodontitis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 742002.	1.6	15
4	Potential of Prebiotic D-Tagatose for Prevention of Oral Disease. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 767944.	1.8	13
5	Letter to the Editor: "Examining Bias and Reporting in Oral Health Prediction Modeling Studies". <i>Journal of Dental Research</i> , 2020, 99, 1306-1306.	2.5	0
6	<i>Porphyromonas gingivalis</i> induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of junctional adhesion molecule 1. <i>PLoS Pathogens</i> , 2019, 15, e1008124.	2.1	42
7	Distinct signatures of dental plaque metabolic byproducts dictated by periodontal inflammatory status. <i>Scientific Reports</i> , 2017, 7, 42818.	1.6	61
8	Metabolic crosstalk regulates <i>Porphyromonas gingivalis</i> colonization and virulence during oral polymicrobial infection. <i>Nature Microbiology</i> , 2017, 2, 1493-1499.	5.9	100
9	Intracellular periodontal pathogen exploits recycling pathway to exit from infected cells. <i>Cellular Microbiology</i> , 2016, 18, 928-948.	1.1	15
10	Prediction of Periodontal Inflammation via Metabolic Profiling of Saliva. <i>Journal of Dental Research</i> , 2016, 95, 1381-1386.	2.5	78
11	Dual lifestyle of <i>Porphyromonas gingivalis</i> in biofilm and gingival cells. <i>Microbial Pathogenesis</i> , 2016, 94, 42-47.	1.3	36
12	Antibacterial Activity of Curcumin Against Periodontopathic Bacteria. <i>Journal of Periodontology</i> , 2016, 87, 83-90.	1.7	82
13	Arginine-Ornithine Antiporter ArcD Controls Arginine Metabolism and Interspecies Biofilm Development of <i>Streptococcus gordonii</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 21185-21198.	1.6	56
14	<i>Porphyromonas gingivalis</i> promotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. <i>Cellular Microbiology</i> , 2014, 16, 131-145.	1.1	186
15	Transcellular invasive mechanisms of <i>Porphyromonas gingivalis</i> in host-parasite interactions. <i>Journal of Oral Biosciences</i> , 2014, 56, 58-62.	0.8	6
16	Genotyping of Periodontal Anaerobic Bacteria in Relationship to Pathogenesis. , 2013, , 149-165.		0
17	<i>Porphyromonas gingivalis</i> biofilms persist after chlorhexidine treatment. <i>European Journal of Oral Sciences</i> , 2013, 121, 162-168.	0.7	36
18	Identification and Characterization of <i>Porphyromonas gingivalis</i> Client Proteins That Bind to <i>Streptococcus oralis</i> Glyceraldehyde-3-Phosphate Dehydrogenase. <i>Infection and Immunity</i> , 2013, 81, 753-763.	1.0	29

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19	Erythritol alters microstructure and metabolomic profiles of biofilm composed of <i>Streptococcus gordonii</i> and <i>Porphyromonas gingivalis</i> . <i>Molecular Oral Microbiology</i> , 2013, 28, 435-451.	1.3	69
20	The sinR Ortholog PGN_0088 Encodes a Transcriptional Regulator That Inhibits Polysaccharide Synthesis in <i>Porphyromonas gingivalis</i> ATCC 33277 Biofilms. <i>PLoS ONE</i> , 2013, 8, e56017.	1.1	7
21	Erythritol alters microstructure and metabolomic profiles of biofilm composed of <i>Streptococcus gordonii</i> and <i>Porphyromonas gingivalis</i> . <i>Molecular Oral Microbiology</i> , 2013, , n/a-n/a.	1.3	0
22	Identification of Signaling Pathways Mediating Cell Cycle Arrest and Apoptosis Induced by <i>Porphyromonas gingivalis</i> in Human Trophoblasts. <i>Infection and Immunity</i> , 2012, 80, 2847-2857.	1.0	37
23	Insights into the virulence of oral biofilms: discoveries from proteomics. <i>Expert Review of Proteomics</i> , 2012, 9, 311-323.	1.3	46
24	Distribution and molecular characterization of <i>Porphyromonas gulae</i> carrying a new fimA genotype. <i>Veterinary Microbiology</i> , 2012, 161, 196-205.	0.8	13
25	Involvement of a periodontal pathogen, <i>Porphyromonas gingivalis</i> on the pathogenesis of non-alcoholic fatty liver disease. <i>BMC Gastroenterology</i> , 2012, 12, 16.	0.8	215
26	Subgingival biofilm formation. <i>Periodontology 2000</i> , 2010, 52, 38-52.	6.3	129
27	Genotyping to distinguish microbial pathogenicity in periodontitis. <i>Periodontology 2000</i> , 2010, 54, 136-159.	6.3	35
28	Effect of Eucalyptus-Extract Chewing Gum on Oral Malodor: A Double-Masked, Randomized Trial. <i>Journal of Periodontology</i> , 2010, 81, 1564-1571.	1.7	32
29	Identification of the Binding Domain of <i>Streptococcus oralis</i> Glyceraldehyde-3-Phosphate Dehydrogenase for <i>Porphyromonas gingivalis</i> Major Fimbriae. <i>Infection and Immunity</i> , 2009, 77, 5130-5138.	1.0	45
30	Distinct roles of long/short fimbriae and gingipains in homotypic biofilm development by <i>Porphyromonas gingivalis</i> . <i>BMC Microbiology</i> , 2009, 9, 105.	1.3	84
31	Proteomics of <i>Porphyromonas gingivalis</i> within a model oral microbial community. <i>BMC Microbiology</i> , 2009, 9, 98.	1.3	95
32	Homotypic biofilm structure of <i>Porphyromonas gingivalis</i> is affected by FimA type variations. <i>Oral Microbiology and Immunology</i> , 2009, 24, 260-263.	2.8	16
33	<i>Porphyromonas gingivalis</i> invades human trophoblasts and inhibits proliferation by inducing G1 arrest and apoptosis. <i>Cellular Microbiology</i> , 2009, 11, 1517-1532.	1.1	49
34	Heterogenic virulence and related factors among clinical isolates of <i>Porphyromonas gingivalis</i> with type II fimbriae. <i>Oral Microbiology and Immunology</i> , 2008, 23, 29-35.	2.8	44
35	<i>P. gingivalis</i> accelerates gingival epithelial cell progression through the cell cycle. <i>Microbes and Infection</i> , 2008, 10, 122-128.	1.0	156
36	Association Between Involuntary Smoking and Salivary Markers Related to Periodontitis: A 2-Year Longitudinal Study. <i>Journal of Periodontology</i> , 2008, 79, 2233-2240.	1.7	41

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37	Effect of Eucalyptus Extract Chewing Gum on Periodontal Health: A Double-Blinded, Randomized Trial. <i>Journal of Periodontology</i> , 2008, 79, 1378-1385.	1.7	46
38	Longitudinal Study of the Association Between Smoking as a Periodontitis Risk and Salivary Biomarkers Related to Periodontitis. <i>Journal of Periodontology</i> , 2007, 78, 859-867.	1.7	86
39	Virulence of <i>Porphyromonas gingivalis</i> is altered by substitution of fimbria gene with different genotype. <i>Cellular Microbiology</i> , 2007, 9, 753-765.	1.1	95
40	<i>Streptococcus gordonii</i> utilizes several distinct gene functions to recruit <i>Porphyromonas gingivalis</i> into a mixed community. <i>Molecular Microbiology</i> , 2006, 60, 121-139.	1.2	129
41	<i>Porphyromonas gingivalis</i> Genes Involved in Community Development with <i>Streptococcus gordonii</i> . <i>Infection and Immunity</i> , 2006, 74, 6419-6428.	1.0	79
42	LuxS Involvement in the Regulation of Genes Coding for Hemin and Iron Acquisition Systems in <i>Porphyromonas gingivalis</i> . <i>Infection and Immunity</i> , 2006, 74, 3834-3844.	1.0	94
43	Role of the <i>Porphyromonas gingivalis</i> InlJ Protein in Homotypic and Heterotypic Biofilm Development. <i>Infection and Immunity</i> , 2006, 74, 3002-3005.	1.0	48
44	Characterization of Binding of <i>Streptococcus oralis</i> Glyceraldehyde-3-Phosphate Dehydrogenase to <i>Porphyromonas gingivalis</i> Major Fimbriae. <i>Infection and Immunity</i> , 2004, 72, 5475-5477.	1.0	39
45	<i>Porphyromonas gingivalis</i> Induces Receptor Activator of NF- $\kappa$ B Ligand Expression in Osteoblasts through the Activator Protein 1 Pathway. <i>Infection and Immunity</i> , 2004, 72, 1706-1714.	1.0	84
46	Purification and characterization of a hemoglobin-binding outer membrane protein of <i>Prevotella intermedia</i> . <i>FEMS Microbiology Letters</i> , 2004, 235, 333-339.	0.7	10
47	Comparison of inflammatory changes caused by <i>Porphyromonas gingivalis</i> with distinct fimA genotypes in a mouse abscess model. <i>Oral Microbiology and Immunology</i> , 2004, 19, 205-209.	2.8	70
48	Quantitative detection of periodontal pathogens using real-time polymerase chain reaction with TaqMan probes. <i>Oral Microbiology and Immunology</i> , 2004, 19, 168-176.	2.8	150
49	Contribution of periodontal pathogens on tongue dorsa analyzed with real-time PCR to oral malodor. <i>Microbes and Infection</i> , 2004, 6, 1078-1083.	1.0	93
50	Purification and characterization of a hemoglobin-binding outer membrane protein of <i>Prevotella intermedia</i> . <i>Animal Feed Science and Technology</i> , 2004, 235, 333-333.	1.1	0
51	Purification and characterization of a hemoglobin-binding outer membrane protein of <i>Prevotella intermedia</i> . <i>FEMS Microbiology Letters</i> , 2004, 235, 333-339.	0.7	5
52	Development of Web-based intervention system for periodontal health: a pilot study in the workplace. <i>Informatics for Health and Social Care</i> , 2003, 28, 291-298.	1.0	11
53	Functional Differences among FimA Variants of <i>Porphyromonas gingivalis</i> and Their Effects on Adhesion to and Invasion of Human Epithelial Cells. <i>Infection and Immunity</i> , 2002, 70, 277-285.	1.0	145
54	Characterization of binding and utilization of hemoglobin by <i>Prevotella nigrescens</i> . <i>Oral Microbiology and Immunology</i> , 2002, 17, 157-162.	2.8	6

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55	Characterization of Hemoglobin Binding to <i>Actinobacillus actinomycetemcomitans</i> . <i>Anaerobe</i> , 2002, 8, 109-114.	1.0	6
56	Altered antigenicity in periodontitis patients and decreased adhesion of <i>Porphyromonas gingivalis</i> by environmental temperature stress. <i>Oral Microbiology and Immunology</i> , 2001, 16, 124-128.	2.8	15
57	Specific Antibodies to <i>Porphyromonas gingivalis</i> Lys-Gingipain by DNA Vaccination Inhibit Bacterial Binding to Hemoglobin and Protect Mice from Infection. <i>Infection and Immunity</i> , 2001, 69, 2972-2979.	1.0	53
58	Prevalence of Specific Genotypes of <i>Porphyromonas gingivalis</i> fimA and Periodontal Health Status. <i>Journal of Dental Research</i> , 2000, 79, 1664-1668.	2.5	184
59	Hemoglobin-Binding Protein Purified from <i>Porphyromonas gingivalis</i> Is Identical to Lysine-Specific Cysteine Proteinase (Lys-Gingipain). <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 38-43.	1.0	55
60	<i>Porphyromonas gingivalis</i> Fimbriae Mediate Coaggregation with <i>Streptococcus oralis</i> through Specific Domains. <i>Journal of Dental Research</i> , 1997, 76, 852-857.	2.5	67
61	Active sites of salivary proline-rich protein for binding to <i>Porphyromonas gingivalis</i> fimbriae. <i>Infection and Immunity</i> , 1997, 65, 3159-3164.	1.0	30
62	Binding of hemoglobin by <i>Porphyromonas gingivalis</i> . <i>FEMS Microbiology Letters</i> , 1995, 134, 63-67.	0.7	38
63	Binding of hemoglobin by <i>Porphyromonas gingivalis</i> . <i>FEMS Microbiology Letters</i> , 1995, 134, 63-67.	0.7	6