

# Tomoki Maekawa

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,140  
citations

279487

23  
h-index

233125

45  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyromonas gingivalis Manipulates Complement and TLR Signaling to Uncouple Bacterial Clearance from Inflammation and Promote Dysbiosis. Cell Host and Microbe, 2014, 15, 768-778.	5.1	318
2	Periodontitis-associated up-regulation of systemic inflammatory mediator level may increase the risk of coronary heart disease. Journal of Periodontal Research, 2010, 45, 116-122.	1.4	128
3	Chronic Oral Infection with Porphyromonas gingivalis Accelerates Atheroma Formation by Shifting the Lipid Profile. PLoS ONE, 2011, 6, e20240.	1.1	111
4	Antagonistic effects of IL-17 and D-resolvins on endothelial Del-1 expression through a GSK-3 $\beta$ -C/EBP $\beta$ pathway. Nature Communications, 2015, 6, 8272.	5.8	100
5	Genetic and Intervention Studies Implicating Complement C3 as a Major Target for the Treatment of Periodontitis. Journal of Immunology, 2014, 192, 6020-6027.	0.4	97
6	Topical treatment with probiotic <i>Lactobacillus brevis</i> CD2 inhibits experimental periodontal inflammation and bone loss. Journal of Periodontal Research, 2014, 49, 785-791.	1.4	95
7	DEL-1 restrains osteoclastogenesis and inhibits inflammatory bone loss in nonhuman primates. Science Translational Medicine, 2015, 7, 307ra155.	5.8	81
8	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. Journal of Clinical Investigation, 2017, 127, 3624-3639.	3.9	78
9	Role of complement in host-microbe homeostasis of the periodontium. Seminars in Immunology, 2013, 25, 65-72.	2.7	75
10	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, 1427-1435.	0.4	62
11	Elevated expression of IL-17 and IL-12 genes in chronic inflammatory periodontal disease. Clinica Chimica Acta, 2008, 395, 137-141.	0.5	60
12	Complement-Dependent Mechanisms and Interventions in Periodontal Disease. Frontiers in Immunology, 2019, 10, 406.	2.2	60
13	Neutrophil Elastase Subverts the Immune Response by Cleaving Toll-Like Receptors and Cytokines in Pneumococcal Pneumonia. Frontiers in Immunology, 2018, 9, 732.	2.2	59
14	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, 238-249.	2.3	55
15	Complement Involvement in Periodontitis: Molecular Mechanisms and Rational Therapeutic Approaches. Advances in Experimental Medicine and Biology, 2015, 865, 57-74.	0.8	53
16	Streptococcus pneumoniae disrupts pulmonary immune defence via elastase release following pneumolysin-dependent neutrophil lysis. Scientific Reports, 2016, 6, 38013.	1.6	50
17	A large-scale, prospective, observational study of leukocytapheresis for ulcerative colitis: Treatment outcomes of 847 patients in clinical practice. Journal of Crohn's and Colitis, 2014, 8, 981-991.	0.6	49
18	A bacterial metabolite ameliorates periodontal pathogen-induced gingival epithelial barrier disruption via GPR40 signaling. Scientific Reports, 2018, 8, 9008.	1.6	42

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19	Antibacterial activity of hinokitiol against both antibiotic-resistant and susceptible pathogenic bacteria that predominate in the oral cavity and upper airways. <i>Microbiology and Immunology</i> , 2019, 63, 213-222.	0.7	38
20	The secreted protein DEL-1 activates a $\beta$ 3 integrin-FAK-ERK1/2-RUNX2 pathway and promotes osteogenic differentiation and bone regeneration. <i>Journal of Biological Chemistry</i> , 2020, 295, 7261-7273.	1.6	37
21	Differential Expression and Roles of Secreted Frizzled-Related Protein 5 and the Wingless Homolog Wnt5a in Periodontitis. <i>Journal of Dental Research</i> , 2017, 96, 571-577.	2.5	34
22	C3-targeted therapy in periodontal disease: moving closer to the clinic. <i>Trends in Immunology</i> , 2021, 42, 856-864.	2.9	27
23	Oral infection with <i>Porphyromonas gingivalis</i> and systemic cytokine profile in C57BL/6.KOR <sup>ApoE</sup> mice. <i>Journal of Periodontal Research</i> , 2012, 47, 402-408.	1.4	26
24	<i>Porphyromonas gingivalis</i> ; Antigens and Interleukin-6 Stimulate the Production of Monocyte Chemoattractant Protein-1 via the Upregulation of Early Growth Response-1 Transcription in Human Coronary Artery Endothelial Cells. <i>Journal of Vascular Research</i> , 2010, 47, 346-354.	0.6	24
25	Gingival Exudatome Dynamics Implicate Inhibition of the Alternative Complement Pathway in the Protective Action of the C3 Inhibitor Cp40 in Nonhuman Primate Periodontitis. <i>Journal of Proteome Research</i> , 2018, 17, 3153-3175.	1.8	24
26	Antimicrobial susceptibility of <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> , and <i>Moraxella catarrhalis</i> clinical isolates from children with acute otitis media in Japan from 2014 to 2017. <i>Journal of Infection and Chemotherapy</i> , 2019, 25, 229-232.	0.8	24
27	Pneumococcal DNA-binding proteins released through autolysis induce the production of proinflammatory cytokines via toll-like receptor 4. <i>Cellular Immunology</i> , 2018, 325, 14-22.	1.4	23
28	Increased expression of C-reactive protein gene in inflamed gingival tissues could be derived from endothelial cells stimulated with interleukin-6. <i>Archives of Oral Biology</i> , 2011, 56, 1312-1318.	0.8	22
29	M2 Phenotype Macrophages Colocalize with Schwann Cells in Human Dental Pulp. <i>Journal of Dental Research</i> , 2020, 99, 329-338.	2.5	21
30	Protective effect of hinokitiol against periodontal bone loss in ligature-induced experimental periodontitis in mice. <i>Archives of Oral Biology</i> , 2020, 112, 104679.	0.8	21
31	Erythromycin inhibits neutrophilic inflammation and mucosal disease by upregulating DEL-1. <i>JCI Insight</i> , 2020, 5, .	2.3	20
32	DHEA Inhibits Leukocyte Recruitment through Regulation of the Integrin Antagonist DEL-1. <i>Journal of Immunology</i> , 2020, 204, 1214-1224.	0.4	19
33	Relationship between serum antibody titres to <i>Porphyromonas gingivalis</i> and hs-CRP levels as inflammatory markers of periodontitis. <i>Archives of Oral Biology</i> , 2012, 57, 820-829.	0.8	17
34	Immunization with pneumococcal elongation factor Tu enhances serotype-independent protection against <i>Streptococcus pneumoniae</i> infection. <i>Vaccine</i> , 2019, 37, 160-168.	1.7	17
35	Osteoimmunology in Periodontitis: Local Proteins and Compounds to Alleviate Periodontitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5540.	1.8	17
36	Mechanism of Macrolide-Induced Inhibition of Pneumolysin Release Involves Impairment of Autolysin Release in Macrolide-Resistant <i>Streptococcus pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	15

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37	<i>Aggregatibacter actinomycetemcomitans</i> induces detachment and death of human gingival epithelial cells and fibroblasts via elastase release following leukotoxin-dependent neutrophil lysis. <i>Microbiology and Immunology</i> , 2019, 63, 100-110.	0.7	15
38	Peptides from rice endosperm protein restrain periodontal bone loss in mouse model of periodontitis. <i>Archives of Oral Biology</i> , 2019, 98, 132-139.	0.8	15
39	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. <i>Journal of Clinical Periodontology</i> , 2017, 44, 472-483.	2.3	13
40	Neutrophil elastase aggravates periodontitis by disrupting gingival epithelial barrier via cleaving cell adhesion molecules. <i>Scientific Reports</i> , 2022, 12, 8159.	1.6	11
41	Elevated Antibody Titers to <i>Porphyromonas gingivalis</i> as a Possible Predictor of Ischemic Vascular Disease. <i>Journal of Atherosclerosis and Thrombosis</i> , 2011, 18, 808-817.	0.9	10
42	Clarithromycin Inhibits Pneumolysin Production via Downregulation of <i>ply</i> Gene Transcription despite Autolysis Activation. <i>Microbiology Spectrum</i> , 2021, 9, e0031821.	1.2	10
43	Proteolytic cleavage of HLA class II by human neutrophil elastase in pneumococcal pneumonia. <i>Scientific Reports</i> , 2021, 11, 2432.	1.6	10
44	Analysis of Experimental Ligature-Induced Periodontitis Model in Mice. <i>Methods in Molecular Biology</i> , 2021, 2210, 237-250.	0.4	10
45	Effects of Erythromycin on Osteoclasts and Bone Resorption via DEL-1 Induction in Mice. <i>Antibiotics</i> , 2021, 10, 312.	1.5	9
46	Treatment of severe pneumonia by hinokitiol in a murine antimicrobial-resistant pneumococcal pneumonia model. <i>PLoS ONE</i> , 2020, 15, e0240329.	1.1	9
47	<i>Streptococcus pyogenes</i> Phospholipase A2 Induces the Expression of Adhesion Molecules on Human Umbilical Vein Endothelial Cells and Aorta of Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 300.	1.8	8
48	An ENU-induced splice site mutation of mouse <i>Colla1</i> causing recessive osteogenesis imperfecta and revealing a novel splicing rescue. <i>Scientific Reports</i> , 2017, 7, 11717.	1.6	7
49	Sulfated vizantin induces formation of macrophage extracellular traps. <i>Microbiology and Immunology</i> , 2018, 62, 310-316.	0.7	7
50	Laminin Isoforms in Human Dental Pulp: Lymphatic Vessels Express Laminin-332, and Schwann Cell-Associated Laminin-211 Modulates CD163 Expression of M2-like Macrophages. <i>ImmunoHorizons</i> , 2021, 5, 1008-1020.	0.8	3
51	Sulfated vizantin inhibits biofilm maturation by <i>Streptococcus mutans</i> . <i>Microbiology and Immunology</i> , 2020, 64, 493-501.	0.7	2
52	Complement C3 as a Target of Host Modulation in Periodontitis. , 2020, , 13-29.		1
53	Matcha Green Tea Exhibits Bactericidal Activity against <i>Streptococcus pneumoniae</i> and Inhibits Functional Pneumolysin. <i>Antibiotics</i> , 2021, 10, 1550.	1.5	1
54	Basic research on the potential therapeutic effect of endogenous anti-inflammatory molecule DEL-1 on periodontal disease. <i>Journal of Japanese Society of Periodontology</i> , 2021, 63, 97-104.	0.1	0

#	ARTICLE	IF	CITATIONS
55	What Are the Characteristics of a Good Research for Young Researcher?. Trends in the Sciences, 2018, 23, 12_72-12_73.	0.0	0