

Koichi Tabeta

List of Publications by Year in descending order

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83
papers

5,982
citations

159358

30
h-index

71532

76
g-index

83
all docs

83
docs citations

83
times ranked

7228
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Lps2 as a key transducer of MyD88-independent TIR signalling. <i>Nature</i> , 2003, 424, 743-748.	13.7	1,138
2	Toll-like receptors 9 and 3 as essential components of innate immune defense against mouse cytomegalovirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3516-3521.	3.3	837
3	The Unc93b1 mutation 3d disrupts exogenous antigen presentation and signaling via Toll-like receptors 3, 7 and 9. <i>Nature Immunology</i> , 2006, 7, 156-164.	7.0	714
4	Herpes Simplex Virus Encephalitis in Human UNC-93B Deficiency. <i>Science</i> , 2006, 314, 308-312.	6.0	674
5	Unc93B1 biases Toll-like receptor responses to nucleic acid in dendritic cells toward DNA- but against RNA-sensing. <i>Journal of Experimental Medicine</i> , 2009, 206, 1339-1350.	4.2	285
6	Toll-Like Receptors Confer Responsiveness to Lipopolysaccharide from <i>Porphyromonas gingivalis</i> in Human Gingival Fibroblasts. <i>Infection and Immunity</i> , 2000, 68, 3731-3735.	1.0	135
7	Periodontitis-associated up-regulation of systemic inflammatory mediator level may increase the risk of coronary heart disease. <i>Journal of Periodontal Research</i> , 2010, 45, 116-122.	1.4	128
8	Elevated humoral immune response to heat shock protein 60 (hsp60) family in periodontitis patients. <i>Clinical and Experimental Immunology</i> , 2000, 120, 285-293.	1.1	123
9	Chronic Oral Infection with <i>Porphyromonas gingivalis</i> Accelerates Atheroma Formation by Shifting the Lipid Profile. <i>PLoS ONE</i> , 2011, 6, e20240.	1.1	111
10	Efficient T Cell Activation via a Toll-Interleukin 1 Receptor-Independent Pathway. <i>Immunity</i> , 2006, 24, 787-799.	6.6	91
11	Accumulation of Human Heat Shock Protein 60-Reactive T Cells in the Gingival Tissues of Periodontitis Patients. <i>Infection and Immunity</i> , 2002, 70, 2492-2501.	1.0	89
12	Interleukin-10 gene promoter polymorphism in Japanese patients with adult and early-onset periodontitis. <i>Journal of Clinical Periodontology</i> , 2001, 28, 828-832.	2.3	80
13	Self-heat shock protein 60 induces tumour necrosis factor- α in monocyte-derived macrophage: possible role in chronic inflammatory periodontal disease. <i>Clinical and Experimental Immunology</i> , 2002, 127, 72-77.	1.1	79
14	Velvet, a Dominant Egfr Mutation That Causes Wavy Hair and Defective Eyelid Development in Mice. <i>Genetics</i> , 2004, 166, 331-340.	1.2	63
15	Elevated expression of IL-17 and IL-12 genes in chronic inflammatory periodontal disease. <i>Clinica Chimica Acta</i> , 2008, 395, 137-141.	0.5	60
16	T-cell clonality to <i>Porphyromonas gingivalis</i> and human heat shock protein 60s in patients with atherosclerosis and periodontitis. <i>Oral Microbiology and Immunology</i> , 2004, 19, 160-167.	2.8	57
17	Quantitative messenger RNA expression of Toll-like receptors and interferon- γ 1 in gingivitis and periodontitis. <i>Oral Microbiology and Immunology</i> , 2007, 22, 398-402.	2.8	57
18	TLR Signaling Pathways: Opportunities for Activation and Blockade in Pursuit of Therapy. <i>Current Pharmaceutical Design</i> , 2006, 12, 4123-4134.	0.9	56

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19	An essential role for R α 1 β in the development of Th2 responses. <i>European Journal of Immunology</i> , 2005, 35, 3414-3423.	1.6	54
20	Analysis of Single Nucleotide Polymorphisms in the 5' Flanking Region of Tumor Necrosis Factor-Alpha Gene in Japanese Patients With Early-Onset Periodontitis. <i>Journal of Periodontology</i> , 2001, 72, 1554-1559.	1.7	51
21	Neuronal TRPV1 activation regulates alveolar bone resorption by suppressing osteoclastogenesis via CGRP. <i>Scientific Reports</i> , 2016, 6, 29294.	1.6	51
22	Up-regulation of the endoplasmic reticulum stress-response in periodontal disease. <i>Clinica Chimica Acta</i> , 2009, 401, 134-140.	0.5	49
23	Profiling biomarkers in gingival crevicular fluid using multiplex bead immunoassay. <i>Archives of Oral Biology</i> , 2013, 58, 724-730.	0.8	47
24	ENU-induced phenovariance in mice: inferences from 587 mutations. <i>BMC Research Notes</i> , 2012, 5, 577.	0.6	46
25	Attenuated Activation of Macrophage TLR9 by DNA from Virulent Mycobacteria. <i>Journal of Innate Immunity</i> , 2009, 1, 29-45.	1.8	44
26	A bacterial metabolite ameliorates periodontal pathogen-induced gingival epithelial barrier disruption via GPR40 signaling. <i>Scientific Reports</i> , 2018, 8, 9008.	1.6	42
27	Single-nucleotide Polymorphism in the CD14 Promoter and Periodontal Disease Expression in a Japanese Population. <i>Journal of Dental Research</i> , 2003, 82, 612-616.	2.5	39
28	Ingestion of <i>Porphyromonas gingivalis</i> exacerbates colitis via intestinal epithelial barrier disruption in mice. <i>Journal of Periodontal Research</i> , 2021, 56, 275-288.	1.4	37
29	Genetic Analysis of Innate Immunity: Identification and Function of the TIR Adapter Proteins. , 2005, 560, 29-39.		34
30	Gingival epithelial barrier: regulation by beneficial and harmful microbes. <i>Tissue Barriers</i> , 2019, 7, e1651158.	1.6	34
31	Increased serum PCSK9 concentrations are associated with periodontal infection but do not correlate with LDL cholesterol concentration. <i>Clinica Chimica Acta</i> , 2012, 413, 154-159.	0.5	32
32	Genetic Analysis of Innate Immunity. <i>Advances in Immunology</i> , 2006, 91, 175-226.	1.1	31
33	Genetic analysis of innate immunity: TIR adapter proteins in innate and adaptive immune responses. <i>Microbes and Infection</i> , 2004, 6, 1374-1381.	1.0	26
34	Oral infection with <i>Porphyromonas gingivalis</i> and systemic cytokine profile in C57BL/6.KOR ^{Apoe} mice. <i>Journal of Periodontal Research</i> , 2012, 47, 402-408.	1.4	26
35	<i>Porphyromonas gingivalis</i> ; Antigen 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
36	Effect of <i>Porphyromonas gingivalis</i> infection on post-transcriptional regulation of the low-density lipoprotein receptor in mice. <i>Lipids in Health and Disease</i> , 2012, 11, 121.	1.2	24

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37	Resveratrol suppresses the inflammatory responses of human gingival epithelial cells in a <sc>SIRT</sc>1 independent manner. Journal of Periodontal Research, 2015, 50, 586-593.	1.4	24
38	Pneumococcal DNA-binding proteins released through autolysis induce the production of proinflammatory cytokines via toll-like receptor 4. Cellular Immunology, 2018, 325, 14-22.	1.4	23
39	Increased expression of C-reactive protein gene in inflamed gingival tissues could be derived from endothelial cells stimulated with interleukin-6. Archives of Oral Biology, 2011, 56, 1312-1318.	0.8	22
40	Point mutations in the melanocortin-4 receptor cause variable obesity in mice. Mammalian Genome, 2006, 17, 1162-1171.	1.0	21
41	Interleukin-1 receptor-associated kinase-M in gingival epithelial cells attenuates the inflammatory response elicited by <i>Porphyromonas gingivalis</i>. Journal of Periodontal Research, 2010, 45, 512-9.	1.4	21
42	Analysis of immunostimulatory activity of Porphyromonas gingivalis fimbriae conferred by Toll-like receptor 2. Biochemical and Biophysical Research Communications, 2010, 398, 86-91.	1.0	21
43	M2 Phenotype Macrophages Colocalize with Schwann Cells in Human Dental Pulp. Journal of Dental Research, 2020, 99, 329-338.	2.5	21
44	Erythromycin inhibits neutrophilic inflammation and mucosal disease by upregulating DEL-1. JCI Insight, 2020, 5, .	2.3	20
45	Selective expansion of T cells in gingival lesions of patients with chronic inflammatory periodontal disease. Clinical and Experimental Immunology, 2000, 120, 154-161.	1.1	18
46	Lps2and Signal Transduction in Sepsis: At the Intersection of Host Responses to Bacteria and Viruses. Scandinavian Journal of Infectious Diseases, 2003, 35, 563-567.	1.5	18
47	Effect of interleukin-17 on the expression of chemokines in gingival epithelial cells. European Journal of Oral Sciences, 2011, 119, 339-344.	0.7	18
48	Relationship between serum antibody titres to Porphyromonas gingivalis and hs-CRP levels as inflammatory markers of periodontitis. Archives of Oral Biology, 2012, 57, 820-829.	0.8	17
49	Age-related alterations in gene expression of gingival fibroblasts stimulated with <i>P</i>orphyromonas gingivalis</i>. Journal of Periodontal Research, 2014, 49, 536-543.	1.4	17
50	Characterization of serum antibody to Actinobacillus actinomycetemcomitans GroEL-like protein in periodontitis patients and healthy subjects. Oral Microbiology and Immunology, 2001, 16, 290-295.	2.8	16
51	Antimicrobial function of the polyunsaturated fatty acid KetoC in an experimental model of periodontitis. Journal of Periodontology, 2019, 90, 1470-1480.	1.7	15
52	Peptides from rice endosperm protein restrain periodontal bone loss in mouse model of periodontitis. Archives of Oral Biology, 2019, 98, 132-139.	0.8	15
53	Natural killer <sc>T</sc> cells mediate alveolar bone resorption and a systemic inflammatory response in response to oral infection of mice with <i>P</i>orphyromonas gingivalis</i>. Journal of Periodontal Research, 2014, 49, 69-76.	1.4	14
54	Epithelial TRPV1 Signaling Accelerates Gingival Epithelial Cell Proliferation. Journal of Dental Research, 2014, 93, 1141-1147.	2.5	14

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55	Current evidence and biological plausibility linking periodontitis to atherosclerotic cardiovascular disease. <i>Japanese Dental Science Review</i> , 2014, 50, 55-62.	2.0	14
56	Increased serum PCSK9, a potential biomarker to screen for periodontitis, and decreased total bilirubin associated with probing depth in a Japanese community survey. <i>Journal of Periodontal Research</i> , 2018, 53, 446-456.	1.4	14
57	Microbiological and Clinical Effects of Sitaflaxacin and Azithromycin in Periodontitis Patients Receiving Supportive Periodontal Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1779-1787.	1.4	13
58	Mutual inhibition between Prkd2 and Bcl6 controls T follicular helper cell differentiation. <i>Science Immunology</i> , 2020, 5, .	5.6	12
59	Elevated Antibody Titers to Porphyromonas gingivalis as a Possible Predictor of Ischemic Vascular Disease. <i>Journal of Atherosclerosis and Thrombosis</i> , 2011, 18, 808-817.	0.9	10
60	Useful Immunochromatographic Assay of Calprotectin in Gingival Crevicular Fluid for Diagnosis of Diseased Sites in Patients with Periodontal Diseases. <i>Journal of Periodontology</i> , 2017, 89, 1-19.	1.7	10
61	The periodontal inflamed surface area is associated with the clinical response to biological disease-modifying antirheumatic drugs in rheumatoid arthritis: a retrospective study. <i>Modern Rheumatology</i> , 2020, 30, 990-996.	0.9	10
62	Bmp signaling in molar cusp formation. <i>Gene Expression Patterns</i> , 2019, 32, 67-71.	0.3	9
63	Noninvasive measurement of cell/colony motion using image analysis methods to evaluate the proliferative capacity of oral keratinocytes as a tool for quality control in regenerative medicine. <i>Journal of Tissue Engineering</i> , 2019, 10, 204173141988152.	2.3	8
64	A peptide derived from rice inhibits alveolar bone resorption via suppression of inflammatory cytokine production. <i>Journal of Periodontology</i> , 2019, 90, 1160-1169.	1.7	8
65	The relationship between dental metal allergy, periodontitis, and palmoplantar pustulosis: An observational study. <i>Journal of Prosthodontic Research</i> , 2022, 66, 438-444.	1.1	8
66	A Deep Intronic Mutation in the Ankyrin-1 Gene Causes Diminished Protein Expression Resulting in Hemolytic Anemia in Mice. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1687-1695.	0.8	7
67	An ENU-induced splice site mutation of mouse Col1a1 causing recessive osteogenesis imperfecta and revealing a novel splicing rescue. <i>Scientific Reports</i> , 2017, 7, 11717.	1.6	7
68	α_2 -Microglobulin and Neutrophil Gelatinase-Associated Lipocalin, Potential Novel Urine Biomarkers in Periodontitis: A Cross-Sectional Study in Japanese. <i>International Journal of Dentistry</i> , 2019, 2019, 1-10.	0.5	7
69	Rice peptide with amino acid substitution inhibits biofilm formation by Porphyromonas gingivalis and Fusobacterium nucleatum. <i>Archives of Oral Biology</i> , 2021, 121, 104956.	0.8	7
70	Association among periodontitis severity, anti- α -galactosyl immunoglobulin G titer, and the disease activity of rheumatoid arthritis. <i>Journal of Periodontal Research</i> , 2021, 56, 702-709.	1.4	7
71	Assessment of Chromosome 19 for Genetic Association in Severe Chronic Periodontitis. <i>Journal of Periodontology</i> , 2009, 80, 663-671.	1.7	6
72	Cells/colony motion of oral keratinocytes determined by non-invasive and quantitative measurement using optical flow predicts epithelial regenerative capacity. <i>Scientific Reports</i> , 2021, 11, 10403.	1.6	6

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73	Epithelial TRPV1 channels: Expression, function, and pathogenicity in the oral cavity. <i>Journal of Oral Biosciences</i> , 2020, 62, 235-241.	0.8	5
74	Indirect regulation of PCSK9 gene in inflammatory response by <i>Porphyromonas gingivalis</i> infection. <i>Heliyon</i> , 2019, 5, e01111.	1.4	3
75	Association between serum IgG antibody titers against <i>Porphyromonas gingivalis</i> and liver enzyme levels: A cross-sectional study in Sado Island. <i>Heliyon</i> , 2020, 6, e05531.	1.4	3
76	Analysis of Immune Responses to Purified Recombinant Antigens of Periodontal Pathogens. <i>Methods in Molecular Biology</i> , 2010, 666, 345-357.	0.4	2
77	Pinkie, the First Viable Germline Hypomorph Allele of Retinoid X Receptor Alpha, Reveals an Important Role for RXRa in Th2 Development.. <i>Blood</i> , 2004, 104, 313-313.	0.6	2
78	Characteristics of Aerosols Generated from an Ultrasonic Scaling Device and Prevention of Diffusion by Intra- and Extraoral Suction Devices. <i>Journal of Japanese Society of Periodontology</i> , 2021, 63, 171-182.	0.1	1
79	Unc93 homolog B1 regulates the balance of toll-like receptor 7 and toll-like receptor 9 responses reciprocally in dendritic cells. <i>Cytokine</i> , 2009, 48, 26.	1.4	0
80	Respond to "No antigen-presentation defect in Unc93b13d/3d (3d) mice". <i>Nature Immunology</i> , 2013, 14, 1102-1103.	7.0	0
81	Nutritional Supplements and Periodontal Disease Prevention—Current Understanding. <i>Current Oral Health Reports</i> , 2020, 7, 154-164.	0.5	0
82	The possible mechanism of gastrointestinal cancer development and progression by periodontopathogenic bacteria. <i>Journal of Japanese Society of Periodontology</i> , 2021, 63, 151-157.	0.1	0
83	3D, a Novel Mutation That Confers Defective Sensing by Toll-Like Receptors 3, 7 and 9.. <i>Blood</i> , 2004, 104, 3441-3441.	0.6	0