

Koichi Tabeta

List of Publications by Year in descending order

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83
papers

5,982
citations

159585
30
h-index

71685
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. Nature, 2003, 424, 743-748. | 27.8 | 1,138 |
| 2 | Toll-like receptors 9 and 3 as essential components of innate immune defense against mouse cytomegalovirus infection. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3516-3521. | 7.1 | 837 |
| 3 | The Unc93b1 mutation 3d disrupts exogenous antigen presentation and signaling via Toll-like receptors 3, 7 and 9. Nature Immunology, 2006, 7, 156-164. | 14.5 | 714 |
| 4 | Herpes Simplex Virus Encephalitis in Human UNC-93B Deficiency. Science, 2006, 314, 308-312. | 12.6 | 674 |
| 5 | Unc93B1 biases Toll-like receptor responses to nucleic acid in dendritic cells toward DNA- but against RNA-sensing. Journal of Experimental Medicine, 2009, 206, 1339-1350. | 8.5 | 285 |
| 6 | Toll-Like Receptors Confer Responsiveness to Lipopolysaccharide from Porphyromonas gingivalis in Human Gingival Fibroblasts. Infection and Immunity, 2000, 68, 3731-3735. | 2.2 | 135 |
| 7 | 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. | 2.7 | 128 |
| 8 | Elevated humoral immune response to heat shock protein 60 (hsp60) family in periodontitis patients. Clinical and Experimental Immunology, 2000, 120, 285-293. | 2.6 | 123 |
| 9 | Chronic Oral Infection with Porphyromonas gingivalis Accelerates Atheroma Formation by Shifting the Lipid Profile. PLoS ONE, 2011, 6, e20240. | 2.5 | 111 |
| 10 | Efficient T Cell Activation via a Toll-Interleukin 1 Receptor-Independent Pathway. Immunity, 2006, 24, 787-799. | 14.3 | 91 |
| 11 | Accumulation of Human Heat Shock Protein 60-Reactive T Cells in the Gingival Tissues of Periodontitis Patients. Infection and Immunity, 2002, 70, 2492-2501. | 2.2 | 89 |
| 12 | Interleukin-10 gene promoter polymorphism in Japanese patients with adult and early-onset periodontitis. Journal of Clinical Periodontology, 2001, 28, 828-832. | 4.9 | 80 |
| 13 | Self-heat shock protein 60 induces tumour necrosis factor- α in monocyte-derived macrophage: possible role in chronic inflammatory periodontal disease. Clinical and Experimental Immunology, 2002, 127, 72-77. | 2.6 | 79 |
| 14 | Velvet, a Dominant Egfr Mutation That Causes Wavy Hair and Defective Eyelid Development in Mice. Genetics, 2004, 166, 331-340. | 2.9 | 63 |
| 15 | Elevated expression of IL-17 and IL-12 genes in chronic inflammatory periodontal disease. Clinica Chimica Acta, 2008, 395, 137-141. | 1.1 | 60 |
| 16 | T-cell clonality to <i>Porphyromonas gingivalis</i> and human heat shock protein 60s in patients with atherosclerosis and periodontitis. Oral Microbiology and Immunology, 2004, 19, 160-167. | 2.8 | 57 |
| 17 | Quantitative messenger RNA expression of Toll-like receptors and interferon- γ 1 in gingivitis and periodontitis. Oral Microbiology and Immunology, 2007, 22, 398-402. | 2.8 | 57 |
| 18 | TLR Signaling Pathways: Opportunities for Activation and Blockade in Pursuit of Therapy. Current Pharmaceutical Design, 2006, 12, 4123-4134. | 1.9 | 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. | 2.9 | 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. | 3.4 | 51 |
| 21 | Neuronal TRPV1 activation regulates alveolar bone resorption by suppressing osteoclastogenesis via CGRP. <i>Scientific Reports</i> , 2016, 6, 29294. | 3.3 | 51 |
| 22 | Up-regulation of the endoplasmic reticulum stress-response in periodontal disease. <i>Clinica Chimica Acta</i> , 2009, 401, 134-140. | 1.1 | 49 |
| 23 | Profiling biomarkers in gingival crevicular fluid using multiplex bead immunoassay. <i>Archives of Oral Biology</i> , 2013, 58, 724-730. | 1.8 | 47 |
| 24 | ENU-induced phenovariance in mice: inferences from 587 mutations. <i>BMC Research Notes</i> , 2012, 5, 577. | 1.4 | 46 |
| 25 | Attenuated Activation of Macrophage TLR9 by DNA from Virulent Mycobacteria. <i>Journal of Innate Immunity</i> , 2009, 1, 29-45. | 3.8 | 44 |
| 26 | A bacterial metabolite ameliorates periodontal pathogen-induced gingival epithelial barrier disruption via GPR40 signaling. <i>Scientific Reports</i> , 2018, 8, 9008. | 3.3 | 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. | 5.2 | 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. | 2.7 | 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. | 3.2 | 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. | 1.1 | 32 |
| 32 | Genetic Analysis of Innate Immunity. <i>Advances in Immunology</i> , 2006, 91, 175-226. | 2.2 | 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. | 1.9 | 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. | 2.7 | 26 |
| 35 | <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. | 1.4 | 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. | 3.0 | 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. | 2.7 | 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. | 3.0 | 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. | 1.8 | 22 |
| 40 | Point mutations in the melanocortin-4 receptor cause variable obesity in mice. Mammalian Genome, 2006, 17, 1162-1171. | 2.2 | 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. | 2.7 | 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. | 2.1 | 21 |
| 43 | M2 Phenotype Macrophages Colocalize with Schwann Cells in Human Dental Pulp. Journal of Dental Research, 2020, 99, 329-338. | 5.2 | 21 |
| 44 | Erythromycin inhibits neutrophilic inflammation and mucosal disease by upregulating DEL-1. JCI Insight, 2020, 5, . | 5.0 | 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. | 2.6 | 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. | 1.5 | 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. | 1.8 | 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. | 2.7 | 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. | 3.4 | 15 |
| 52 | Peptides from rice endosperm protein restrain periodontal bone loss in mouse model of periodontitis. Archives of Oral Biology, 2019, 98, 132-139. | 1.8 | 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. | 2.7 | 14 |
| 54 | Epithelial TRPV1 Signaling Accelerates Gingival Epithelial Cell Proliferation. Journal of Dental Research, 2014, 93, 1141-1147. | 5.2 | 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. | 5.1 | 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. | 2.7 | 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. | 3.2 | 13 |
| 58 | Mutual inhibition between Prkd2 and Bcl6 controls T follicular helper cell differentiation. <i>Science Immunology</i> , 2020, 5, . | 11.9 | 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. | 2.0 | 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. | 3.4 | 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. | 1.8 | 10 |
| 62 | Bmp signaling in molar cusp formation. <i>Gene Expression Patterns</i> , 2019, 32, 67-71. | 0.8 | 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. | 5.5 | 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. | 3.4 | 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. | 2.8 | 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. | 1.8 | 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. | 3.3 | 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. | 1.5 | 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. | 1.8 | 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. | 2.7 | 7 |
| 71 | Assessment of Chromosome 19 for Genetic Association in Severe Chronic Periodontitis. <i>Journal of Periodontology</i> , 2009, 80, 663-671. | 3.4 | 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. | 3.3 | 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. | 2.2 | 5 |
| 74 | Indirect regulation of PCSK9 gene in inflammatory response by <i>Porphyromonas gingivalis</i> infection. <i>Heliyon</i> , 2019, 5, e01111. | 3.2 | 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. | 3.2 | 3 |
| 76 | Analysis of Immune Responses to Purified Recombinant Antigens of Periodontal Pathogens. <i>Methods in Molecular Biology</i> , 2010, 666, 345-357. | 0.9 | 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. | 1.4 | 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. | 3.2 | 0 |
| 80 | Respond to "No antigen-presentation defect in Unc93b13d/3d (3d) mice". <i>Nature Immunology</i> , 2013, 14, 1102-1103. | 14.5 | 0 |
| 81 | Nutritional Supplements and Periodontal Disease Prevention—Current Understanding. <i>Current Oral Health Reports</i> , 2020, 7, 154-164. | 1.6 | 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. | 1.4 | 0 |