

# J Christopher Fenno

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,964  
citations

236925

25  
h-index

265206

42  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1990  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Association between peri-implantitis and cardiovascular diseases: A case-control study. <i>Journal of Periodontology</i> , 2022, 93, 633-643.   | 3.4  | 7         |
| 2  | Intracerebral but Not Peripheral Infection of Live <i>Porphyromonas gingivalis</i> Exacerbates Alzheimer's Disease Like Amyloid Pathology in APP-TgCRND8 Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3328. | 4.1  | 8         |
| 3  | Approaches to Understanding Mechanisms of Dentilisin Protease Complex Expression in <i>Treponema denticola</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 668287.  | 3.9  | 4         |
| 4  | <i>Treponema denticola</i> -Induced RASA4 Upregulation Mediates Cytoskeletal Dysfunction and MMP-2 Activity in Periodontal Fibroblasts. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 671968.                 | 3.9  | 7         |
| 5  | <i>Treponema denticola</i> dentilisin triggered TLR2/MyD88 activation upregulates a tissue destructive program involving MMPs via Sp1 in human oral cells. <i>PLoS Pathogens</i> , 2021, 17, e1009311.                              | 4.7  | 12        |
| 6  | Association between metabolic syndrome and periodontitis: The role of lipids, inflammatory cytokines, altered host response, and the microbiome. <i>Periodontology 2000</i> , 2021, 87, 50-75.                                      | 13.4 | 76        |
| 7  | Personalized and Defect-Specific Antibiotic-Laden Scaffolds for Periodontal Infection Ablation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49642-49657.  | 8.0  | 15        |
| 8  | Periodontal pathogens promote cancer aggressivity via TLR/MyD88 triggered activation of Integrin/FAK signaling that is therapeutically reversible by a probiotic bacteriocin. <i>PLoS Pathogens</i> , 2020, 16, e1008881.           | 4.7  | 55        |
| 9  | Hybrid Antimicrobial Hydrogel as Injectable Therapeutics for Oral Infection Ablation. <i>Biomacromolecules</i> , 2020, 21, 3945-3956.   | 5.4  | 49        |
| 10 | Roles of TroA and TroR in Metalloregulated Growth and Gene Expression in <i>Treponema denticola</i> . <i>Journal of Bacteriology</i> , 2020, 202, .   | 2.2  | 9         |
| 11 | Injectable MMP-Responsive Nanotube-Modified Gelatin Hydrogel for Dental Infection Ablation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16006-16017.  | 8.0  | 69        |
| 12 | Immunotopological Analysis of the <i>Treponema denticola</i> Major Surface Protein (Msp). <i>Journal of Bacteriology</i> , 2019, 201, .   | 2.2  | 7         |
| 13 | Increased Variance in Oral and Gastric Microbiome Correlates With Esophagectomy Anastomotic Leak. <i>Annals of Thoracic Surgery</i> , 2018, 105, 865-870.   | 1.3  | 29        |
| 14 | Bactericidal and Bioactive Dental Composites. <i>Frontiers in Physiology</i> , 2018, 9, 103.  | 2.8  | 28        |
| 15 | <i>Treponema denticola</i> increases MMP-2 expression and activation in the periodontium via reversible DNA and histone modifications. <i>Cellular Microbiology</i> , 2018, 20, e12815.   | 2.1  | 20        |
| 16 | Activation of the Innate Immune System by <i>Treponema denticola</i> Periplasmic Flagella through Toll-Like Receptor 2. <i>Infection and Immunity</i> , 2018, 86, .   | 2.2  | 13        |
| 17 | High-purity Nisin Alone or in Combination with Sodium Hypochlorite Is Effective against Planktonic and Biofilm Populations of <i>Enterococcus faecalis</i> . <i>Journal of Endodontics</i> , 2017, 43, 989-994.                     | 3.1  | 29        |
| 18 | 1,2-Diacylglycerol choline phosphotransferase catalyzes the final step in the unique <i>Treponema denticola</i> phosphatidylcholine biosynthesis pathway. <i>Molecular Microbiology</i> , 2017, 103, 896-912.                       | 2.5  | 8         |

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|----|---|-----|-----------|
| 19 | Microbial Communities Associated with Primary and Metastatic Head and Neck Squamous Cell Carcinoma – A High Fusobacterial and Low Streptococcal Signature. <i>Scientific Reports</i> , 2017, 7, 9934.                         | 3.3 | 70        |
| 20 | Metabolomics of Head and Neck Cancer: A Mini-Review. <i>Frontiers in Physiology</i> , 2016, 7, 526.   | 2.8 | 38        |
| 21 | Collagen/fibrin microbeads as a delivery system for Ag-doped bioactive glass and DPSCs for potential applications in dentistry. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 143-149.                                | 3.1 | 22        |
| 22 | Antimicrobial nisin acts against saliva derived multi-species biofilms without cytotoxicity to human oral cells. <i>Frontiers in Microbiology</i> , 2015, 6, 617.   | 3.5 | 95        |
| 23 | Designing dental composites with bioactive and bactericidal properties. <i>Materials Science and Engineering C</i> , 2015, 52, 267-272.   | 7.3 | 61        |
| 24 | A Modified Shuttle Plasmid Facilitates Expression of a Flavin Mononucleotide-Based Fluorescent Protein in <i>Treponema denticola</i> ATCC 35405. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6496-6504.         | 3.1 | 14        |
| 25 | Fabrication and characterization of bioactive and antibacterial composites for dental applications. <i>Acta Biomaterialia</i> , 2014, 10, 3723-3732.  | 8.3 | 92        |
| 26 | <i>Treponema denticola</i> upregulates MMP-2 activation in periodontal ligament cells: Interplay between epigenetics and periodontal infection. <i>Archives of Oral Biology</i> , 2014, 59, 1056-1064.                        | 1.8 | 22        |
| 27 | Development of a Modified Gentamicin Resistance Cassette for Genetic Manipulation of the Oral Spirochete <i>Treponema denticola</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2059-2062.                    | 3.1 | 23        |
| 28 | <i>Treponema denticola</i> interactions with host proteins. <i>Journal of Oral Microbiology</i> , 2012, 4, 9929.  | 2.7 | 38        |
| 29 | <i>Treponema denticola</i> chymotrypsin-like proteinase (CTLP) integrates spirochaetes within oral microbial communities. <i>Microbiology (United Kingdom)</i> , 2012, 158, 759-770.  | 1.8 | 30        |
| 30 | The <i>Treponema denticola</i> Chymotrypsin-Like Protease Dentilisin Induces Matrix Metalloproteinase-2-Dependent Fibronectin Fragmentation in Periodontal Ligament Cells. <i>Infection and Immunity</i> , 2011, 79, 806-811. | 2.2 | 25        |
| 31 | Composition and Localization of <i>Treponema denticola</i> Outer Membrane Complexes. <i>Infection and Immunity</i> , 2011, 79, 4868-4875.   | 2.2 | 21        |
| 32 | <i>Treponema denticola</i> PrcB Is Required for Expression and Activity of the PrcA-PrtP (Dentilisin) Complex. <i>Journal of Bacteriology</i> , 2010, 192, 3337-3344.   | 2.2 | 25        |
| 33 | A simplified erythromycin resistance cassette for <i>Treponema denticola</i> mutagenesis. <i>Journal of Microbiological Methods</i> , 2010, 83, 66-68.  | 1.6 | 22        |
| 34 | Analysis of a Unique Interaction between the Complement Regulatory Protein Factor H and the Periodontal Pathogen <i>Treponema denticola</i> . <i>Infection and Immunity</i> , 2009, 77, 1417-1425.                            | 2.2 | 58        |
| 35 | <i>Treponema denticola</i> TroR is a manganese- and iron-dependent transcriptional repressor. <i>Molecular Microbiology</i> , 2008, 70, 396-409.  | 2.5 | 20        |
| 36 | The Chymotrypsin-Like Protease Complex of <i>Treponema denticola</i> ATCC 35405 Mediates Fibrinogen Adherence and Degradation. <i>Infection and Immunity</i> , 2007, 75, 4364-4372.   | 2.2 | 54        |

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|----|--|-----|-----------|
| 37 | Characterization of <i>Treponema denticola</i> pyrF encoding orotidine-5- $\alpha$ -monophosphate decarboxylase. FEMS Microbiology Letters, 2007, 268, 261-267.                            | 1.8 | 15        |
| 38 | Laboratory Maintenance of <i>Treponema denticola</i> . , 2005, Chapter 12, Unit 12B.1.   |     | 29        |
| 39 | Mutagenesis of a Novel Gene in the prcA-prtP Protease Locus Affects Expression of <i>Treponema denticola</i> Membrane Complexes. Infection and Immunity, 2005, 73, 1252-1255.              | 2.2 | 30        |
| 40 | Clinical Response of Azithromycin as an Adjunct to Non-Surgical Periodontal Therapy in Smokers. Journal of Periodontology, 2005, 76, 426-436.  | 3.4 | 98        |
| 41 | Expression of <i>Treponema denticola</i> Oligopeptidase B in <i>Escherichia coli</i> . Current Microbiology, 2004, 48, 379-382.  | 2.2 | 7         |
| 42 | A CDP-choline pathway for phosphatidylcholine biosynthesis in <i>Treponema denticola</i> . Molecular Microbiology, 2004, 51, 471-481.  | 2.5 | 36        |
| 43 | The Effects of Chlorhexidine Gluconate (0.12%) on the Antimicrobial Properties of Tooth-Colored ProRoot Mineral Trioxide Aggregate. Journal of Endodontics, 2004, 30, 429-431.             | 3.1 | 107       |
| 44 | Construction and characterization of a <i>Porphyromonas gingivalis</i> htpG disruption mutant. FEMS Microbiology Letters, 2003, 225, 101-106.  | 1.8 | 14        |
| 45 | Cleavage of <i>Treponema denticola</i> PrcA Polypeptide To Yield Protease Complex-Associated Proteins PrcA1 and PrcA2 Is Dependent on PrtP. Journal of Bacteriology, 2002, 184, 3864-3870. | 2.2 | 32        |
| 46 | 23S rRNA point mutation associated with erythromycin resistance in <i>Treponema denticola</i> . FEMS Microbiology Letters, 2002, 207, 39-42.   | 1.8 | 20        |
| 47 | The opdB Locus Encodes the Trypsin-Like Peptidase Activity of <i>Treponema denticola</i> . Infection and Immunity, 2001, 69, 6193-6200.  | 2.2 | 52        |
| 48 | Characterization of Heat-Inducible Expression and Cloning of HtpG (Hsp90 Homologue) of <i>Porphyromonas gingivalis</i> . Infection and Immunity, 2000, 68, 1980-1987.                      | 2.2 | 25        |
| 49 | Identification of a <i>Treponema denticola</i> OppA Homologue That Binds Host Proteins Present in the Subgingival Environment. Infection and Immunity, 2000, 68, 1884-1892.                | 2.2 | 87        |
| 50 | Cytopathic Effects of the Major Surface Protein and the Chymotrypsinlike Protease of <i>Treponema denticola</i> . Infection and Immunity, 1998, 66, 1869-1877.                             | 2.2 | 114       |
| 51 | The <i>fimA</i> locus of <i>Streptococcus parasanguis</i> encodes an ATP-binding membrane transport system. Molecular Microbiology, 1995, 15, 849-863.                                     | 2.5 | 114       |