

# J Christopher Fenno

## List of Publications by Year in descending order

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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	The <i>fimA</i> locus of <i>Streptococcus parasanguis</i> encodes an ATP-binding membrane transport system. <i>Molecular Microbiology</i> , 1995, 15, 849-863.	2.5	114
2	Cytopathic Effects of the Major Surface Protein and the Chymotrypsinlike Protease of <i>Treponema denticola</i> . <i>Infection and Immunity</i> , 1998, 66, 1869-1877.	2.2	114
3	The Effects of Chlorhexidine Gluconate (0.12%) on the Antimicrobial Properties of Tooth-Colored ProRoot Mineral Trioxide Aggregate. <i>Journal of Endodontics</i> , 2004, 30, 429-431.	3.1	107
4	Clinical Response of Azithromycin as an Adjunct to Non-Surgical Periodontal Therapy in Smokers. <i>Journal of Periodontology</i> , 2005, 76, 426-436.	3.4	98
5	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
6	Fabrication and characterization of bioactive and antibacterial composites for dental applications. <i>Acta Biomaterialia</i> , 2014, 10, 3723-3732.	8.3	92
7	Identification of a <i>Treponema denticola</i> OppA Homologue That Binds Host Proteins Present in the Subgingival Environment. <i>Infection and Immunity</i> , 2000, 68, 1884-1892.	2.2	87
8	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
9	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
10	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
11	Designing dental composites with bioactive and bactericidal properties. <i>Materials Science and Engineering C</i> , 2015, 52, 267-272.	7.3	61
12	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
13	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
14	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
15	The <i>opdB</i> Locus Encodes the Trypsin-Like Peptidase Activity of <i>Treponema denticola</i> . <i>Infection and Immunity</i> , 2001, 69, 6193-6200.	2.2	52
16	Hybrid Antimicrobial Hydrogel as Injectable Therapeutics for Oral Infection Ablation. <i>Biomacromolecules</i> , 2020, 21, 3945-3956.	5.4	49
17	<i>Treponema denticola</i> interactions with host proteins. <i>Journal of Oral Microbiology</i> , 2012, 4, 9929.	2.7	38
18	Metabolomics of Head and Neck Cancer: A Mini-Review. <i>Frontiers in Physiology</i> , 2016, 7, 526.	2.8	38

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19	A CDP-choline pathway for phosphatidylcholine biosynthesis in <i>Treponema denticola</i> . <i>Molecular Microbiology</i> , 2004, 51, 471-481.	2.5	36
20	Cleavage of <i>Treponema denticola</i> PrcA Polypeptide To Yield Protease Complex-Associated Proteins PrcA1 and PrcA2 Is Dependent on PrtP. <i>Journal of Bacteriology</i> , 2002, 184, 3864-3870.	2.2	32
21	Mutagenesis of a Novel Gene in the prcA-prtP Protease Locus Affects Expression of <i>Treponema denticola</i> Membrane Complexes. <i>Infection and Immunity</i> , 2005, 73, 1252-1255.	2.2	30
22	<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
23	Laboratory Maintenance of <i>Treponema denticola</i> . , 2005, Chapter 12, Unit 12B.1.		29
24	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
25	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
26	Bactericidal and Bioactive Dental Composites. <i>Frontiers in Physiology</i> , 2018, 9, 103.	2.8	28
27	Characterization of Heat-Inducible Expression and Cloning of HtpG (Hsp90 Homologue) of <i>Porphyromonas gingivalis</i> . <i>Infection and Immunity</i> , 2000, 68, 1980-1987.	2.2	25
28	<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
29	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
30	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
31	A simplified erythromycin resistance cassette for <i>Treponema denticola</i> mutagenesis. <i>Journal of Microbiological Methods</i> , 2010, 83, 66-68.	1.6	22
32	<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
33	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
34	Composition and Localization of <i>Treponema denticola</i> Outer Membrane Complexes. <i>Infection and Immunity</i> , 2011, 79, 4868-4875.	2.2	21
35	23S rRNA point mutation associated with erythromycin resistance in <i>Treponema denticola</i> . <i>FEMS Microbiology Letters</i> , 2002, 207, 39-42.	1.8	20
36	<i>Treponema denticola</i> TroR is a manganese- and iron-dependent transcriptional repressor. <i>Molecular Microbiology</i> , 2008, 70, 396-409.	2.5	20

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37	<i>Treponema denticola</i> increases MMP-2 expression and activation in the periodontium via reversible DNA and histone modifications. Cellular Microbiology, 2018, 20, e12815.	2.1	20
38	Characterization of <i>Treponema denticola</i> pyrF encoding orotidine-5'-monophosphate decarboxylase. FEMS Microbiology Letters, 2007, 268, 261-267.	1.8	15
39	Personalized and Defect-Specific Antibiotic-Laden Scaffolds for Periodontal Infection Ablation. ACS Applied Materials & Interfaces, 2021, 13, 49642-49657.	8.0	15
40	Construction and characterization of a <i>Porphyromonas gingivalis</i> htpG disruption mutant. FEMS Microbiology Letters, 2003, 225, 101-106.	1.8	14
41	A Modified Shuttle Plasmid Facilitates Expression of a Flavin Mononucleotide-Based Fluorescent Protein in <i>Treponema denticola</i> ATCC 35405. Applied and Environmental Microbiology, 2015, 81, 6496-6504.	3.1	14
42	Activation of the Innate Immune System by <i>Treponema denticola</i> Periplasmic Flagella through Toll-Like Receptor 2. Infection and Immunity, 2018, 86, .	2.2	13
43	<i>Treponema denticola</i> dentilisin triggered TLR2/MyD88 activation upregulates a tissue destructive program involving MMPs via Sp1 in human oral cells. PLoS Pathogens, 2021, 17, e1009311.	4.7	12
44	Roles of TroA and TroR in Metalloregulated Growth and Gene Expression in <i>Treponema denticola</i> . Journal of Bacteriology, 2020, 202, .	2.2	9
45	1,2-Diacylglycerol choline phosphotransferase catalyzes the final step in the unique <i>Treponema denticola</i> phosphatidylcholine biosynthesis pathway. Molecular Microbiology, 2017, 103, 896-912.	2.5	8
46	Intracerebral but Not Peripheral Infection of Live <i>Porphyromonas gingivalis</i> Exacerbates Alzheimer's Disease Like Amyloid Pathology in APP-TgCRND8 Mice. International Journal of Molecular Sciences, 2022, 23, 3328.	4.1	8
47	Expression of <i>Treponema denticola</i> Oligopeptidase B in <i>Escherichia coli</i> . Current Microbiology, 2004, 48, 379-382.	2.2	7
48	Immunotopological Analysis of the <i>Treponema denticola</i> Major Surface Protein (Msp). Journal of Bacteriology, 2019, 201, .	2.2	7
49	<i>Treponema denticola</i> -Induced RASA4 Upregulation Mediates Cytoskeletal Dysfunction and MMP-2 Activity in Periodontal Fibroblasts. Frontiers in Cellular and Infection Microbiology, 2021, 11, 671968.	3.9	7
50	Association between peri-implantitis and cardiovascular diseases: A case-control study. Journal of Periodontology, 2022, 93, 633-643.	3.4	7
51	Approaches to Understanding Mechanisms of Dentilisin Protease Complex Expression in <i>Treponema denticola</i> . Frontiers in Cellular and Infection Microbiology, 2021, 11, 668287.	3.9	4