

# Yutaka Terao

## List of Publications by Year in descending order

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113  
papers

3,803  
citations

126907

33  
h-index

149698

56  
g-index

117  
all docs

117  
docs citations

117  
times ranked

4358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal commensal microbiota and cytokines regulate Fut2 <sup>+/+</sup> Paneth cells for gut defense. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	26
2	Unique symbiont-derived sphingolipids: Dietary amino acids source branch formation. Cell Host and Microbe, 2022, 30, 3-5.	11.0	0
3	Triosephosphate isomerase of <i>Streptococcus pneumoniae</i> is released extracellularly by autolysis and binds to host plasminogen to promote its activation. FEBS Open Bio, 2022, 12, 1206-1219.	2.3	5
4	Neutrophil elastase aggravates periodontitis by disrupting gingival epithelial barrier via cleaving cell adhesion molecules. Scientific Reports, 2022, 12, 8159.	3.3	11
5	Osteoimmunology in Periodontitis: Local Proteins and Compounds to Alleviate Periodontitis. International Journal of Molecular Sciences, 2022, 23, 5540.	4.1	17
6	Rice peptide with amino acid substitution inhibits biofilm formation by Porphyromonas gingivalis and Fusobacterium nucleatum. Archives of Oral Biology, 2021, 121, 104956.	1.8	7
7	Measurement of the Intestinal pH in Mice under Various Conditions Reveals Alkalinization Induced by Antibiotics. Antibiotics, 2021, 10, 180.	3.7	12
8	Effects of Erythromycin on Osteoclasts and Bone Resorption via DEL-1 Induction in Mice. Antibiotics, 2021, 10, 312.	3.7	9
9	The Role of Neutrophils and Neutrophil Elastase in Pneumococcal Pneumonia. Frontiers in Cellular and Infection Microbiology, 2021, 11, 615959.	3.9	29
10	Clarithromycin Inhibits Pneumolysin Production via Downregulation of ply Gene Transcription despite Autolysis Activation. Microbiology Spectrum, 2021, 9, e0031821.	3.0	10
11	Proteolytic cleavage of HLA class II by human neutrophil elastase in pneumococcal pneumonia. Scientific Reports, 2021, 11, 2432.	3.3	10
12	Analysis of Experimental Ligature-Induced Periodontitis Model in Mice. Methods in Molecular Biology, 2021, 2210, 237-250.	0.9	10
13	Matcha Green Tea Exhibits Bactericidal Activity against Streptococcus pneumoniae and Inhibits Functional Pneumolysin. Antibiotics, 2021, 10, 1550.	3.7	1
14	Effect of a novel glass ionomer cement containing fluoro-zinc-silicate fillers on biofilm formation and dentin ion incorporation. Clinical Oral Investigations, 2020, 24, 963-970.	3.0	19
15	Sulfated vizantin causes detachment of biofilms composed mainly of the genus Streptococcus without affecting bacterial growth and viability. BMC Microbiology, 2020, 20, 361.	3.3	2
16	The Proinflammatory Cytokine IL-36 <sup>13</sup> Is a Global Discriminator of Harmless Microbes and Invasive Pathogens within Epithelial Tissues. Cell Reports, 2020, 33, 108515.	6.4	27
17	Adjunct use of mouth rinses with a sonic toothbrush accelerates the detachment of a Streptococcus mutans biofilm: an in vitro study. BMC Oral Health, 2020, 20, 161.	2.3	2
18	Effects of a sub-minimum inhibitory concentration of chlorhexidine gluconate on the development of <i>in vitro</i> multi-species biofilms. Biofouling, 2020, 36, 146-158.	2.2	6

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19	Innate Immune Responses in Serum and Cerebrospinal Fluid From Neonates and Infants Infected With Parechovirus-A3 or Enteroviruses. <i>Journal of Infectious Diseases</i> , 2020, 222, 681-689.	4.0	7
20	Protective effect of hinokitiol against periodontal bone loss in ligature-induced experimental periodontitis in mice. <i>Archives of Oral Biology</i> , 2020, 112, 104679.	1.8	21
21	Sulfated vizantin inhibits biofilm maturation by <i>Streptococcus mutans</i> . <i>Microbiology and Immunology</i> , 2020, 64, 493-501.	1.4	2
22	Erythromycin inhibits neutrophilic inflammation and mucosal disease by upregulating DEL-1. <i>JCI Insight</i> , 2020, 5, .	5.0	20
23	Treatment of severe pneumonia by hinokitiol in a murine antimicrobial-resistant pneumococcal pneumonia model. <i>PLoS ONE</i> , 2020, 15, e0240329.	2.5	9
24	A Horizontal Sequential Cutting Method to Estimate the Effectiveness of Dentin Disinfection by Using Confocal Laser Scanning Microscopy. <i>Journal of Endodontics</i> , 2019, 45, 1142-1147.	3.1	4
25	<i>Streptococcus pneumoniae</i> Evades Host Cell Phagocytosis and Limits Host Mortality Through Its Cell Wall Anchoring Protein PfbA. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 301.	3.9	22
26	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.	1.4	38
27	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
28	<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.	1.4	15
29	Fecal microbiota transplantation prevents <i>Candida albicans</i> from colonizing the gastrointestinal tract. <i>Microbiology and Immunology</i> , 2019, 63, 155-163.	1.4	22
30	Repeated human deciduous tooth-derived dental pulp cell reprogramming factor transfection yields multipotent intermediate cells with enhanced iPSC cell formation capability. <i>Scientific Reports</i> , 2019, 9, 1490.	3.3	11
31	2853. Innate Immune Response in Serum and Cerebrospinal Fluid of Neonates and Infants Infected with Parechovirus-A3 and Enteroviruses. <i>Open Forum Infectious Diseases</i> , 2019, 6, S74-S74.	0.9	0
32	Immunization with pneumococcal elongation factor Tu enhances serotype-independent protection against <i>Streptococcus pneumoniae</i> infection. <i>Vaccine</i> , 2019, 37, 160-168.	3.8	17
33	Peptides from rice endosperm protein restrain periodontal bone loss in mouse model of periodontitis. <i>Archives of Oral Biology</i> , 2019, 98, 132-139.	1.8	15
34	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.	1.7	24
35	Sulfated vizantin induces formation of macrophage extracellular traps. <i>Microbiology and Immunology</i> , 2018, 62, 310-316.	1.4	7
36	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.	3.0	23

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37	<i>Streptococcus pyogenes</i> CAMP factor promotes bacterial adhesion and invasion in pharyngeal epithelial cells without serum via PI3K/Akt signaling pathway. <i>Microbes and Infection</i> , 2018, 20, 9-18.	1.9	12
38	<i>Streptococcus pyogenes</i> CAMP factor promotes calcium ion uptake in RAW264.7 cells. <i>Microbiology and Immunology</i> , 2018, 62, 617-623.	1.4	1
39	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, .	3.2	15
40	Streptococcal Cysteine Protease-Mediated Cleavage of Desmogleins Is Involved in the Pathogenesis of Cutaneous Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 10.	3.9	20
41	Neutrophil Elastase Subverts the Immune Response by Cleaving Toll-Like Receptors and Cytokines in Pneumococcal Pneumonia. <i>Frontiers in Immunology</i> , 2018, 9, 732.	4.8	59
42	The effect of chlorhexidine on dental calculus formation: an in vitro study. <i>BMC Oral Health</i> , 2018, 18, 52.	2.3	30
43	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.	5.2	34
44	Isolation and characterization of lymphoid enhancer factor-1-positive deciduous dental pulp stem-like cells after transfection with a piggyBac vector containing LEF1 promoter-driven selection markers. <i>Archives of Oral Biology</i> , 2017, 81, 110-120.	1.8	5
45	Antimicrobial activity of ethylene-vinyl acetate containing bioactive filler against oral bacteria. <i>Dental Materials Journal</i> , 2017, 36, 784-790.	1.8	5
46	<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.	3.9	8
47	<i>Streptococcus pneumoniae</i> disrupts pulmonary immune defence via elastase release following pneumolysin-dependent neutrophil lysis. <i>Scientific Reports</i> , 2016, 6, 38013.	3.3	50
48	Poor survival of Methicillin-resistant <i>Staphylococcus aureus</i> on inanimate objects in the public spaces. <i>MicrobiologyOpen</i> , 2016, 5, 39-46.	3.0	11
49	Anti-biofilm and bactericidal effects of magnolia bark-derived magnolol and honokiol on <i>Streptococcus mutans</i> . <i>Microbiology and Immunology</i> , 2016, 60, 10-16.	1.4	56
50	Chemical Hybridization of Vizantin and Lipid A to Generate a Novel LPS Antagonist. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 246-257.	1.3	7
51	Vizantin inhibits bacterial adhesion without affecting bacterial growth and causes <i>Streptococcus mutans</i> biofilm to detach by altering its internal architecture. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 173-179.	2.1	9
52	<i>Streptococcus pyogenes</i> CAMP factor attenuates phagocytic activity of RAW 264.7 cells. <i>Microbes and Infection</i> , 2016, 18, 118-127.	1.9	14
53	Membrane-Binding Mechanism of <i>Clostridium perfringens</i> Alpha-Toxin. <i>Toxins</i> , 2015, 7, 5268-5275.	3.4	49
54	Tetranorsesquiterpenoids and Santalane-Type Sesquiterpenoids from <i>Illicium lanceolatum</i> and Their Antimicrobial Activity against the Oral Pathogen <i>Porphyromonas gingivalis</i> . <i>Journal of Natural Products</i> , 2015, 78, 1466-1469.	3.0	25

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55	Residual Structure of Streptococcus mutans Biofilm following Complete Disinfection Favors Secondary Bacterial Adhesion and Biofilm Re-Development. PLoS ONE, 2015, 10, e0116647.	2.5	38
56	Clostridium perfringens Alpha-Toxin Induces Gm1a Clustering and Trka Phosphorylation in the Host Cell Membrane. PLoS ONE, 2015, 10, e0120497.	2.5	16
57	Penetration kinetics of four mouthrinses into Streptococcus mutans biofilms analyzed by direct time-lapse visualization. Clinical Oral Investigations, 2014, 18, 625-634.	3.0	22
58	Innate lymphoid cells regulate intestinal epithelial cell glycosylation. Science, 2014, 345, 1254009.	12.6	450
59	Vizantin Inhibits Endotoxin-Mediated Immune Responses via the TLR 4/MD-2 Complex. Journal of Immunology, 2014, 193, 4507-4514.	0.8	23
60	Evaluation of the penetration ability and antimicrobial efficacy of Listerine <sup>®</sup> Natural Care against Streptococcus mutans biofilms. Journal of Japanese Society of Periodontology, 2014, 56, 291-301.	0.1	0
61	MicroRNA fragments derived from Streptococcus pyogenes enable activation of neutrophil phagocytosis: in vitro study. Microbes and Infection, 2013, 15, 212-218.	1.9	1
62	Group A Streptococcal Cysteine Protease Cleaves Epithelial Junctions and Contributes to Bacterial Translocation. Journal of Biological Chemistry, 2013, 288, 13317-13324.	3.4	46
63	Neonatal pleural empyema caused by emm type 6 group A streptococcus. Pediatrics International, 2013, 55, 519-521.	0.5	1
64	Pleiotropic virulence factor of Streptococcus pyogenes fibronectin-binding proteins. Cellular Microbiology, 2013, 15, 503-511.	2.1	56
65	Cysteine Proteinase from Streptococcus pyogenes Enables Evasion of Innate Immunity via Degradation of Complement Factors. Journal of Biological Chemistry, 2013, 288, 15854-15864.	3.4	59
66	STO Feeder Cells Are Useful for Propagation of Primarily Cultured Human Deciduous Dental Pulp Cells by Eliminating Contaminating Bacteria and Promoting Cellular Outgrowth. Cell Medicine, 2013, 6, 75-81.	5.0	5
67	Streptococcus pneumoniae Invades Erythrocytes and Utilizes Them to Evade Human Innate Immunity. PLoS ONE, 2013, 8, e77282.	2.5	30
68	Hydrogen Peroxide Produced by Oral Streptococci Induces Macrophage Cell Death. PLoS ONE, 2013, 8, e62563.	2.5	44
69	Involvement of T6 Pili in Biofilm Formation by Serotype M6 Streptococcus pyogenes. Journal of Bacteriology, 2012, 194, 804-812.	2.2	45
70	S-Carboxymethylcysteine inhibits adherence of Streptococcus pneumoniae to human alveolar epithelial cells. Journal of Medical Microbiology, 2012, 61, 101-108.	1.8	16
71	Group A Streptococcus Adheres to Pharyngeal Epithelial Cells with Salivary Proline-rich Proteins via CrpE Chaperone Protein. Journal of Biological Chemistry, 2012, 287, 22266-22275.	3.4	25
72	Long-term survival of salivary streptococci on dental devices made of ethylene vinyl acetate. International Journal of Oral Science, 2012, 4, 14-18.	8.6	14

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73	Î±-Enolase of <i>Streptococcus pneumoniae</i> Induces Formation of Neutrophil Extracellular Traps. <i>Journal of Biological Chemistry</i> , 2012, 287, 10472-10481.	3.4	114
74	The virulence factors and pathogenic mechanisms of <i>Streptococcus pyogenes</i> . <i>Journal of Oral Biosciences</i> , 2012, 54, 96-100.	2.2	20
75	Pili of oral <i>Streptococcus sanguinis</i> bind to salivary amylase and promote the biofilm formation. <i>Microbial Pathogenesis</i> , 2011, 50, 148-154.	2.9	50
76	Biofilm formation or internalization into epithelial cells enable <i>Streptococcus pyogenes</i> to evade antibiotic eradication in patients with pharyngitis. <i>Microbial Pathogenesis</i> , 2011, 51, 58-68.	2.9	67
77	Mucosal immune features to phosphorylcholine by nasal Flt3 ligand cDNA-based vaccination. <i>Vaccine</i> , 2011, 29, 5747-5757.	3.8	10
78	Oral-Nasopharyngeal Dendritic Cells Mediate T Cell-Independent IgA Class Switching on B-1 B Cells. <i>PLoS ONE</i> , 2011, 6, e25396.	2.5	13
79	Epidemiological characterization of <i>Streptococcus pyogenes</i> isolated from patients with multiple onsets of pharyngitis. <i>FEMS Microbiology Letters</i> , 2011, 318, 143-151.	1.8	21
80	<i>Streptococcus sanguinis</i> induces foam cell formation and cell death of macrophages in association with production of reactive oxygen species. <i>FEMS Microbiology Letters</i> , 2011, 323, 164-170.	1.8	24
81	Novel Epitopic Region of Glucosyltransferase B from <i>Streptococcus mutans</i> . <i>Vaccine Journal</i> , 2011, 18, 1552-1561.	3.1	8
82	Streptolysin S Contributes to Group A Streptococcal Translocation across an Epithelial Barrier. <i>Journal of Biological Chemistry</i> , 2011, 286, 2750-2761.	3.4	75
83	Assembly Mechanism of FCT Region Type 1 Pili in Serotype M6 <i>Streptococcus pyogenes</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 37566-37577.	3.4	30
84	<i>Fusobacterium nucleatum</i> Envelope Protein FomA Is Immunogenic and Binds to the Salivary Statherin-Derived Peptide. <i>Infection and Immunity</i> , 2010, 78, 1185-1192.	2.2	45
85	Pili of oral <i>Streptococcus sanguinis</i> bind to fibronectin and contribute to cell adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1192-1196.	2.1	42
86	Mode of Expression and Functional Characterization of FCT-3 Pilus Region-Encoded Proteins in <i>Streptococcus pyogenes</i> Serotype M49. <i>Infection and Immunity</i> , 2009, 77, 32-44.	2.2	76
87	Molecular and biological characterization of <i>gtf</i> regulation-associated genes in <i>Streptococcus mutans</i> . <i>Oral Microbiology and Immunology</i> , 2009, 24, 211-217.	2.8	10
88	Nrc of <i>Streptococcus pneumoniae</i> suppresses capsule expression and enhances anti-phagocytosis. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 155-160.	2.1	10
89	Fba, a novel fibronectin-binding protein from <i>Streptococcus pyogenes</i> , promotes bacterial entry into epithelial cells, and the <i>fba</i> gene is positively transcribed under the Mga regulator. <i>Molecular Microbiology</i> , 2008, 42, 75-86.	2.5	159
90	Molecular and biological characterization of histidine triad protein in group A streptococci. <i>Microbes and Infection</i> , 2008, 10, 414-423.	1.9	31

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91	Streptococcal immunoglobulin-binding protein Sib35 exerts stimulatory and mitogenic effects toward mouse B lymphocytes. <i>FEMS Microbiology Letters</i> , 2008, 281, 73-80.	1.8	7
92	Molecular cloning of novel Monad binding protein containing tetratricopeptide repeat domains. <i>FEBS Letters</i> , 2008, 582, 2365-2370.	2.8	34
93	A novel streptococcal leucine zipper protein (Lzp) binds to human immunoglobulins. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 1128-1134.	2.1	12
94	Possible Mechanisms Related to Development of Severe <i>Streptococcus pyogenes</i> Infection. <i>Journal of Oral Biosciences</i> , 2008, 50, 89-97.	2.2	1
95	PfbA, a Novel Plasmin- and Fibronectin-binding Protein of <i>Streptococcus pneumoniae</i> , Contributes to Fibronectin-dependent Adhesion and Antiphagocytosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 36272-36279.	3.4	91
96	Group A Streptococcal Cysteine Protease Degrades C3 (C3b) and Contributes to Evasion of Innate Immunity. <i>Journal of Biological Chemistry</i> , 2008, 283, 6253-6260.	3.4	105
97	Possible Mechanisms Related to Development of Severe <i>Streptococcus pyogenes</i> Infection. <i>Journal of Oral Biosciences</i> , 2008, 50, 89-97.	2.2	0
98	Calcineurin Potentiates the Activation of Procaspace-3 by Accelerating Its Proteolytic Maturation. <i>Journal of Biological Chemistry</i> , 2007, 282, 11786-11794.	3.4	25
99	Inflammatory Immune Responses by Water-insoluble $\hat{\alpha}$ -glucans. <i>Journal of Dental Research</i> , 2007, 86, 242-248.	5.2	12
100	Water-insoluble $\hat{\alpha}$ -glucans from <i>Streptococcus sobrinus</i> induce inflammatory immune responses. , 2007, , 243-247.		0
101	Role of <i>Streptococcus sanguinis</i> sortase A in bacterial colonization. <i>Microbes and Infection</i> , 2006, 8, 2791-2796.	1.9	70
102	Multifunctional Glyceraldehyde-3-phosphate Dehydrogenase of <i>Streptococcus pyogenes</i> Is Essential for Evasion from Neutrophils. <i>Journal of Biological Chemistry</i> , 2006, 281, 14215-14223.	3.4	162
103	Silkworm pathogenic bacteria infection model for identification of novel virulence genes. <i>Molecular Microbiology</i> , 2005, 56, 934-944.	2.5	151
104	Protective Immunity against <i>Streptococcus pyogenes</i> Challenge in Mice after Immunization with Fibronectin-binding Protein. <i>Journal of Infectious Diseases</i> , 2005, 192, 2081-2091.	4.0	44
105	Systemic immunization with streptococcal immunoglobulin-binding protein Sib35 induces protective immunity against group A <i>Streptococcus</i> challenge in mice. <i>Vaccine</i> , 2005, 23, 4852-4859.	3.8	17
106	The <i>Streptococcus pyogenes</i> Capsule Is Required for Adhesion of Bacteria to Virus-Infected Alveolar Epithelial Cells and Lethal Bacterial-Viral Superinfection. <i>Infection and Immunity</i> , 2004, 72, 6068-6075.	2.2	51
107	Molecular Characterization of a Novel Fibronectin-binding Protein of <i>Streptococcus pyogenes</i> Strains Isolated from Toxic Shock-like Syndrome Patients. <i>Journal of Biological Chemistry</i> , 2002, 277, 47428-47435.	3.4	113
108	A novel, anchorless streptococcal surface protein that binds to human immunoglobulins. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 1329-1333.	2.1	38

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109	Novel Laminin-Binding Protein of <i>Streptococcus pyogenes</i> , Lbp, Is Involved in Adhesion to Epithelial Cells. <i>Infection and Immunity</i> , 2002, 70, 993-997.	2.2	112
110	Systemic and Mucosal Immunizations with Fibronectin-Binding Protein FBP54 Induce Protective Immune Responses against <i>Streptococcus pyogenes</i> Challenge in Mice. <i>Infection and Immunity</i> , 2001, 69, 924-930.	2.2	97
111	Targeted Salivary Gland Immunization with Plasmid DNA Elicits Specific Salivary Immunoglobulin A and G Antibodies and Serum Immunoglobulin G Antibodies in Mice. <i>Infection and Immunity</i> , 1999, 67, 5863-5868.	2.2	42
112	Molecular analyses of glucosyltransferase genes among strains of <i>Streptococcus mutans</i> . <i>FEMS Microbiology Letters</i> , 1998, 161, 331-336.	1.8	36
113	Adverse Influences of Antimicrobial Strategy against Mature Oral Biofilm. , 0, , .		1