Thomas Thurnheer

List of Publications by Year
in descending order

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86 papers	3,853 citations	126901 33 h-index	133244 59 g-index
86 all docs	86 docs citations	86 times ranked	4056 citing authors

#	Article	IF	Citations
1	Microbial approaches for the assessment of toothpaste efficacy against oral species: A method comparison. MicrobiologyOpen, 2022, 11, e1271.	3.0	4
2	Staphylococcus aureus Interferes with Streptococci Spatial Distribution and with Protein Expression of Species within a Polymicrobial Oral Biofilm. Antibiotics, 2021, 10, 116.	3.7	8
3	Antibacterial Effect of High-Purity Nisin Alone and in Combination with D-Amino Acids or Chlorhexidine in an Endodontic-Like Biofilm Model. Antibiotics, 2021, 10, 149.	3.7	3
4	Salivary Biomarkers for Dental Caries Detection and Personalized Monitoring. Journal of Personalized Medicine, 2021, 11, 235.	2.5	19
5	Single DNase or Proteinase Treatment Induces Change in Composition and Structural Integrity of Multispecies Oral Biofilms. Antibiotics, 2021, 10, 400.	3.7	5
6	Antibacterial Effect of Sodium Hypochlorite and EDTA in Combination with High-Purity Nisin on an Endodontic-like Biofilm Model. Antibiotics, 2021, 10, 1141.	3.7	7
7	Low Concentrations of Chlorhexidine Inhibit the Formation and Structural Integrity of Enzyme-Treated Multispecies Oral Biofilms. Frontiers in Microbiology, 2021, 12, 741863.	3.5	5
8	Necrotizing Gingivitis: Microbial Diversity and Quantification of Protein Secretion in Necrotizing Gingivitis. Antibiotics, 2021, 10, 1197.	3.7	0
9	OralDisk: A Chair-Side Compatible Molecular Platform Using Whole Saliva for Monitoring Oral Health at the Dental Practice. Biosensors, 2021, 11, 423.	4.7	13
10	Biofilm Models to Study the Etiology and Pathogenesis of Oral Diseases. Monographs in Oral Science, 2021, 29, 30-37.	1.8	8
11	Microbial Analysis of Saliva to Identify Oral Diseases Using a Point-of-Care Compatible qPCR Assay. Journal of Clinical Medicine, 2020, 9, 2945.	2.4	20
12	Initial Bacterial Adhesion and Biofilm Formation on Aligner Materials. Antibiotics, 2020, 9, 908.	3.7	12
13	Endodontic-Like Oral Biofilms as Models for Multispecies Interactions in Endodontic Diseases. Microorganisms, 2020, 8, 674.	3.6	20
14	Next-Generation Sequencing to Assess Potentially Active Bacteria in Endodontic Infections. Journal of Endodontics, 2020, 46, 1105-1112.	3.1	16
15	Combined DNase and Proteinase Treatment Interferes with Composition and Structural Integrity of Multispecies Oral Biofilms. Journal of Clinical Medicine, 2020, 9, 983.	2.4	33
16	Biofilm Matrixome: Extracellular Components in Structured Microbial Communities. Trends in Microbiology, 2020, 28, 668-681.	7.7	637
17	Fusobacterium Species and Subspecies Differentially Affect the Composition and Architecture of Supra- and Subgingival Biofilms Models. Frontiers in Microbiology, 2019, 10, 1716.	3.5	75
18	Antibiotic Susceptibility Patterns of Aggregatibacter actinomycetemcomitans and Porphyromonas gingivalis Strains from Different Decades. Antibiotics, 2019, 8, 253.	3.7	23

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19	Antimicrobial Photoinactivation Using Visible Light Plus Water-Filtered Infrared-A (VISâ€‰+â€‰wIRA) and Hypericum Perforatum Modifies In Situ Oral Biofilms. Scientific Reports, 2019, 9, 20325.	3.3	17
20	Effect of sodium fluoride on oral biofilm microbiota and enamel demineralization. Archives of Oral Biology, 2018, 89, 77-83.	1.8	36
21	Phenalen-1-One-Mediated Antimicrobial Photodynamic Therapy and Chlorhexidine Applied to a Novel Caries Biofilm Model. Caries Research, 2018, 52, 447-453.	2.0	21
22	Streptococcus oralis maintains homeostasis in oral biofilms by antagonizing the cariogenic pathogen Streptococcus mutans. Molecular Oral Microbiology, 2018, 33, 234-239.	2.7	56
23	Comparing the Antimicrobial In Vitro Efficacy of Amoxicillin/Metronidazole against Azithromycinâ€”A Systematic Review. Dentistry Journal, 2018, 6, 59.	2.3	7
24	Aggregatibacter actinomycetemcomitans H-NS promotes biofilm formation and alters protein dynamics of other species within a polymicrobial oral biofilm. Npj Biofilms and Microbiomes, 2018, 4, 12.	6.4	19
25	Phenalen-1-one-Mediated Antimicrobial Photodynamic Therapy: Antimicrobial Efficacy in a Periodontal Biofilm Model and Flow Cytometric Evaluation of Cytoplasmic Membrane Damage. Frontiers in Microbiology, 2018, 9, 688.	3.5	19
26	Subgingival Biofilms as Etiological Factors of Periodontal Disease. , 2018, , 21-29.		3
27	Influence of ultrasonic tip distance and orientation on biofilm removal. Clinical Oral Investigations, 2017, 21, 1029-1036.	3.0	9
28	<scp>FISH</scp>ing for guttaâ€perchaâ€adhered biofilms in purulent postâ€treatment apical periodontitis. Molecular Oral Microbiology, 2017, 32, 226-235.	2.7	18
29	Behavior of two Tannerella forsythia strains and their cell surface mutants in multispecies oral biofilms. Molecular Oral Microbiology, 2017, 32, 404-418.	2.7	26
30	Shotgun proteomic analysis of Anaeroglobus geminatus. Journal of Oral Microbiology, 2017, 9, 1325252.	2.7	1
31	Proteomic shifts in multi-species oral biofilms caused by Anaeroglobus geminatus. Scientific Reports, 2017, 7, 4409.	3.3	29
32	Microbial dynamics during conversion from supragingival to subgingival biofilms in an inÂvitro model. Molecular Oral Microbiology, 2016, 31, 125-135.	2.7	38
33	Tribute. Molecular Oral Microbiology, 2016, 31, 205-206.	2.7	0
34	Incorporation of staphylococci into titaniumâ€grown biofilms: an inÂvitro â€œsubmucosalâ€•biofilm model for periâ€implantitis. Clinical Oral Implants Research, 2016, 27, 890-895.	4.5	31
35	Endodontic drug delivery for root surface disinfection: a laboratory feasibility evaluation. Clinical Oral Investigations, 2016, 20, 607-613.	3.0	4
36	Quantitative Proteomics Reveal Distinct Protein Regulations Caused by Aggregatibacter actinomycetemcomitans within Subgingival Biofilms. PLoS ONE, 2015, 10, e0119222.	2.5	37

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37	Integration of non-oral bacteria into in vitro oral biofilms. Virulence, 2015, 6, 258-264.	4.4	38
38	Secretome of gingival epithelium in response to subgingival biofilms. Molecular Oral Microbiology, 2015, 30, 323-335.	2.7	42
39	Mechanical and hydrodynamic homecare devices to clean rough implant surfaces â€“ an in vitro polyspecies biofilm study. Clinical Oral Implants Research, 2015, 26, 523-528.	4.5	8
40	The expression of gingival epithelial junctions in response to subgingival biofilms. Virulence, 2015, 6, 704-709.	4.4	32
41	Antibacterial Efficacy of a Propolis Toothpaste and Mouthrinse Against a Supragingival Multispecies Biofilm. Oral Health & Preventive Dentistry, 2015, 13, 531-5.	0.5	17
42	Intracanal Antibiotic Medication for Sustained Root Surface Disinfectionâ€“ A Laboratory Evaluation. Open Dentistry Journal, 2015, 9, 396-401.	0.5	0
43	Role of Porphyromonas gingivalis gingipains in multi-species biofilm formation. BMC Microbiology, 2014, 14, 258.	3.3	76
44	Porphyromonas gingivalis. Virulence, 2014, 5, 463-464.	4.4	6
45	Static biofilm removal around ultrasonic tips in vitro. Clinical Oral Investigations, 2014, 18, 1779-1784.	3.0	18
46	Effect of Low Direct Current on Anaerobic Multispecies Biofilm Adhering to a Titanium Implant Surface. Clinical Implant Dentistry and Related Research, 2014, 16, 552-556.	3.7	18
47	Red Wine and Oenological Extracts Display Antimicrobial Effects in an Oral Bacteria Biofilm Model. Journal of Agricultural and Food Chemistry, 2014, 62, 4731-4737.	5.2	37
48	Colonisation of gingival epithelia by subgingival biofilms in vitro: Role of â€œred complexâ€•bacteria. Archives of Oral Biology, 2014, 59, 977-986.	1.8	60
49	Validation of Antibiotic Efficacy on In Vitro Subgingival Biofilms. Journal of Periodontology, 2014, 85, 343-348.	3.4	40
50	Validation of a quantitative realâ€time PCR assay and comparison with fluorescence microscopy and selective agar plate counting for speciesâ€specific quantification of an in vitro subgingival biofilm model. Journal of Periodontal Research, 2013, 48, 517-526.	2.7	74
51	Infections Associated with Implanted Dental Devices. , 2013, , 249-271.		1
52	Interleukin-8 Responses of Multi-Layer Gingival Epithelia to Subgingival Biofilms: Role of the â€œRed Complexâ€•Species. PLoS ONE, 2013, 8, e81581.	2.5	45
53	Porphyromonas gingivalis Regulates TREM-1 in Human Polymorphonuclear Neutrophils via Its Gingipains. PLoS ONE, 2013, 8, e75784.	2.5	52
54	Phenotypic Diversity of Multicellular Filamentation in Oral Streptococci. PLoS ONE, 2013, 8, e76221.	2.5	11

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55	Impact of Early Colonizers on In Vitro Subgingival Biofilm Formation. PLoS ONE, 2013, 8, e83090.	2.5	52
56	Subgingival Biofilm Structure. Frontiers of Oral Biology, 2012, 15, 1-16.	1.5	53
57	The phylum Synergistetes in gingivitis and necrotizing ulcerative gingivitis. Journal of Medical Microbiology, 2012, 61, 1600-1609.	1.8	22
58	Advancement of the 10-species subgingival Zurich Biofilm model by examining different nutritional conditions and defining the structure of the in vitro biofilms. BMC Microbiology, 2012, 12, 227.	3.3	40
59	Validation of the ZÃ¼rich burn-biofilm model. Burns, 2011, 37, 1125-1133.	1.9	33
60	Potential systematic error in laboratory experiments on microbial leakage through filled root canals: an experimental study. International Endodontic Journal, 2011, 44, 827-835.	5.0	26
61	Involvement of the TREM-1/DAP12 pathway in the innate immune responses to Porphyromonas gingivalis. Molecular Immunology, 2011, 49, 387-394.	2.2	43
62	Phylogenetic group- and species-specific oligonucleotide probes for single-cell detection of lactic acid bacteria in oral biofilms. BMC Microbiology, 2011, 11, 14.	3.3	22
63	Dental Caries in Rats Associated with <i>Candida albicans</i>. Caries Research, 2011, 45, 100-106.	2.0	99
64	Oral Biofilm Architecture on Natural Teeth. PLoS ONE, 2010, 5, e9321.	2.5	499
65	In vitromodeling of host-parasite interactions: the 'subgingival' biofilm challenge of primary human epithelial cells. BMC Microbiology, 2009, 9, 280.	3.3	101
66	Cariogenicity of soluble starch in oralin vitrobiofilm and experimental rat caries studies: a comparison. Journal of Applied Microbiology, 2008, 105, 829-836.	3.1	21
67	Characterization of monoclonal antibodies for rapid identification of Actinomyces naeslundii in clinical samples. FEMS Microbiology Letters, 2006, 150, 255-262.	1.8	9
68	Effects of <i>Streptococcus mutans</i><i>gtfC </i>Deficiency on Mixed Oral Biofilms in vitro. Caries Research, 2006, 40, 163-171.	2.0	50
69	Guggenheimella bovis gen. nov., sp. nov., isolated from lesions of bovine dermatitis digitalis. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 667-671.	1.7	34
70	Gingival crevice microbiota from Chinese patients with gingivitis or necrotizing ulcerative gingivitis. European Journal of Oral Sciences, 2004, 112, 33-41.	1.5	50
71	Application of the ZÃ¼rich Biofilm Model to Problems of Cariology. Caries Research, 2004, 38, 212-222.	2.0	101
72	Multiplex FISH analysis of a six-species bacterial biofilm. Journal of Microbiological Methods, 2004, 56, 37-47.	1.6	190

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73	Mass Transport of Macromolecules within an In Vitro Model of Supragingival Plaque. Applied and Environmental Microbiology, 2003, 69, 1702-1709.	3.1	129
74	Direct quantitative differentiation between Prevotella intermedia and Prevotella nigrescens in clinical specimens. Microbiology (United Kingdom), 2002, 148, 1379-1387.	1.8	39
75	Automated fluorescent in situ hybridization for the specific detection and quantification of oral streptococci in dental plaque. Journal of Microbiological Methods, 2001, 44, 39-47.	1.6	52
76	A FULLY AUTOMATED MICROSCOPE BACTERIAL ENUMERATION SYSTEM FOR STUDIES OF ORAL MICROBIAL ECOLOGY. Journal of Immunoassay and Immunochemistry, 2001, 22, 253-274.	1.1	18
77	Treponema parvum sp. nov., a small, glucoronic or galacturonic acid-dependent oral spirochaete from lesions of human periodontitis and acute necrotizing ulcerative gingivitis.. International Journal of Systematic and Evolutionary Microbiology, 2001, 51, 955-962.	1.7	50
78	Automated immunofluorescence for enumeration of selected taxa in supragingival dental plaque. European Journal of Oral Sciences, 2000, 108, 393-402.	1.5	20
79	Microbiological aspects of an in situ model to study effects of antimicrobial agents on dental plaque ecology. European Journal of Oral Sciences, 2000, 108, 403-411.	1.5	22
80	Dominant Cross-reactive Antibodies Generated during the Response to a Variety of Oral Bacterial Species Detect Phosphorylcholine. Journal of Dental Research, 1999, 78, 77-85.	5.2	33
81	Infinite Serovar and Ribotype Heterogeneity Among Oral Fusobacterium nucleatum Strains?. Anaerobe, 1999, 5, 79-92.	2.1	30
82	Characterization of monoclonal antibodies for rapid identification of in clinical samples. FEMS Microbiology Letters, 1997, 150, 255-262.	1.8	14
83	Initial steps in the degradation of benzene sulfonic acid, 4-toluene sulfonic acids, and orthanilic acid in Alcaligenes sp. strain O-1. Biodegradation, 1990, 1, 55-64.	3.0	50
84	3-Nitrobenzenesulfonate, 3-Aminobenzenesulfonate, and 4-Aminobenzenesulfonate as Sole Carbon Sources for Bacteria. Applied and Environmental Microbiology, 1989, 55, 492-494.	3.1	38
85	Co-culture of defined bacteria to degrade seven sulfonated aromatic compounds: efficiency, rates and phenotypic variations. Applied Microbiology and Biotechnology, 1988, 29, 605-609.	3.6	36
86	Determination of sulphonated azo dyestuffs and their bacterial metabolites by high-performance liquid chromatography. Journal of Chromatography A, 1986, 360, 219-223.	3.7	23