

Marlise InÃz Klein

List of Publications by Year in descending order

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70
papers

4,897
citations

126901

33
h-index

98792

67
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71
all docs

71
docs citations

71
times ranked

4455
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymicrobial biofilms related to dental implant diseases: unravelling the critical role of extracellular biofilm matrix. <i>Critical Reviews in Microbiology</i> , 2023, 49, 370-390.	6.1	10
2	Nanoparticle carrier co-delivery of complementary antibiofilm drugs abrogates dual species cariogenic biofilm formation <i>in vitro</i> . <i>Journal of Oral Microbiology</i> , 2022, 14, 1997230.	2.7	9
3	DNase enhances photodynamic therapy against fluconazole-resistant <i>Candida albicans</i> biofilms. <i>Oral Diseases</i> , 2022, , .	3.0	4
4	Oral Streptococci. , 2022, , 125-137.		1
5	Topical Application of 4-Hydroxychalcone in Combination with Farnesol Is Effective against <i>Candida albicans</i> and <i>Streptococcus mutans</i> Biofilms. <i>ACS Omega</i> , 2022, 7, 22773-22786.	3.5	1
6	Distinct Agents Induce <i>Streptococcus mutans</i> Cells with Altered Biofilm Formation Capacity. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	4
7	Consecutive treatments with photodynamic therapy and nystatin altered the expression of virulence and ergosterol biosynthesis genes of a fluconazole-resistant <i>Candida albicans</i> <i>in vivo</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102155.	2.6	8
8	Systematic Approach to Identify Novel Antimicrobial and Antibiofilm Molecules from Plants' Extracts and Fractions to Prevent Dental Caries. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
9	Compounds with Distinct Targets Present Diverse Antimicrobial and Antibiofilm Efficacy against <i>Candida albicans</i> and <i>Streptococcus mutans</i> , and Combinations of Compounds Potentiate Their Effect. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 340.	3.5	16
10	Gene expression of <i>Candida albicans</i> strains isolates from patients with denture stomatitis submitted to treatments with photodynamic therapy and nystatin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102292.	2.6	5
11	Microbial Adhesion and Biofilm Formation on Bioactive Surfaces of Ti-35Nb-7Zr-5Ta Alloy Created by Anodization. <i>Microorganisms</i> , 2021, 9, 2154.	3.6	1
12	<i>Lactobacillus casei</i> reduces the extracellular matrix components of fluconazole-susceptible <i>Candida albicans</i> biofilms. <i>Biofouling</i> , 2021, , 1-16.	2.2	3
13	Successive applications of Antimicrobial Photodynamic Therapy effects the susceptibility of <i>Candida albicans</i> grown in medium with or without fluconazole. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102018.	2.6	7
14	Salivary Microbiological and Gingival Health Status Evaluation of Adolescents With Overweight and Obesity: A Cluster Analysis. <i>Frontiers in Pediatrics</i> , 2020, 8, 429.	1.9	11
15	Modulation of Lipoteichoic Acids and Exopolysaccharides Prevents <i>Streptococcus mutans</i> Biofilm Accumulation. <i>Molecules</i> , 2020, 25, 2232.	3.8	11
16	Antimicrobial photodynamic therapy reduces gene expression of <i>Candida albicans</i> in biofilms. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101825.	2.6	20
17	Establishment of microcosm biofilm models that reproduce a cariogenic diet intake. <i>Biofouling</i> , 2020, 36, 1-14.	2.2	0
18	Nanotechnology and Delivery System for Bioactive Antibiofilm Dental Materials. , 2020, , 165-197.		0

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19	Antimicrobial and antibiofilm activities of <i>Casearia sylvestris</i> extracts from distinct Brazilian biomes against <i>Streptococcus mutans</i> and <i>Candida albicans</i> . <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 308.	3.7	15
20	Inactivation of <i>Streptococcus mutans</i> genes <i>lytST</i> and <i>dltAD</i> impairs its pathogenicity in vivo. <i>Journal of Oral Microbiology</i> , 2019, 11, 1607505.	2.7	18
21	DNase increases the efficacy of antimicrobial photodynamic therapy on <i>Candida albicans</i> biofilms. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 124-131.	2.6	18
22	Dual-species biofilms of <i>Streptococcus mutans</i> and <i>Candida albicans</i> exhibit more biomass and are mutually beneficial compared with single-species biofilms. <i>Journal of Oral Microbiology</i> , 2019, 11, 1581520.	2.7	52
23	A quest to find good primers for gene expression analysis of <i>Candida albicans</i> from clinical samples. <i>Journal of Microbiological Methods</i> , 2018, 147, 1-13.	1.6	21
24	Extracellular matrix influence in <i>Streptococcus mutans</i> gene expression in a cariogenic biofilm. <i>Molecular Oral Microbiology</i> , 2018, 33, 181-193.	2.7	24
25	Effect of tt-farnesol and myricetin on in vitro biofilm formed by <i>Streptococcus mutans</i> and <i>Candida albicans</i> . <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 61.	3.7	37
26	Antimicrobial photodynamic therapy alone or in combination with antibiotic local administration against biofilms of <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 135-145.	3.8	26
27	Influence of the use of complete denture adhesives on microbial adhesion and biofilm formation by single- and mixed-species. <i>PLoS ONE</i> , 2018, 13, e0203951.	2.5	7
28	An in vitro model of <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> in single- and dual-species biofilms. <i>Journal of Periodontal and Implant Science</i> , 2018, 48, 12.	2.0	21
29	Fluconazole impacts the extracellular matrix of fluconazole-susceptible and -resistant <i>Candida albicans</i> and <i>Candida glabrata</i> biofilms. <i>Journal of Oral Microbiology</i> , 2018, 10, 1476644.	2.7	23
30	Advances in the microbial etiology and pathogenesis of early childhood caries. <i>Molecular Oral Microbiology</i> , 2017, 32, 24-34.	2.7	169
31	Inactivation of genes <i>TEC1</i> and <i>EFG1</i> in <i>Candida albicans</i> influences extracellular matrix composition and biofilm morphology. <i>Journal of Oral Microbiology</i> , 2017, 9, 1385372.	2.7	30
32	Extracellular DNA and lipoteichoic acids interact with exopolysaccharides in the extracellular matrix of <i>Streptococcus mutans</i> biofilms. <i>Biofouling</i> , 2017, 33, 722-740.	2.2	63
33	Quantitative assessment of salivary oral bacteria according to the severity of dental caries in childhood. <i>Archives of Oral Biology</i> , 2017, 83, 282-288.	1.8	22
34	Educational strategies and atraumatic restorative treatment effect on salivary characteristics: A controlled clinical trial. <i>Oral Diseases</i> , 2017, 23, 1116-1126.	3.0	14
35	Characterization and optimization of pH-responsive polymer nanoparticles for drug delivery to oral biofilms. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3075-3085.	5.8	69
36	<i>Streptococcus mutans</i> -derived extracellular matrix in cariogenic oral biofilms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 10.	3.9	248

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37	Effect of Twice-Daily Blue Light Treatment on Matrix-Rich Biofilm Development. <i>PLoS ONE</i> , 2015, 10, e0131941.	2.5	44
38	pH-Activated Nanoparticles for Controlled Topical Delivery of Farnesol To Disrupt Oral Biofilm Virulence. <i>ACS Nano</i> , 2015, 9, 2390-2404.	14.6	266
39	Analysis of the mechanical stability and surface detachment of mature <i>Streptococcus mutans</i> biofilms by applying a range of external shear forces. <i>Biofouling</i> , 2014, 30, 1079-1091.	2.2	61
40	Lessons Learned from Clinical Studies: Roles of Mutans Streptococci in the Pathogenesis of Dental Caries. <i>Current Oral Health Reports</i> , 2014, 1, 70-78.	1.6	34
41	Symbiotic Relationship between <i>Streptococcus mutans</i> and <i>Candida albicans</i> Synergizes Virulence of Plaque Biofilms <i>In Vivo</i> . <i>Infection and Immunity</i> , 2014, 82, 1968-1981.	2.2	451
42	<i>Streptococcus mutans</i> Extracellular DNA Is Upregulated during Growth in Biofilms, Actively Released via Membrane Vesicles, and Influenced by Components of the Protein Secretion Machinery. <i>Journal of Bacteriology</i> , 2014, 196, 2355-2366.	2.2	249
43	The Exopolysaccharide Matrix. <i>Journal of Dental Research</i> , 2013, 92, 1065-1073.	5.2	414
44	The specific degree-of-polymerization of A-type proanthocyanidin oligomers impacts <i>Streptococcus mutans</i> glucan-mediated adhesion and transcriptome responses within biofilms. <i>Biofouling</i> , 2013, 29, 629-640.	2.2	45
45	Novel Antibiofilm Chemotherapy Targets Exopolysaccharide Synthesis and Stress Tolerance in <i>Streptococcus mutans</i> To Modulate Virulence Expression <i>In Vivo</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6201-6211.	3.2	55
46	The Exopolysaccharide Matrix Modulates the Interaction between 3D Architecture and Virulence of a Mixed-Species Oral Biofilm. <i>PLoS Pathogens</i> , 2012, 8, e1002623.	4.7	428
47	Molecular approaches for viable bacterial population and transcriptional analyses in a rodent model of dental caries. <i>Molecular Oral Microbiology</i> , 2012, 27, 350-361.	2.7	44
48	<i>Streptococcus mutans</i> Protein Synthesis during Mixed-Species Biofilm Development by High-Throughput Quantitative Proteomics. <i>PLoS ONE</i> , 2012, 7, e45795.	2.5	74
49	Influences of trans farnesol, a membrane-targeting sesquiterpenoid, on <i>Streptococcus mutans</i> physiology and survival within mixed-species oral biofilms. <i>International Journal of Oral Science</i> , 2011, 3, 98-106.	8.6	59
50	An Analytical Tool-box for Comprehensive Biochemical, Structural and Transcriptome Evaluation of Oral Biofilms Mediated by Mutans Streptococci. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	22
51	Role of Glucosyltransferase B in Interactions of <i>Candida albicans</i> with <i>Streptococcus mutans</i> and with an Experimental Pellicle on Hydroxyapatite Surfaces. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6357-6367.	3.1	162
52	Elevated Incidence of Dental Caries in a Mouse Model of Cystic Fibrosis. <i>PLoS ONE</i> , 2011, 6, e16549.	2.5	36
53	Exopolysaccharides Produced by <i>Streptococcus mutans</i> Glucosyltransferases Modulate the Establishment of Microcolonies within Multispecies Biofilms. <i>Journal of Bacteriology</i> , 2010, 192, 3024-3032.	2.2	404
54	Dynamics of <i>Streptococcus mutans</i> Transcriptome in Response to Starch and Sucrose during Biofilm Development. <i>PLoS ONE</i> , 2010, 5, e13478.	2.5	106

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55	Structural and Molecular Basis of the Role of Starch and Sucrose in <i>Streptococcus mutans</i> Biofilm Development. <i>Applied and Environmental Microbiology</i> , 2009, 75, 837-841.	3.1	128
56	Influences of naturally occurring agents in combination with fluoride on gene expression and structural organization of <i>Streptococcus mutans</i> in biofilms. <i>BMC Microbiology</i> , 2009, 9, 228.	3.3	60
57	Extracellular Polysaccharides Matrix – An Often Forgotten Virulence Factor in Oral Biofilm Research. <i>International Journal of Oral Science</i> , 2009, 1, 229-234.	8.6	65
58	Periodontal and microbiologic evaluation of 2 methods of archwire ligation: Ligature wires and elastomeric rings. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008, 134, 506-512.	1.7	57
59	Influences of starch and sucrose on <i>Streptococcus mutans</i> biofilms. <i>Oral Microbiology and Immunology</i> , 2008, 23, 206-212.	2.8	75
60	Genetic diversity and exoenzyme activities of <i>Candida albicans</i> and <i>Candida dubliniensis</i> isolated from the oral cavity of Brazilian periodontal patients. <i>Archives of Oral Biology</i> , 2008, 53, 1172-1178.	1.8	53
61	Effect of Starch and Sucrose on Dental Biofilm Formation and on Root Dentine Demineralization. <i>Caries Research</i> , 2008, 42, 380-386.	2.0	119
62	Increase in Probing Depth Is Correlated With a Higher Number of <i>Prevotella intermedia</i> Genotypes. <i>Journal of Periodontology</i> , 2006, 77, 61-66.	3.4	6
63	Biotyping and genotypic diversity among oral <i>Candida albicans</i> strains from caries-free and caries-active healthy children. <i>Brazilian Journal of Microbiology</i> , 2006, 37, 26-32.	2.0	20
64	Genetic Diversity of Competence Gene Loci in Clinical Genotypes of <i>Streptococcus mutans</i> . <i>Journal of Clinical Microbiology</i> , 2006, 44, 3015-3020.	3.9	23
65	Transmission, diversity and virulence factors of <i>Streptococcus mutans</i> genotypes. <i>Journal of Oral Science</i> , 2005, 47, 59-64.	1.7	87
66	Longitudinal Study of Transmission, Diversity, and Stability of <i>Streptococcus mutans</i> and <i>Streptococcus sobrinus</i> Genotypes in Brazilian Nursery Children. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4620-4626.	3.9	86
67	Clinical and microbiologic changes after removal of orthodontic appliances. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004, 126, 363-366.	1.7	101
68	Microbiological Changes With the Use of Locally Delivered Doxycycline in the Periodontal Treatment of Smokers. <i>Journal of Periodontology</i> , 2004, 75, 1600-1604.	3.4	20
69	Time of initial acquisition of mutans streptococci by human infants. <i>Journal of Clinical Pediatric Dentistry</i> , 2004, 28, 303-309.	1.0	20
70	Detection of <i>Tannerella forsythensis</i> (<i>Bacteroides forsythus</i>) and <i>Porphyromonas gingivalis</i> by Polymerase Chain Reaction in Subjects with Different Periodontal Status. <i>Journal of Periodontology</i> , 2003, 74, 798-802.	3.4	34