

Georg Conrads

List of Publications by Year in descending order

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112
papers

3,829
citations

117453

34
h-index

143772

57
g-index

117
all docs

117
docs citations

117
times ranked

4166
citing authors

#	ARTICLE	IF	CITATIONS
1	Diode Laser Radiation and Its Bactericidal Effect in Root Canal Wall Dentin. <i>Photomedicine and Laser Surgery</i> , 2000, 18, 57-60.	1.1	233
2	Dental caries and periodontal diseases in the ageing population: call to action to protect and enhance oral health and well-being as an essential component of healthy ageing – Consensus report of group 4 of the joint <sc>EFP</sc>/<sc>ORCA</sc> workshop on the boundaries between caries and periodontal diseases. <i>Journal of Clinical Periodontology</i> , 2017, 44, S135-S144.	2.3	160
3	Identification and Quantification of Archaea Involved in Primary Endodontic Infections. <i>Journal of Clinical Microbiology</i> , 2006, 44, 1274-1282.	1.8	148
4	In vivo evaluation of microbial reduction after chemo-mechanical preparation of human root canals containing necrotic pulp tissue. <i>International Endodontic Journal</i> , 2006, 39, 484-492.	2.3	140
5	The use of a 16S rDNA directed PCR for the detection of endodontopathogenic Bacteria. <i>Journal of Endodontics</i> , 1997, 23, 433-438.	1.4	120
6	Evaluation of Universal Probes and Primer Sets for Assessing Total Bacterial Load in Clinical Samples: General Implications and Practical Use in Endodontic Antimicrobial Therapy. <i>Journal of Clinical Microbiology</i> , 2005, 43, 5332-5337.	1.8	110
7	Bactericidal Effect of the Nd:YAG Laser in <i>in Vitro</i> Root Canals. <i>Photomedicine and Laser Surgery</i> , 1996, 14, 77-80.	1.1	109
8	Effect of root canal procedures on endotoxins and endodontic pathogens. <i>Oral Microbiology and Immunology</i> , 2007, 22, 411-418.	2.8	109
9	Quantitative Analysis of Three Hydrogenotrophic Microbial Groups, Methanogenic Archaea, Sulfate-Reducing Bacteria, and Acetogenic Bacteria, within Plaque Biofilms Associated with Human Periodontal Disease. <i>Journal of Bacteriology</i> , 2008, 190, 3779-3785.	1.0	107
10	PCR Reaction and Dot-Blot Hybridization to Monitor the Distribution of Oral Pathogens Within Plaque Samples of Periodontally Healthy Individuals. <i>Journal of Periodontology</i> , 1996, 67, 994-1003.	1.7	105
11	Distribution and persistence of probiotic <i>Streptococcus salivarius</i> K12 in the human oral cavity as determined by real-time quantitative polymerase chain reaction. <i>Oral Microbiology and Immunology</i> , 2007, 22, 126-130.	2.8	102
12	New methods for selective isolation of bacterial DNA from human clinical specimens. <i>Anaerobe</i> , 2010, 16, 47-53.	1.0	81
13	The <i>Streptococcus mutans</i> Serine/Threonine Kinase, PknB, Regulates Competence Development, Bacteriocin Production, and Cell Wall Metabolism. <i>Infection and Immunity</i> , 2010, 78, 2209-2220.	1.0	81
14	Comparing the cariogenic species <i>Streptococcus sobrinus</i> and <i>S. mutans</i> on whole genome level. <i>Journal of Oral Microbiology</i> , 2014, 6, 26189.	1.2	79
15	Selective isolation of bacterial DNA from human clinical specimens. <i>Journal of Microbiological Methods</i> , 2008, 72, 98-102.	0.7	78
16	Detection of <i>Porphyromonas gingivalis</i> DNA in Aortic Tissue by PCR. <i>Journal of Periodontology</i> , 2002, 73, 868-870.	1.7	70
17	16S-23S rDNA internal transcribed spacer sequences for analysis of the phylogenetic relationships among species of the genus <i>Fusobacterium</i> .. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 493-499.	0.8	68
18	The Discussion Goes on: What Is the Role of <i>Euryarchaeota</i> in Humans?. <i>Archaea</i> , 2010, 2010, 1-8.	2.3	67

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19	Pathophysiology of Dental Caries. Monographs in Oral Science, 2018, 27, 1-10.	0.9	64
20	Microarrays complement culture methods for identification of bacteria in endodontic infections. Oral Microbiology and Immunology, 2005, 20, 253-258.	2.8	61
21	Methanogenic <i>Archaea</i> and oral infections – ways to unravel the black box. Journal of Oral Microbiology, 2011, 3, 5940.	1.2	61
22	Tâ€RFLPâ€based <i>mcrA</i> gene analysis of methanogenic archaea in association with oral infections and evidence of a novel <i>Methanobrevibacter</i> phylotype. Oral Microbiology and Immunology, 2009, 24, 417-422.	2.8	59
23	Sampling of periodontal pathogens by paper points: evaluation of basic parameters. Oral Microbiology and Immunology, 1999, 14, 326-330.	2.8	55
24	Synergistes Group Organisms of Human Origin. Journal of Clinical Microbiology, 2006, 44, 2914-2920.	1.8	53
25	Role of Interactions Between Integrins and Extracellular Matrix Components in Healthy Epithelial Tissue and Establishment of a Long Junctional Epithelium During Periodontal Wound Healing: A Review. Journal of Periodontology, 1999, 70, 1511-1522.	1.7	50
26	Ageâ€related changes in immune function (immune senescence) in caries and periodontal diseases: a systematic review. Journal of Clinical Periodontology, 2017, 44, S153-S177.	2.3	48
27	<i>Fusobacterium canifelinum</i> sp. nov., from the Oral Cavity of Cats and Dogs. Systematic and Applied Microbiology, 2004, 27, 407-413.	1.2	46
28	<i>Staphylococcus lugdunensis</i> : Report of a Case of Peritonitis and an Easy-To-Perform Screening Strategy. Journal of Clinical Microbiology, 1998, 36, 812-813.	1.8	46
29	Functional Isoeugenolâ€Modified Nanogel Coatings for the Design of Biointerfaces. Angewandte Chemie - International Edition, 2017, 56, 2497-2502.	7.2	45
30	Comparative analysis of endodontic pathogens using checkerboard hybridization in relation to culture. Oral Microbiology and Immunology, 2008, 23, 282-290.	2.8	42
31	Aciduric microbial taxa including <i>Scardovia wiggisiae</i> and <i>Bifidobacterium</i> spp. in caries and caries free subjects. Anaerobe, 2015, 35, 60-65.	1.0	42
32	<i>McrA</i> and 16S rRNA gene analysis suggests a novel lineage of Archaea phylogenetically affiliated with Thermoplasmatales in human subgingival plaque. Anaerobe, 2012, 18, 373-377.	1.0	41
33	Survey of Antibiotic Resistance among Enterococci in North Rhine-Westphalia, Germany. Journal of Clinical Microbiology, 1999, 37, 1638-1641.	1.8	38
34	Diagnosis and anti-infective therapy of periodontitis. Expert Review of Anti-Infective Therapy, 2007, 5, 703-715.	2.0	36
35	Analysis of Bacterial Activity in Sound and Cariogenic Biofilm: A Pilot in vivo Study. Caries Research, 2016, 50, 480-488.	0.9	34
36	Simultaneous Detection of <i>Bacteroides forsythus</i> and <i>Prevotella intermedia</i> by 16S rRNA Gene-Directed Multiplex PCR. Journal of Clinical Microbiology, 1999, 37, 1621-1624.	1.8	34

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37	The Bactericidal Effect of Ho:YAG Laser Irradiation within Contaminated Root Dentinal Samples. <i>Photomedicine and Laser Surgery</i> , 2000, 18, 81-87.	1.1	33
38	Microflora associated with successful and failed orthodontic mini-implants. <i>Clinical Oral Implants Research</i> , 2009, 20, 1186-1190.	1.9	33
39	Clinical Periodontal and Microbiologic Parameters in Patients With Crohn's Disease With Consideration of the CARD15 Genotype. <i>Journal of Periodontology</i> , 2010, 81, 535-545.	1.7	33
40	Clinical Periodontal and Microbiologic Parameters in Patients With Acute Myocardial Infarction. <i>Journal of Periodontology</i> , 2009, 80, 1581-1589.	1.7	32
41	A genome-wide study of two-component signal transduction systems in eight newly sequenced mutans streptococci strains. <i>BMC Genomics</i> , 2012, 13, 128.	1.2	31
42	Dental composite materials containing carolacton inhibit biofilm growth of <i>Streptococcus mutans</i> . <i>Dental Materials</i> , 2013, 29, 1188-1199.	1.6	31
43	Genetic variability of mutans streptococci revealed by wide whole-genome sequencing. <i>BMC Genomics</i> , 2013, 14, 430.	1.2	31
44	Isolation and Bacteriocin-Related Typing of <i>Streptococcus dentisani</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 110.	1.8	28
45	Studies into the microbial spectrum of apical periodontitis. <i>International Endodontic Journal</i> , 1995, 28, 244-248.	2.3	27
46	The Bactericidal Effect of 2780 and 940 nm Laser Irradiation on <i>Enterococcus faecalis</i> in Bovine Root Dentin Slices of Different Thicknesses. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 11-16.	2.1	25
47	Quantification and characterization of <i>Synergistes</i> in endodontic infections. <i>Oral Microbiology and Immunology</i> , 2007, 22, 260-265.	2.8	24
48	A concerted probiotic activity to inhibit periodontitis-associated bacteria. <i>PLoS ONE</i> , 2021, 16, e0248308.	1.1	24
49	Taxonomic Update and Clinical Significance of Species Within the Genus <i>Peptostreptococcus</i> . <i>Clinical Infectious Diseases</i> , 1997, 25, S94-S97.	2.9	23
50	Relationship between methanogenic archaea and subgingival microbial complexes in human periodontitis. <i>Anaerobe</i> , 2015, 35, 10-12.	1.0	23
51	Biofunctionalized zinc peroxide (ZnO ₂) nanoparticles as active oxygen sources and antibacterial agents. <i>RSC Advances</i> , 2017, 7, 38998-39010.	1.7	23
52	Commentary: Health-Associated Niche Inhabitants as Oral Probiotics: The Case of <i>Streptococcus dentisani</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 340.	1.5	22
53	DNA Probes and Primers in Dental Practice. <i>Clinical Infectious Diseases</i> , 2002, 35, S72-S77.	2.9	21
54	Shifts in <i>Campylobacter</i> species abundance may reflect general microbial community shifts in periodontitis progression. <i>Journal of Oral Microbiology</i> , 2014, 6, 25874.	1.2	21

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55	Trends in antibiotic use and microbial diagnostics in periodontal treatment: comparing surveys of German dentists in a ten-year period. <i>Clinical Oral Investigations</i> , 2016, 20, 2203-2210.	1.4	21
56	Genetic Determinant of Intrinsic Quinolone Resistance in <i>Fusobacterium canifelinum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 434-437.	1.4	20
57	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 2 – clinical and microbiological parameters. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 560-565.	0.7	20
58	Biofunctionalized zinc peroxide nanoparticles inhibit peri-implantitis associated anaerobes and <i>Aggregatibacter actinomycetemcomitans</i> pH-dependent. <i>Anaerobe</i> , 2020, 62, 102153.	1.0	20
59	16S – 23S rRNA gene internal transcribed spacer sequences for analysis of the phylogenetic relationships among species of the genus <i>Porphyromonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 607-613.	0.8	19
60	Deep sequencing of biofilm microbiomes on dental composite materials. <i>Journal of Oral Microbiology</i> , 2019, 11, 1617013.	1.2	19
61	The Antimicrobial Susceptibility of <i>Porphyromonas gingivalis</i> : Genetic Repertoire, Global Phenotype, and Review of the Literature. <i>Antibiotics</i> , 2021, 10, 1438.	1.5	18
62	<i>Streptococcus tigurinus</i> is frequent among <i>gtfR</i> -negative <i>Streptococcus oralis</i> isolates and in the human oral cavity, but highly virulent strains are uncommon. <i>Journal of Oral Microbiology</i> , 2017, 9, 1307079.	1.2	17
63	The Impact of a 940-nm Diode Laser with Radial Firing Tip and Bare End Fiber Tip on <i>Enterococcus faecalis</i> in the Root Canal Wall Dentin of Bovine Teeth: An <i>In Vitro</i> Study. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 357-363.	2.1	17
64	Challenges of next-generation sequencing targeting anaerobes. <i>Anaerobe</i> , 2019, 58, 47-52.	1.0	17
65	Biomimetic in situ precipitation of calcium phosphate containing silver nanoparticles on zirconia ceramic materials for surface functionalization in terms of antimicrobial and osteoconductive properties. <i>Dental Materials</i> , 2021, 37, 10-18.	1.6	17
66	Non-radioactively labelled DNA probes for the detection of periodontopathogenic <i>Prevotella</i> and <i>Porphyromonas</i> species. <i>FEMS Immunology and Medical Microbiology</i> , 1993, 6, 115-120.	2.7	15
67	Optimized oligonucleotides for the differentiation of <i>Prevotella intermedia</i> and <i>Prevotella nigrescens</i> . <i>Oral Microbiology and Immunology</i> , 1997, 12, 117-120.	2.8	15
68	In Vitro Activities of Iodonium Salts against Oral and Dental Anaerobes. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2766-2770.	1.4	15
69	Global analysis of saliva as a source of bacterial genes for insights into human population structure and migration studies. <i>BMC Evolutionary Biology</i> , 2014, 14, 190.	3.2	14
70	SH3BP2-encoding exons involved in cherubism are not associated with central giant cell granuloma. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2011, 40, 851-855.	0.7	13
71	In vitro activity of gemifloxacin compared to seven other oral antimicrobial agents against aerobic and anaerobic pathogens isolated from antral sinus puncture specimens from patients with sinusitis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2002, 42, 113-118.	0.8	12
72	Early and mature biofilm on four different dental implant materials: An in vivo human study. <i>Clinical Oral Implants Research</i> , 2020, 31, 1094-1104.	1.9	12

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73	Flow cytometry to monitor phagocytosis and oxidative burst of anaerobic periodontopathogenic bacteria by human polymorphonuclear leukocytes. <i>Journal of Periodontal Research</i> , 1999, 34, 136-144.	1.4	11
74	Tâ€RFLPâ€based differences in oral microbial communities as risk factor for development of oral diseases under stress. <i>Environmental Microbiology Reports</i> , 2012, 4, 390-397.	1.0	11
75	Experimental peri-implant mucositis around titanium and zirconia implants in comparison to a natural tooth: part 1â€host-derived immunological parameters. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 554-559.	0.7	11
76	Sex-specific differences in the occurrence of <i>Fusobacterium nucleatum</i> subspecies and <i>Fusobacterium periodonticum</i> in the oral cavity. <i>Oncotarget</i> , 2018, 9, 20631-20639.	0.8	11
77	DNA-probes for the differentiation of <i>Capnocytophaga</i> species. <i>Molecular and Cellular Probes</i> , 1997, 11, 323-328.	0.9	10
78	Nonsurgical Periodontal Treatment Options and Their Impact on Subgingival Microbiota. <i>Journal of Clinical Medicine</i> , 2022, 11, 1187.	1.0	10
79	In Vitro Activities of ABT-773, a New Ketolide, against Aerobic and Anaerobic Pathogens Isolated from Antral Sinus Puncture Specimens from Patients with Sinusitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2363-2367.	1.4	9
80	Complementary retrieval of 16S rRNA gene sequences using broad-range primers with inosine at the 3' end-terminus: implications for the study of microbial diversity. <i>FEMS Microbiology Ecology</i> , 2010, 71, 157-167.	1.3	9
81	Natural saliva as an adjuvant in a secondary caries model based on <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2018, 90, 138-143.	0.8	9
82	Monoclonal Antibodies Against Integrin Subunits $\alpha 6$ and $\beta 1$ Inhibit Migration of Gingival Epithelium in Organ Culture. <i>Journal of Periodontology</i> , 1999, 70, 388-393.	1.7	8
83	Bactericidal effect of 445-nm blue diode laser in the root canal dentin on <i>Enterococcus faecalis</i> of human teeth. <i>Lasers in Dental Science</i> , 2018, 2, 247-254.	0.3	8
84	<i>Bacteroides</i> , <i>Porphyromonas</i> , <i>Prevotella</i> , <i>Fusobacterium</i> , and Other Anaerobic Gram-Negative Rods. , 0, , 967-993.		8
85	Antimicrobial Impact of Different Air-Polishing Powders in a Subgingival Biofilm Model. <i>Antibiotics</i> , 2021, 10, 1464.	1.5	8
86	<title>Bactericidal effect of the Nd:YAG lasers in laser-supported curettage</title>. , 1997, , .		7
87	Dental Problems and Emergencies of Trekkersâ€Epidemiology and Prevention. Results of the ADEMED Expedition 2008. <i>High Altitude Medicine and Biology</i> , 2014, 15, 39-45.	0.5	7
88	Analysis of relative bacterial activity and lactate dehydrogenase gene expression of caries-associated bacteria in a site-specific natural biofilm: an ex vivo study. <i>Clinical Oral Investigations</i> , 2021, 25, 3669-3679.	1.4	7
89	Molecular Cloning and Nucleotide Sequence of the Group B Streptococcal Hemolysin. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1991, 275, 179-184.	0.5	6
90	Nucleotide sequences of 16S rRNA encoding genes from <i>Capnocytophaga ochracea</i> ATCC 33596, <i>Capnocytophaga sputigena</i> ATCC 33612 and <i>Capnocytophaga gingivalis</i> ATCC 33624. <i>Nucleic Acids Research</i> , 1992, 20, 5847-5847.	6.5	6

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91	Testing for Marker Bacteria In Progressive Periodontitis: The European Experience. <i>Infectious Diseases in Clinical Practice</i> , 2001, 10, 481-487.	0.1	6
92	Cryptic <i>Streptococcus mutans</i> 5.6-kb plasmids encode a toxin-antitoxin system for plasmid stabilization. <i>Journal of Oral Microbiology</i> , 2013, 5, 19729.	1.2	6
93	Evaluation of Restorative Materials Containing Preventive Additives in a Secondary Caries Model in vitro. <i>Caries Research</i> , 2019, 53, 447-456.	0.9	6
94	Oral anaerobes in health and disease. <i>Anaerobe</i> , 2015, 35, 1-2.	1.0	5
95	Short-term effects of systemic antibiotics during periodontal healing. <i>Quintessence International</i> , 2010, 41, 303-12.	0.3	5
96	The Effect of Toothpastes Containing Natural Extracts on Bacterial Species of a Microcosm Biofilm and on Enamel Caries Development. <i>Antibiotics</i> , 2022, 11, 414.	1.5	5
97	<i>Neisseria meningitidis</i> serogroup B peritonitis associated with continuous ambulatory peritoneal dialysis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1998, 17, 341-343.	1.3	4
98	Evaluation of the bactericidal effect of cold atmospheric pressure plasma on contaminated human bone: an in vitro study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2020, 58, 329-333.	0.4	4
99	The Effect of Solutions Containing Extracts of <i>Vochysia tucanorum</i> , <i>Mart.</i> , <i>Myrcia bella</i> , <i>Cambess.</i> , <i>Matricaria chamomilla</i> , <i>L.</i> and <i>Malva sylvestris</i> on Cariogenic Bacterial Species and Enamel Caries Development. <i>Caries Research</i> , 2021, 55, 193-204.	0.9	4
100	Funktionelle Isoeugenol-modifizierte Nanogel-Beschichtungen für biologische Grenzflächen. <i>Angewandte Chemie</i> , 2017, 129, 2537-2543.	1.6	3
101	Correlation between relative bacterial activity and lactate dehydrogenase gene expression of co-cultures in vitro. <i>Clinical Oral Investigations</i> , 2019, 23, 1225-1235.	1.4	3
102	A New Species-Specific Typing Method for <i>Salivarius</i> Group <i>Streptococci</i> Based on the Dephospho-Coenzyme A Kinase (coaE) Gene Sequencing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 685657.	1.8	3
103	Impact of Three Nonsurgical, Full-Mouth Periodontal Treatments on Total Bacterial Load and Selected Pathobionts. <i>Antibiotics</i> , 2022, 11, 686.	1.5	3
104	Effect of diode laser radiation in root canal wall dentine: a microbiological study. , 2000, , .		2
105	<i>Neisseria meningitidis</i> Serogroup B Peritonitis Associated with Continuous Ambulatory Peritoneal Dialysis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1998, 17, 341-343.	1.3	2
106	Isoeugenol-functionalized nanogels inhibit peri-implantitis associated bacteria in vitro. <i>Anaerobe</i> , 2022, , 102552.	1.0	2
107	Functional isoeugenol-modified nanogel coatings for implants. <i>Journal of Oral Microbiology</i> , 2017, 9, 1325239.	1.2	1
108	Oligonucleotides facilitating the diagnosis of oral and odontogenic infections. <i>Reviews in Medical Microbiology</i> , 1997, 8, S19.	0.4	0

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109	The application of flow cytometry to study phagocytosis resistance among anaerobes. Reviews in Medical Microbiology, 1997, 8, S100.	0.4	0
110	Oral and Intestinal Bacteroidetes. , 2013, , 87-106.		0
111	Current Molecular Technologies for Assessing the Amount of Microbial Pathogens in Oral Plaque Biofilms. , 2010, , 64-82.		0
112	In vivo caries inhibition after CO2 laser irradiation at 10.6 micronm. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2012, , S133-..	0.7	0