

# Jrg Eberhard

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

1,980  
citations

28  
h-index

41  
g-index

102  
ext. papers

2,337  
ext. citations

4.4  
avg, IF

4.61  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 93 | Epidemiology and risk factors of peri-implantitis: A systematic review. <i>Journal of Periodontal Research</i> , <b>2018</b> , 53, 657-681  | 4.3  | 140       |
| 92 | Efficacy of subgingival calculus removal with Er:YAG laser compared to mechanical debridement: an in situ study. <i>Journal of Clinical Periodontology</i> , <b>2003</b> , 30, 511-8  | 7.7  | 104       |
| 91 | A systematic review of guided tissue regeneration for periodontal furcation defects. What is the effect of guided tissue regeneration compared with surgical debridement in the treatment of furcation defects?. <i>Journal of Clinical Periodontology</i> , <b>2002</b> , 29 Suppl 3, 103-16; discussion 160-2 | 7.7  | 103       |
| 90 | Calculus removal and the prevention of its formation. <i>Periodontology 2000</i> , <b>2011</b> , 55, 167-88   | 12.9 | 83        |
| 89 | Validation of reported genetic risk factors for periodontitis in a large-scale replication study. <i>Journal of Clinical Periodontology</i> , <b>2013</b> , 40, 563-72  | 7.7  | 68        |
| 88 | Full-mouth treatment concepts for chronic periodontitis: a systematic review. <i>Journal of Clinical Periodontology</i> , <b>2008</b> , 35, 591-604   | 7.7  | 58        |
| 87 | Evaluation of selective caries removal by a fluorescence feedback-controlled Er:YAG laser in vitro. <i>Caries Research</i> , <b>2005</b> , 39, 496-504  | 4.2  | 58        |
| 86 | Probiotics affect the clinical inflammatory parameters of experimental gingivitis in humans. <i>European Journal of Clinical Nutrition</i> , <b>2011</b> , 65, 857-63   | 5.2  | 55        |
| 85 | Antimicrobial dental implant functionalization strategies -A systematic review. <i>Dental Materials Journal</i> , <b>2016</b> , 35, 545-58  | 2.5  | 50        |
| 84 | Alloying colloidal silver nanoparticles with gold disproportionally controls antibacterial and toxic effects. <i>Gold Bulletin</i> , <b>2014</b> , 47, 83-93  | 1.6  | 45        |
| 83 | Flowable materials as an intermediate layer could improve the marginal and internal adaptation of composite restorations in Class-V-cavities. <i>Dental Materials</i> , <b>2006</b> , 22, 250-7   | 5.7  | 44        |
| 82 | Interaction between periodontal disease and atherosclerotic vascular disease--Fact or fiction?. <i>Atherosclerosis</i> , <b>2015</b> , 241, 555-60  | 3.1  | 43        |
| 81 | Serum albumin reduces the antibacterial and cytotoxic effects of hydrogel-embedded colloidal silver nanoparticles. <i>RSC Advances</i> , <b>2012</b> , 2, 7190  | 3.7  | 43        |
| 80 | Functional characterization of Escherichia coli DNA adenine methyltransferase, a novel target for antibiotics. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 52075-81   | 5.4  | 41        |
| 79 | Immune regulatory functions of human beta-defensin-2 in odontoblast-like cells. <i>International Endodontic Journal</i> , <b>2007</b> , 40, 300-7   | 5.4  | 40        |
| 78 | Experimental gingivitis induces systemic inflammatory markers in young healthy individuals: a single-subject interventional study. <i>PLoS ONE</i> , <b>2013</b> , 8, e55265  | 3.7  | 37        |
| 77 | Evaluation of selective calculus removal by a fluorescence feedback-controlled Er:YAG laser in vitro. <i>Journal of Clinical Periodontology</i> , <b>2007</b> , 34, 66-71   | 7.7  | 35        |

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|----|---|-----|----|
| 76 | Pyrosequencing of supra- and subgingival biofilms from inflamed peri-implant and periodontal sites. <i>BMC Oral Health</i> , <b>2014</b> , 14, 157  | 3.7 | 33 |
| 75 | The stage of native biofilm formation determines the gene expression of human beta-defensin-2, psoriasin, ribonuclease 7 and inflammatory mediators: a novel approach for stimulation of keratinocytes with in situ formed biofilms. <i>Oral Microbiology and Immunology</i> , <b>2008</b> , 23, 21-8 |     | 33 |
| 74 | Significant influence of scaler tip design on root substance loss resulting from ultrasonic scaling: a laserprofilometric in vitro study. <i>Journal of Clinical Periodontology</i> , <b>2004</b> , 31, 1003-6  | 7.7 | 33 |
| 73 | Interleukin-1 gene polymorphisms and experimental gingivitis. <i>Journal of Clinical Periodontology</i> , <b>2003</b> , 30, 102-6   | 7.7 | 33 |
| 72 | Fluorescence-controlled Er:YAG laser for caries removal in permanent teeth: a randomized clinical trial. <i>European Journal of Oral Sciences</i> , <b>2008</b> , 116, 170-6  | 2.3 | 32 |
| 71 | Local application of n-3 or n-6 polyunsaturated fatty acids in the treatment of human experimental gingivitis. <i>Journal of Clinical Periodontology</i> , <b>2002</b> , 29, 364-9  | 7.7 | 32 |
| 70 | Full-mouth disinfection for the treatment of adult chronic periodontitis. <i>Cochrane Database of Systematic Reviews</i> , <b>2008</b> , CD004622   |     | 31 |
| 69 | Laser fluorescence measurements compared to electrical resistance of residual dentine in excavated cavities in vivo. <i>Caries Research</i> , <b>2007</b> , 41, 135-40  | 4.2 | 31 |
| 68 | Full-mouth treatment modalities (within 24 hours) for chronic periodontitis in adults. <i>The Cochrane Library</i> , <b>2015</b> , CD004622   | 5.2 | 30 |
| 67 | Metagenomic analysis of the peri-implant and periodontal microflora in patients with clinical signs of gingivitis or mucositis. <i>Clinical Oral Investigations</i> , <b>2012</b> , 16, 843-50  | 4.2 | 29 |
| 66 | Cavity size difference after caries removal by a fluorescence-controlled Er:YAG laser and by conventional bur treatment. <i>Clinical Oral Investigations</i> , <b>2008</b> , 12, 311-8  | 4.2 | 29 |
| 65 | Composition of microbial oral biofilms during maturation in young healthy adults. <i>PLoS ONE</i> , <b>2014</b> , 9, e87449   | 3.7 | 25 |
| 64 | Keratinized mucosa width is associated with severity of peri-implant mucositis. A cross-sectional study. <i>Clinical Oral Implants Research</i> , <b>2019</b> , 30, 457-465   | 4.8 | 24 |
| 63 | Quantitation of arachidonic acid metabolites in small tissue biopsies by reversed-phase high-performance liquid chromatography. <i>Analytical Biochemistry</i> , <b>2000</b> , 280, 258-63  | 3.1 | 24 |
| 62 | Improvement of biological age by physical activity. <i>International Journal of Cardiology</i> , <b>2014</b> , 176, 1187-93.2   |     | 23 |
| 61 | SLC23A1 polymorphism rs6596473 in the vitamin C transporter SVCT1 is associated with aggressive periodontitis. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 531-40   | 7.7 | 21 |
| 60 | SELDI-TOF-MS of gingival crevicular fluid--a methodological approach. <i>Archives of Oral Biology</i> , <b>2009</b> , 54, 803-9   | 2.8 | 21 |
| 59 | The immune response of oral epithelial cells induced by single-species and complex naturally formed biofilms. <i>Oral Microbiology and Immunology</i> , <b>2009</b> , 24, 325-30  |     | 21 |

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|----|--|------|----|
| 58 | Therapeutic Window of Ligand-Free Silver Nanoparticles in Agar-Embedded and Colloidal State: In Vitro Bactericidal Effects and Cytotoxicity. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, B231-B239                           | 3.5  | 20 |
| 57 | Platelet-activating factor levels of serum and gingival crevicular fluid in nonsmoking patients with periodontitis and/or coronary heart disease. <i>Clinical Oral Investigations</i> , <b>2010</b> , 14, 629-36                           | 4.2  | 20 |
| 56 | The association of periodontal disease with the complications of diabetes mellitus. A systematic review. <i>Diabetes Research and Clinical Practice</i> , <b>2020</b> , 165, 108244  | 7.4  | 19 |
| 55 | Biochemical and morphological analysis of dentin following selective caries removal with a fluorescence-controlled Er:YAG laser. <i>Lasers in Surgery and Medicine</i> , <b>2008</b> , 40, 350-7   | 3.6  | 19 |
| 54 | Digital subtraction radiography for monitoring dental demineralization. An in vitro study. <i>Caries Research</i> , <b>2000</b> , 34, 219-24   | 4.2  | 19 |
| 53 | Evaluation of selective caries removal in deciduous teeth by a fluorescence feedback-controlled Er:YAG laser in vivo. <i>Clinical Oral Investigations</i> , <b>2008</b> , 12, 209-15   | 4.2  | 17 |
| 52 | Diagnostic performance of swab PCR as an alternative to tissue culture methods for diagnosing infections associated with fracture fixation devices. <i>Injury</i> , <b>2016</b> , 47, 1421-6   | 2.5  | 17 |
| 51 | Immunolocalization of lactoferrin in healthy and inflamed gingival tissues. <i>Journal of Periodontology</i> , <b>2006</b> , 77, 472-8   | 4.6  | 16 |
| 50 | Periodontal parameters and platelet-activating factor levels in serum and gingival crevicular fluid in a Chinese population. <i>Journal of Clinical Periodontology</i> , <b>2006</b> , 33, 797-802   | 7.7  | 16 |
| 49 | Streptococcus mitis and Gemella haemolysans were simultaneously found in atherosclerotic and oral plaques of elderly without periodontitis-a pilot study. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 447-452                  | 4.2  | 15 |
| 48 | Poor dietary intake of nutrients and food groups are associated with increased risk of periodontal disease among community-dwelling older adults: a systematic literature review. <i>Nutrition Reviews</i> , <b>2020</b> , 78, 175-188     | 6.4  | 15 |
| 47 | Expression of antimicrobial peptides and interleukin-8 during early stages of inflammation: An experimental gingivitis study. <i>Journal of Periodontal Research</i> , <b>2015</b> , 50, 836-45  | 4.3  | 14 |
| 46 | Moderate and severe periodontitis are independent risk factors associated with low cardiorespiratory fitness in sedentary non-smoking men aged between 45 and 65 years. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 31-7 | 7.7  | 13 |
| 45 | The effect of the topical administration of bioactive glass on inflammatory markers of human experimental gingivitis. <i>Biomaterials</i> , <b>2005</b> , 26, 1545-51  | 15.6 | 13 |
| 44 | Phosphatidylinositol-3-kinase inhibitor LY 294002 blocks Streptococcus mutans-induced interleukin (IL)-6 and IL-8 gene expression in odontoblast-like cells. <i>International Endodontic Journal</i> , <b>2008</b> , 41, 763-714           | 5.4  | 12 |
| 43 | Heat shock induces the synthesis of the inflammatory mediator leukotriene B4 in human pulp cells. <i>International Endodontic Journal</i> , <b>2005</b> , 38, 882-8  | 5.4  | 11 |
| 42 | Periodontal Therapy for Improving Lipid Profiles in Patients with Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,                                  | 6.3  | 10 |
| 41 | Health- and disease-associated species clusters in complex natural biofilms determine the innate immune response in oral epithelial cells during biofilm maturation. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 360, 137-43          | 2.9  | 10 |

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|----|---|-----|----|
| 40 | Development of a peri-implantitis model in the rat. <i>Clinical Oral Implants Research</i> , <b>2020</b> , 31, 203-214  | 4.8 | 10 |
| 39 | The effect of adjuvant oral irrigation on self-administered oral care in the management of peri-implant mucositis: A randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , <b>2020</b> , 31, 946-958   | 4.8 | 10 |
| 38 | The Peri-Implant and Periodontal Microbiota in Patients with and without Clinical Signs of Inflammation. <i>Dentistry Journal</i> , <b>2015</b> , 3, 24-42  | 3.1 | 9  |
| 37 | Transcriptome-Wide High-Density Microarray Analysis Reveals Differential Gene Transcription in Periprosthetic Tissue From Hips With Chronic Periprosthetic Joint Infection vs Aseptic Loosening. <i>Journal of Arthroplasty</i> , <b>2017</b> , 32, 234-240                   | 4.4 | 8  |
| 36 | 16S rDNA-based metagenomic analysis of human oral plaque microbiota in patients with atherosclerosis and healthy controls. <i>Indian Journal of Medical Microbiology</i> , <b>2012</b> , 30, 462-6  | 1.3 | 8  |
| 35 | Cloning, sequence analysis and heterologous expression of the DNA adenine-(N(6)) methyltransferase from the human pathogen <i>Actinobacillus actinomycetemcomitans</i> . <i>FEMS Microbiology Letters</i> , <b>2001</b> , 195, 223-9  | 2.9 | 8  |
| 34 | Effect of growth factors on antimicrobial peptides and pro-inflammatory mediators during wound healing. <i>Clinical Oral Investigations</i> , <b>2015</b> , 19, 209-20  | 4.2 | 7  |
| 33 | Bacterial challenge stimulates formation of arachidonic acid metabolites by human keratinocytes and neutrophils in vitro. <i>Vaccine Journal</i> , <b>2002</b> , 9, 132-7   |     | 7  |
| 32 | In Vitro Effects of Biofilm on Peri-Implant Soft Tissue Cells. <i>Cells</i> , <b>2020</b> , 9,  | 7.9 | 5  |
| 31 | Cysteine proteases from <i>Porphyromonas gingivalis</i> and TLR ligands synergistically induce the synthesis of the cytokine IL-8 in human artery endothelial cells. <i>Archives of Oral Biology</i> , <b>2011</b> , 56, 1583-91 <sup>2,8</sup>                               |     | 5  |
| 30 | A review of the hours dedicated to oral health education in medical programmes across Australia. <i>Internal Medicine Journal</i> , <b>2018</b> , 48, 1035-1040   | 1.6 | 5  |
| 29 | Automatic detection of periodontitis using intra-oral images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2017</b> , 2017, 3906-3909 | 0.9 | 4  |
| 28 | Probing depth is an independent risk factor for HbA1c levels in diabetic patients under physical training: a cross-sectional pilot-study. <i>BMC Oral Health</i> , <b>2018</b> , 18, 46   | 3.7 | 4  |
| 27 | Higher sensitivity of swab polymerase chain reaction compared with tissue cultures for diagnosing periprosthetic joint infection. <i>Journal of Orthopaedic Surgery</i> , <b>2018</b> , 26, 2309499018765296  | 1.4 | 4  |
| 26 | Non-invasive in vivo imaging by confocal laser scanning microscopy of gingival tissues following natural plaque deposition. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 321-6   | 7.7 | 4  |
| 25 | The oral cavity is not a primary source for implantable pacemaker or cardioverter defibrillator infections. <i>Journal of Cardiothoracic Surgery</i> , <b>2013</b> , 8, 73  | 1.6 | 4  |
| 24 | Changes in the periodontal membrane due to apical periodontitis. <i>Journal of Endodontics</i> , <b>1999</b> , 25, 486-9.7  |     | 4  |
| 23 | Evaluation of biofilm colonization on multi-part dental implants in a rat model. <i>BMC Oral Health</i> , <b>2021</b> , 21, 313   | 3.7 | 4  |

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|----|---|-----|---|
| 22 | Sucrose and starch intake contribute to reduced alveolar bone height in a rodent model of naturally occurring periodontitis. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212796   | 3.7 | 3 |
| 21 | Evaluation of FTA $\square$ paper for storage of oral meta-genomic DNA. <i>Biopreservation and Biobanking</i> , <b>2014</b> , 12, 337-42  | 2.1 | 3 |
| 20 | Differential epithelial cell response upon stimulation with the Aggregatibacter actinomycetemcomitans strains VT 1169, VT 1560 DAM? and ATCC 4318. <i>Epigenetics</i> , <b>2010</b> , 5, 710-5  | 5.7 | 3 |
| 19 | The intermediate effect and the diagnostic accuracy in clinical case recall of students and experts in dental medicine. <i>European Journal of Dental Education</i> , <b>2009</b> , 13, 128-34  | 2.5 | 3 |
| 18 | The role of pathophysiological explanations in clinical case representations of dental students and experts. <i>European Journal of Dental Education</i> , <b>2009</b> , 13, 58-65  | 2.5 | 3 |
| 17 | General health benefits from good oral health. <i>Australian Dental Journal</i> , <b>2019</b> , 64, 199-200   | 2.3 | 3 |
| 16 | Role of PDGF-A/B Ligands in Cardiac Repair After Myocardial Infarction. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 669188  | 5.7 | 3 |
| 15 | Plaque removing capacity of a novel high pressure water irrigator. <i>American Journal of Dentistry</i> , <b>2004</b> , 17, 199-202   | 1.3 | 3 |
| 14 | Leukotriene A(4)-hydrolase expression and leukotriene B(4) levels in chronic inflammation of bacterial origin: immunohistochemistry and reverse-phase high-performance liquid chromatography analysis of oral mucosal epithelium. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , <b>2002</b> , 440, 627-34 | 5.1 | 2 |
| 13 | HAUCA Curves for the Evaluation of Biomarker Pilot Studies with Small Sample Sizes and Large Numbers of Features. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 356-367  | 0.9 | 2 |
| 12 | Periodontitis induces endothelial dysfunction in mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 14993  | 4.9 | 2 |
| 11 | The nutrition for healthy living study: A randomised clinical trial assessing the effect of protein sources on healthy ageing. <i>Nutrition and Healthy Aging</i> , <b>2019</b> , 5, 43-51  | 1.3 | 1 |
| 10 | Effects of six month personalized endurance training on work ability in middle-aged sedentary women: a secondary analysis of a randomized controlled trial. <i>Journal of Occupational Medicine and Toxicology</i> , <b>2020</b> , 15, 8  | 2.7 | 1 |
| 9  | Chlorhexidine versus topical fluoride treatment for the prevention and management of dental caries in children and adolescents <b>2012</b> ,  |     | 1 |
| 8  | Use of ultrafast computed tomography in dental surgery: a case report. <i>Dental Traumatology</i> , <b>1995</b> , 11, 297-300   | 4.5 | 1 |
| 7  | A randomised clinical trial to investigate the effect of dietary protein sources on periodontal health.. <i>Journal of Clinical Periodontology</i> , <b>2021</b> ,  | 7.7 | 1 |
| 6  | DIFFERENTIAL IMPACT OF PERIODONTAL TREATMENT STRATEGIES DURING PREGNANCY ON PERINATAL OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS.. <i>Journal of Evidence-based Dental Practice</i> , <b>2022</b> , 22, 101666   | 1.9 | 1 |
| 5  | Reduction of hsCRP levels following an Oral Health Education Program combined with routine dental treatment. <i>Journal of Dentistry</i> , <b>2021</b> , 110, 103686  | 4.8 | 1 |

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|---|--|-----|---|
| 4 | The Effect of a Personalized Oral Health Education Program on Periodontal Health in an At-Risk Population: A Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18, | 4.6 | 1 |
| 3 | Oral health and cardiometabolic disease: understanding the relationship.. <i>Internal Medicine Journal</i> , <b>2022</b> , 52, 198-205   | 1.6 | 1 |
| 2 | Are Inflamed Periodontal Tissues Endogenous Source of Advanced Glycation End-Products (AGEs) in Individuals with and without Diabetes Mellitus? A Systematic Review. <i>Biomolecules</i> , <b>2022</b> , 12, 642                       | 5.9 | 0 |
| 1 | Mass media campaigns for the promotion of oral health: a scoping review.. <i>BMC Oral Health</i> , <b>2022</b> , 22, 182   | 3.7 |   |