Rainer Haak

List of Publications by Year in descending order

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130 papers	2,214 citations	218677 26 h-index	37 g-index
138	138	138	2456
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A video―and feedbackâ€based approach to teaching communication skills in undergraduate clinical dental education: The student perspective. European Journal of Dental Education, 2022, 26, 138-146.	2.0	7
2	Evaluation of quantitative light-induced fluorescence to assess lesion depth in cavitated and non-cavitated root caries lesions – An in vitro study. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102675.	2.6	3
3	Orofacial conditions and oral health behavior of young athletes: A comparison of amateur and competitive sports. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 903-912.	2.9	6
4	Association of Oral Health Conditions in Adolescents with Social Factors and Obesity. International Journal of Environmental Research and Public Health, 2022, 19, 2905.	2.6	7
5	Clinical and OCT assessment of application modes of a universal adhesive in a 12-month RCT. Journal of Dentistry, 2022, 119, 104068.	4.1	5
6	Knowledge of undergraduate dental students regarding management of caries lesions. BDJ Open, 2022, 8, 9.	2.1	1
7	How do carious root lesions develop after the end of professional preventive measures?—Preliminary findings of a randomized clinical trial. Odontology / the Society of the Nippon Dental University, 2022, , 1.	1.9	O
8	PRISM (Pictorial Representation of Illness and Self-Measure) as Visual Tool to Support Oral Health Education Prior to Endoprosthetic Joint Replacementâ€"A Novel Approach in Dentistry. Journal of Clinical Medicine, 2022, 11, 2508.	2.4	4
9	One Third of Patients before Endoprosthesis Implantation Show an Oral Focus as Potential Source of Infectious Complication—The Value of Pre-Operative Dental Risk Stratification in a German Cohort. Journal of Clinical Medicine, 2022, 11, 3686.	2.4	8
10	Evaluation of a questionnaireâ€based diabetes screening concept in German patients with Stage III or IV periodontitis: A practiceâ€based study. Journal of Periodontology, 2021, 92, 1163-1170.	3.4	2
11	Evaluation of low-viscosity bulk-fill composites regarding marginal and internal adaptation. Odontology / the Society of the Nippon Dental University, 2021, 109, 139-148.	1.9	9
12	OCT evaluation of the internal adaptation of ceramic veneers depending on preparation design and ceramic thickness. Dental Materials, 2021, 37, 423-431.	3.5	9
13	High resolution threeâ€dimensional imaging and measurement of lung, heart, liver, and diaphragmatic development in the fetal rat based on microâ€computed tomography (microâ€CT). Journal of Anatomy, 2021, 238, 1042-1054.	1.5	7
14	Midgut development in rat embryos using microcomputed tomography. Communications Biology, 2021, 4, 190.	4.4	7
15	Antibacterial effect of a brominated self-etch adhesive on carious dentin - An in vivo study. Journal of Dentistry, 2021, 105, 103555.	4.1	1
16	Shared Genetic and Epigenetic Mechanisms between the Osteogenic Differentiation of Dental Pulp Stem Cells and Bone Marrow Stem Cells. BioMed Research International, 2021, 2021, 1-25.	1.9	17
17	Oral health-related quality of life in patients with heart failure and left ventricular assist devices—results of a cross-sectional study. Clinical Oral Investigations, 2021, 25, 5879-5887.	3.0	2
18	Deep Learning Reveals Key Immunosuppression Genes and Distinct Immunotypes in Periodontitis. Frontiers in Genetics, 2021, 12, 648329.	2.3	12

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19	Detection of Inflammatory and Homeostasis Biomarkers after Selective Removal of Carious Dentinâ€"An In Vivo Feasibility Study. Journal of Clinical Medicine, 2021, 10, 1003.	2.4	3
20	Shared Molecular Mechanisms between Alzheimer's Disease and Periodontitis Revealed by Transcriptomic Analysis. BioMed Research International, 2021, 2021, 1-22.	1.9	12
21	Light-based diagnostic methods for the in vivo assessment of initial caries lesions: Laser fluorescence, QLF and OCT. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102270.	2.6	5
22	Arrest of root caries with an adjuvant chlorhexidineâ€"fluoride varnish over a 12-months observation period: a QLF-analyzed, placebo-controlled, randomized, clinical trial (RCT). Odontology / the Society of the Nippon Dental University, 2021, , 1.	1.9	3
23	The Effect of Solutions Containing Extracts of <i>Vochysia tucanorum</i> Mart., <i>Matricaria chamomilla</i> Alt. on Cariogenic Bacterial Species and Enamel Caries Development. Caries Research. 2021. 55. 193-204.	2.0	4
24	Assessibility of different CAD/CAM ceramics with optical coherence tomography. Journal of Dentistry, 2021, 114, 103836.	4.1	7
25	Analysis of Weighted Fraction of Length for Interfacial Gap in Cervical Composite Restorations as a Function of the Number of B-Scans of OCT Volume Scans. Applied Sciences (Switzerland), 2021, 11, 10285.	2.5	1
26	Shared Molecular Mechanisms between Atherosclerosis and Periodontitis by Analyzing the Transcriptomic Alterations of Peripheral Blood Monocytes. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-28.	1.3	8
27	Is There an Association Between Clinical and SEM Quantitative Marginal Analysis in a 90-month Trial?. Journal of Adhesive Dentistry, 2021, 23, 37-46.	0.5	3
28	Effect of a bioactive cement on the microbial community in carious dentin after selective caries removal $\hat{a}\in$ An in-vivo study. Journal of Dentistry, 2020, 92, 103264.	4.1	9
29	An Intraoral OCT Probe to Enhanced Detection of Approximal Carious Lesions and Assessment of Restorations. Journal of Clinical Medicine, 2020, 9, 3257.	2.4	14
30	Evaluation of an educational concept for risk-oriented prevention in undergraduate dental education. BMC Medical Education, 2020, 20, 298.	2.4	5
31	Identification of miRNAs as the Crosstalk in the Interaction between Neural Stem/Progenitor Cells and Endothelial Cells. Disease Markers, 2020, 2020, 1-29.	1.3	2
32	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 459-465.	2.0	24
33	Associated factors to caries experience of children undergoing general anaesthesia and treatment needs characteristics over a 10Âyear period. BMC Oral Health, 2020, 20, 307.	2.3	1
34	Dental and Periodontal Treatment Need after Dental Clearance Is Not Associated with the Outcome of Induction Therapy in Patients with Acute Leukemia: Results of a Retrospective Pilot Study. Advances in Hematology, 2020, 2020, 1-7.	1.0	2
35	Comprehensive Assessment of Orofacial Health and Disease Related Parameters in Adolescents with Juvenile Idiopathic Arthritis—A Cross-Sectional Study. Journal of Clinical Medicine, 2020, 9, 513.	2.4	8
36	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 297-305.	2.0	59

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37	How to intervene in the caries process in adults: proximal and secondary caries? An EFCD-ORCA-DGZ expert Delphi consensus statement. Clinical Oral Investigations, 2020, 24, 3315-3321.	3.0	27
38	Disease activity, morning stiffness and missing teeth are associated with oral health-related quality of life in individuals with rheumatoid arthritis. Clinical Oral Investigations, 2020, 24, 3559-3566.	3.0	9
39	Oral health-related quality of life of patients after heart transplantation and those with heart failure is associated with general health-related quality of life: a cross-sectional study. Quality of Life Research, 2020, 29, 1621-1630.	3.1	6
40	Oral health and dental behaviour of patients with left ventricular assist device: a crossâ€sectional study. ESC Heart Failure, 2020, 7, 1273-1281.	3.1	6
41	Assessment of non-cavitated root caries lesions by quantitative light-induced fluorescence—An in vivo feasibility study. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101671.	2.6	3
42	Lack in Periodontal Care of Patients Suffering from Severe Heart Diseasesâ€"Results after 12 Months Follow-Up. Journal of Clinical Medicine, 2020, 9, 352.	2.4	11
43	Dental and Medical Service Utilisation in a German Population - Findings of the LIFE-Adult-Study. Oral Health & Enternative Dentistry, 2020, 18, 921-928.	0.5	0
44	Effectiveness of caries-preventing agents on initial carious lesions within the scope of orthodontic therapy. Korean Journal of Orthodontics, 2019, 49, 246.	2.3	7
45	Molecular mechanisms linking peri-implantitis and type 2 diabetes mellitus revealed by transcriptomic analysis. PeerJ, 2019, 7, e7124.	2.0	22
46	Clinical and OCT outcomes of a universal adhesive in a randomized clinical trial after 12 months. Journal of Dentistry, 2019, 90, 103200.	4.1	36
47	The molecular differences between human papillomavirus-positive and -negative oropharyngeal squamous cell carcinoma: A bioinformatics study. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2019, 40, 547-554.	1.3	5
48	Molecular characterization of intact cell-derived and cell-free bacterial DNA from carious dentine samples. Journal of Microbiological Methods, 2019, 158, 33-43.	1.6	5
49	Insufficient Oral Behaviour and the High Need for Periodontal Treatment in Patients with Heart Insufficiency and after Heart Transplantation: A Need for Special Care Programs?. Journal of Clinical Medicine, 2019, 8, 1668.	2.4	14
50	Stress-related hormones in association with periodontal condition in adolescentsâ€"results of the epidemiologic LIFE Child study. Clinical Oral Investigations, 2019, 23, 1793-1802.	3.0	3
51	Internal and marginal adaptation of high-viscosity bulk-fill composites in class II cavities placed with different adhesive strategies. Odontology / the Society of the Nippon Dental University, 2019, 107, 374-382.	1.9	19
52	Visualization of the pulp chamber roof and residual dentin thickness by spectral-domain optical coherence tomography in vitro. Lasers in Medical Science, 2019, 34, 973-980.	2.1	8
53	Evaluation of calculus imaging on root surfaces by spectral-domain optical coherence tomography. Photodiagnosis and Photodynamic Therapy, 2019, 25, 275-279.	2.6	5
54	Is Optical Coherence Tomography a Potential Tool to Evaluate Marginal Adaptation of Class III/IV Composite Restorations In Vivo?. Operative Dentistry, 2019, 44, 242-253.	1.2	14

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55	MMP-8 and TIMP-1 are associated to periodontal inflammation in patients with rheumatoid arthritis under methotrexate immunosuppression $\hat{a} \in \text{``First results of a cross-sectional study. Journal of Microbiology, Immunology and Infection, 2019, 52, 386-394.}$	3.1	20
56	Handheld OCT probe for intraoral diagnosis on teeth. , 2019, , .		2
57	Integrated analysis of long noncoding RNAâ€associated competing endogenous RNA network in periodontitis. Journal of Periodontal Research, 2018, 53, 495-505.	2.7	46
58	X-ray micro-computed-tomography in pediatric surgery: a new tool for studying embryos. Pediatric Surgery International, 2018, 34, 297-305.	1.4	5
59	Association between the time after transplantation and different immunosuppressive medications with dental and periodontal treatment need in patients after solid organ transplantation. Transplant Infectious Disease, 2018, 20, e12832.	1.7	14
60	Different views of dentists and general medical practitioners on dental care for patients with diabetes mellitus and coronary heart diseases: results of a questionnaire-based survey in a district of Germany. International Dental Journal, 2018, 68, 197-203.	2.6	9
61	Identification of influence factors for the implementation of communication curricula in dental education. European Journal of Dental Education, 2018, 22, e386-e391.	2.0	0
62	Active matrix metalloproteinaseâ€8 and periodontal bacteriaâ€"interlink between periodontitis and inflammatory bowel disease?. Journal of Periodontology, 2018, 89, 699-707.	3.4	21
63	Oral health-related quality of life is associated with disease specific parameters in patients with ankylosing spondylitis. Clinical Oral Investigations, 2018, 22, 2889-2896.	3.0	8
64	Periodontal condition is associated with disease duration and motoric disabilities in patients with ankylosing spondylitis: results of a cross-sectional study. Rheumatology International, 2018, 38, 855-863.	3.0	8
65	Oral health related quality of life depending on oral health and specific factors in patients after lung transplantation. Clinical Respiratory Journal, 2018, 12, 731-737.	1.6	13
66	Oral health status in adult patients with newly diagnosed acute leukemia. Clinical Oral Investigations, 2018, 22, 411-418.	3.0	20
67	Effects of octenidine mouth rinse on apoptosis and necrosis of human fibroblasts and epithelial cells – an ⟨i⟩in vitro⟨/i⟩ study. Drug and Chemical Toxicology, 2018, 41, 182-187.	2.3	10
68	Antimicrobial peptides as a possible interlink between periodontal diseases and its risk factors: A systematic review. Journal of Periodontal Research, 2018, 53, 145-155.	2.7	27
69	A cytometric approach to follow variation and dynamics of the salivary microbiota. Methods, 2018, 134-135, 67-79.	3.8	21
70	No difference between manual and different power toothbrushes with and without specific instructions in young, oral healthy adults—results of a randomized clinical trial. Clinical Oral Investigations, 2018, 22, 1147-1155.	3.0	15
71	Oral health-related quality of life depending on dental and periodontal health in different patients before and after liver transplantation. Clinical Oral Investigations, 2018, 22, 2039-2045.	3.0	16
72	Visualization of interfacial adhesive defects at dental restorations with spectral domain and polarization sensitive optical coherence tomography. Current Directions in Biomedical Engineering, 2018, 4, 559-562.	0.4	0

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73	Shared genetic and epigenetic mechanisms between chronic periodontitis and oral squamous cell carcinoma. Oral Oncology, 2018, 86, 216-224.	1.5	32
74	Association of chairside salivary aMMP-8 findings with periodontal risk assessment parameters in patients receiving supportive periodontal therapy. Journal of Periodontal and Implant Science, 2018, 48, 251.	2.0	11
75	Association of time under immunosuppression and different immunosuppressive medication on periodontal parameters and selected bacteria of patients after solid organ transplantation. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2018, 23, 0-0.	1.7	10
76	Biomechanical properties of polymer-infiltrated ceramic crowns on one-piece zirconia implants after long-term chewing simulation. International Journal of Implant Dentistry, 2018, 4, 16.	2.7	8
77	OCT for early quality evaluation of tooth–composite bond in clinical trials. Journal of Dentistry, 2018, 76, 46-51.	4.1	25
78	Optical coherence tomography to evaluate variance in the extent of carious lesions in depth. Lasers in Medical Science, 2018, 33, 1573-1579.	2.1	10
79	Effects of artificial aging and progression of cracks on thin occlusal veneers using SD-OCT. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 231-237.	3.1	18
80	aMMP-8 in correlation to caries and periodontal condition in adolescentsâ€"results of the epidemiologic LIFE child study. Clinical Oral Investigations, 2018, 22, 449-460.	3.0	16
81	Does teaching social and communicative competences influence dental students' attitudes towards learning communication skills? A comparison between two dental schools in Germany. GMS Journal for Medical Education, 2018, 35, Doc18.	0.1	8
82	Karies und andere ZahnhartsubstanzverÄ ¤ derungen. , 2018, , 237-242.		0
83	Use of AC impedance spectroscopy for monitoring sound teeth and incipient carious lesions. Clinical Oral Investigations, 2017, 21, 2421-2427.	3.0	7
84	Oral Health and nutritional status in nursing home residentsâ€"results of an explorative cross-sectional pilot study. BMC Geriatrics, 2017, 17, 39.	2.7	31
85	Dental and periodontal health, and microbiological and salivary conditions in patients with or without diabetes undergoing haemodialysis. International Dental Journal, 2017, 67, 186-193.	2.6	18
86	Oral health-related quality of life depending on oral health in patients with rheumatoid arthritis. Clinical Oral Investigations, 2017, 21, 2661-2670.	3.0	27
87	OCT assessment of non-cavitated occlusal carious lesions by variation of incidence angle of probe light and refractive index matching. Journal of Dentistry, 2017, 62, 31-35.	4.1	11
88	Elaborative feedback in clinical dental teaching—An assessment from the students' perspective. Annals of Anatomy, 2017, 212, 48-54.	1.9	1
89	Active matrix metalloproteinaseâ€8 and periodontal bacteria depending on periodontal status in patients with rheumatoid arthritis. Journal of Periodontal Research, 2017, 52, 745-754.	2.7	21
90	Imaging resin infiltration into non-cavitated carious lesions by optical coherence tomography. Journal of Dentistry, 2017, 60, 94-98.	4.1	34

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91	The impact of expert- and peer feedback on communication skills of undergraduate dental students – a single-blinded, randomized, controlled clinical trial. Patient Education and Counseling, 2017, 100, 2275-2282.	2.2	19
92	Complex integrated analysis of lncRNAs-miRNAs-mRNAs in oral squamous cell carcinoma. Oral Oncology, 2017, 73, 1-9.	1.5	92
93	Shear Bond Strength and Tooth-Composite Interaction With Self-Adhering Flowable Composites. Operative Dentistry, 2017, 42, 90-100.	1.2	29
94	Dentin Protection of Different Desensitizing Varnishes During Stress Simulation: An In Vitro Study. Operative Dentistry, 2017, 42, E35-E43.	1.2	7
95	Crossâ€Sectional Evaluation of Periodontal Status and Microbiologic and Rheumatoid Parameters in a Large Cohort of Patients With Rheumatoid Arthritis. Journal of Periodontology, 2017, 88, 368-379.	3.4	49
96	Dental Applications of Optical Coherence Tomography (OCT) in Cariology. Applied Sciences (Switzerland), 2017, 7, 472.	2.5	48
97	Oral Health Behaviour and Oral Hygiene of Dental Professionals and Laypersons - A Survey Performed in Lower Saxony, Germany. Oral Health & Entire Dentistry, 2017, 15, 347-355.	0.5	3
98	Influence of manual and power toothbrushes on clinical and microbiological findings in initial treatment of periodontitis - A randomized clinical study. American Journal of Dentistry, 2017, 30, 40-46.	0.1	11
99	MicroRNAs as Salivary Markers for Periodontal Diseases: A New Diagnostic Approach?. BioMed Research International, 2016, 2016, 1-14.	1.9	39
100	Oral healthâ€related quality of life in patients on chronic haemodialysis and after kidney transplantation. Oral Diseases, 2016, 22, 665-672.	3.0	29
101	Detection of five potentially periodontal pathogenic bacteria in peri-implant disease: A comparison of PCR and real-time PCR. Diagnostic Microbiology and Infectious Disease, 2016, 85, 289-294.	1.8	13
102	The Implementation of Elaborative Feedback for Qualitative Improvement of Shade Matching—A Randomized Study. Journal of Esthetic and Restorative Dentistry, 2016, 28, 277-286.	3.8	9
103	Oral behavior, dental, periodontal and microbiological findings in patients undergoing hemodialysis and after kidney transplantation. BMC Oral Health, 2016, 16, 72.	2.3	37
104	Cytotoxic effects of octenidine mouth rinse on human fibroblasts and epithelial cells – an <i>in vitro</i> study. Drug and Chemical Toxicology, 2016, 39, 322-330.	2.3	35
105	Communication in Health Professions: A European consensus on inter- and multi-professional learning objectives in German. GMS Journal for Medical Education, 2016, 33, Doc23.	0.1	12
106	A three-year clinical evaluation of a one-step self-etch and a two-step etch-and-rinse adhesive in non-carious cervical lesions. Journal of Dentistry, 2015, 43, 350-361.	4.1	40
107	A controlled trial on the effect of hypnosis on dental anxiety in tooth removal patients. Patient Education and Counseling, 2015, 98, 1112-1115.	2.2	30
108	Assessment of defects at tooth/self-adhering flowable composite interface using swept-source optical coherence tomography (SS-OCT). Dental Materials, 2015, 31, 534-541.	3.5	29

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109	Halitosis: measurement in daily practice. Quintessence International, 2015, 46, 633-41.	0.4	3
110	"May I help you?" - Evaluation of the new student service at the reception desk during the clinical courses at the Department of Operative Dentistry and Periodontology as a part of a longitudinal curriculum of social and communicative competences for dental students. GMS Zeitschrift FÃ1/4r Medizinische Ausbildung, 2015, 32, Doc31.	1.2	2
111	A European consensus on learning objectives for a core communication curriculum in health care professions. Patient Education and Counseling, 2013, 93, 18-26.	2.2	151
112	Assessment of interfacial defects at composite restorations by swept source optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 076018.	2.6	30
113	Experimental and clinical evaluation of a self-etching and an etch-and-rinse adhesive system. Journal of Adhesive Dentistry, 2013, 15, 275-86.	0.5	17
114	The effect of undergraduate education in communication skills: a randomised controlled clinical trial. European Journal of Dental Education, 2008, 12, 213-218.	2.0	41
115	A triclosan-containing compomer reduces spp. predominant in advanced carious lesions. Dental Materials, 2005, 21, 831-836.	3.5	27
116	Grey-scale reversed radiographic display in the detection of approximal caries. Journal of Dentistry, 2005, 33, 65-71.	4.1	27
117	Suppression of Caries-Related Microorganisms in Dentine Lesions after Short-Term Chlorhexidine or Antibiotic Treatment. Caries Research, 2004, 38, 436-441.	2.0	38
118	Lesion orientated caries treatment—a classification of carious dentin treatment procedures. Oral Health & Preventive Dentistry, 2004, 2 Suppl 1, 301-6.	0.5	2
119	The most common disease is diagnosis. International Journal of Computerized Dentistry, 2004, 7, 319-20.	0.2	0
120	Marginal and internal adaptation of extended class I restorations lined with flowable composites. Journal of Dentistry, 2003, 31, 231-239.	4.1	56
121	Influence of displayed image size on radiographic detection of approximal caries. Dentomaxillofacial Radiology, 2003, 32, 242-246.	2.7	21
122	The Validity of Proximal Caries Detection Using Magnifying Visual Aids. Caries Research, 2002, 36, 249-255.	2.0	24
123	Intra- and Interexaminer Variability and Validity of Laser Fluorescence and Electrical Resistance Readings on Root Surface Lesions. Caries Research, 2002, 36, 241-248.	2.0	22
124	Detection of marginal defects of composite restorations with conventional and digital radiographs. European Journal of Oral Sciences, 2002, 110, 282-286.	1.5	33
125	Influence of room lighting on grey-scale perception with a CRT-and a TFT monitor display. Dentomaxillofacial Radiology, 2002, 31, 193-7.	2.7	15
126	Conventional, Digital and Contrast–Enhanced Bitewing Radiographs in the Decision to Restore Approximal Carious Lesions. Caries Research, 2001, 35, 193-199.	2.0	57

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127	Does chemomechanical caries removal affect dentine adhesion?. European Journal of Oral Sciences, 2000, 108, 449-455.	1.5	33
128	Hochfrequente Ultraschalluntersuchungen an ZÄ H nen. Biomedizinische Technik, 1995, 40, 71-72.	0.8	0
129	Influence of room lighting on grey-scale perception with a CRT-and a TFT monitor display. Dentomaxillofacial Radiology, 0, 31, 193-197.	2.7	27
130	Clinical findings and self-reported oral health status of biathletes and cross-country skiers in the preseason $\hat{a} \in \hat{a}$ a cohort study with a control group. Research in Sports Medicine, 0, , 1-15.	1.3	2