Falk Schwendicke

List of Publications by Citations

273 papers	6,277 citations	42 h-index	69 g-index
305 ext. papers	8,679 ext. citations	4.7 avg, IF	6.68 L-index

#	Paper	IF	Citations
273	Managing Carious Lesions: Consensus Recommendations on Carious Tissue Removal. *Advances in Dental Research*, **2016**, 28, 58-67	2.3	331
272	Socioeconomic inequality and caries: a systematic review and meta-analysis. *Journal of Dental Research*, **2015**, 94, 10-8	8.1	329
271	Global, Regional, and National Levels and Trends in Burden of Oral Conditions from 1990 to 2017: A Systematic Analysis for the Global Burden of Disease 2017 Study. *Journal of Dental Research*, **2020**, 99, 362-373	8.1	216
270	Managing Carious Lesions: Consensus Recommendations on Terminology. *Advances in Dental Research*, **2016**, 28, 49-57	2.3	169
269	Incomplete caries removal: a systematic review and meta-analysis. *Journal of Dental Research*, **2013**, 92, 306-14	8.1	168
268	Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995-2050. *Lancet, The*, **2019**, 393, 2233-2260	40	158
267	Probiotics for managing caries and periodontitis: Systematic review and meta-analysis. *Journal of Dentistry*, **2016**, 48, 16-25	4.8	138
266	Radiographic caries detection: A systematic review and meta-analysis. *Journal of Dentistry*, **2015**, 43, 924-33	4.8	113
265	Deep Learning for the Radiographic Detection of Periodontal Bone Loss. *Scientific Reports*, **2019**, 9, 8495	4.9	108
264	Convolutional neural networks for dental image diagnostics: A scoping review. *Journal of Dentistry*, **2019**, 91, 103226	4.8	99
263	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 EFP/ORCA workshop on the boundaries between caries and periodontal diseases. *Journal of Clinical Periodontology*, **2017**, 44 Suppl 18, S135-S144	7.7	98
262	Ageing, dental caries and periodontal diseases. *Journal of Clinical Periodontology*, **2017**, 44 Suppl 18, S145-S152	7.7	97
261	Global burden of molar incisor hypomineralization. *Journal of Dentistry*, **2018**, 68, 10-18	4.8	95
260	Cost-effectiveness of one- and two-step incomplete and complete excavations. *Journal of Dental Research*, **2013**, 92, 880-7	8.1	90
259	Artificial Intelligence in Dentistry: Chances and Challenges. *Journal of Dental Research*, **2020**, 99, 769-774	8.1	90
258	Deep Learning for the Radiographic Detection of Apical Lesions. *Journal of Endodontics*, **2019**, 45, 917-922.e5	4.7	86
257	Inequality in Utilization of Dental Services: A Systematic Review and Meta-analysis. *American Journal of Public Health*, **2018**, 108, e1-e7	5.1	78

256	Contemporary operative caries management: consensus recommendations on minimally invasive caries removal. *British Dental Journal*, **2017**, 223, 215-222	1.2	78
255	Directly Placed Restorative Materials: Review and Network Meta-analysis. *Journal of Dental Research*, **2016**, 95, 613-22	8.1	77
254	Restorative Thresholds for Carious Lesions: Systematic Review and Meta-analysis. *Journal of Dental Research*, **2017**, 96, 501-508	8.1	76
253	Failure of incompletely excavated teeth--a systematic review. *Journal of Dentistry*, **2013**, 41, 569-80	4.8	71
252	Masking of white spot lesions by resin infiltration in vitro. *Journal of Dentistry*, **2013**, 41 Suppl 5, e28-34	4.8	71
251	Detecting Secondary Caries Lesions: A Systematic Review and Meta-analysis. *Journal of Dental Research*, **2016**, 95, 143-51	8.1	65
250	Direct pulp capping after a carious exposure versus root canal treatment: a cost-effectiveness analysis. *Journal of Endodontics*, **2014**, 40, 1764-70	4.7	64
249	Managing molar-incisor hypomineralization: A systematic review. *Journal of Dentistry*, **2016**, 55, 16-24	4.8	64
248	Attitudes and behaviour regarding deep dentin caries removal: a survey among German dentists. *Caries Research*, **2013**, 47, 566-73	4.2	60
247	Detecting caries lesions of different radiographic extension on bitewings using deep learning. *Journal of Dentistry*, **2020**, 100, 103425	4.8	59
246	Micro-hardness and mineral loss of enamel lesions after infiltration with various resins: influence of infiltrant composition and application frequency in vitro. *Journal of Dentistry*, **2013**, 41, 543-8	4.8	58
245	Retaining or replacing molars with furcation involvement: a cost-effectiveness comparison of different strategies. *Journal of Clinical Periodontology*, **2014**, 41, 1090-7	7.7	56
244	Different materials for direct pulp capping: systematic review and meta-analysis and trial sequential analysis. *Clinical Oral Investigations*, **2016**, 20, 1121-32	4.2	56
243	When to intervene in the caries process? An expert Delphi consensus statement. *Clinical Oral Investigations*, **2019**, 23, 3691-3703	4.2	54
242	Impact of SARS-CoV2 (Covid-19) on dental practices: Economic analysis. *Journal of Dentistry*, **2020**, 99, 103387	4.8	53
241	Effects of Taxing Sugar-Sweetened Beverages on Caries and Treatment Costs. *Journal of Dental Research*, **2016**, 95, 1327-1332	8.1	52
240	Predictors for tooth loss in periodontitis patients: Systematic review and meta-analysis. *Journal of Clinical Periodontology*, **2019**, 46, 699-712	7.7	51
239	Structural, mechanical and chemical evaluation of molar-incisor hypomineralization-affected enamel: A systematic review. *Archives of Oral Biology*, **2017**, 83, 272-281	2.8	50

238	Effects of using different criteria for caries removal: a systematic review and network meta-analysis. *Journal of Dentistry*, **2015**, 43, 1-15	4.8	49
237	Micro-invasive interventions for managing proximal dental decay in primary and permanent teeth. *The Cochrane Library*, **2015**, CD010431	5.2	49
236	Deep learning for caries lesion detection in near-infrared light transillumination images: A pilot study. *Journal of Dentistry*, **2020**, 92, 103260	4.8	48
235	Prognostic factors for the loss of molars--an 18-years retrospective cohort study. *Journal of Clinical Periodontology*, **2015**, 42, 943-50	7.7	46
234	Treating pit-and-fissure caries: a systematic review and network meta-analysis. *Journal of Dental Research*, **2015**, 94, 522-33	8.1	45
233	Costs and effectiveness of treatment alternatives for proximal caries lesions. *PLoS ONE*, **2014**, 9, e86992	3.7	45
232	Cariogenic effects of probiotic Lactobacillus rhamnosus GG in a dental biofilm model. *Caries Research*, **2014**, 48, 186-92	4.2	44
231	Cost-effectiveness of root caries preventive treatments. *Journal of Dentistry*, **2017**, 56, 58-64	4.8	39
230	Long-term tooth retention in chronic periodontitis - results after 18 years of a conservative periodontal treatment regimen in a university setting. *Journal of Clinical Periodontology*, **2017**, 44, 169-177	7.7	38
229	A Century of Change towards Prevention and Minimal Intervention in Cariology. *Journal of Dental Research*, **2019**, 98, 611-617	8.1	38
228	Cost-effectiveness of repairing versus replacing composite or amalgam restorations. *Journal of Dentistry*, **2016**, 54, 41-47	4.8	38
227	Inhibition of Streptococcus mutans Growth and Biofilm Formation by Probiotics in vitro. *Caries Research*, **2017**, 51, 87-95	4.2	37
226	Detection and treatment of proximal caries lesions: Milieu-specific cost-effectiveness analysis. *Journal of Dentistry*, **2015**, 43, 647-55	4.8	37
225	The impact of demographic, health-related and social factors on dental services utilization: Systematic review and meta-analysis. *Journal of Dentistry*, **2018**, 75, 1-6	4.8	37
224	Tooth loss in generalized aggressive periodontitis: Prognostic factors after 17 years of supportive periodontal treatment. *Journal of Clinical Periodontology*, **2017**, 44, 612-619	7.7	36
223	Detecting and treating occlusal caries lesions: a cost-effectiveness analysis. *Journal of Dental Research*, **2015**, 94, 272-80	8.1	36
222	DentistsPattitudes and behaviour regarding deep carious lesion management: a multi-national survey. *Clinical Oral Investigations*, **2017**, 21, 191-198	4.2	35
221	Comparison of periodontitis patientsPclassification in the 2018 versus 1999 classification. *Journal of Clinical Periodontology*, **2019**, 46, 908-917	7.7	34

220	Artificial intelligence in dental research: Checklist for authors, reviewers, readers. *Journal of Dentistry*, **2021**, 107, 103610	4.8	33
219	Clinical studies in restorative dentistry: New directions and new demands. *Dental Materials*, **2018**, 34, 1-12	5.7	30
218	Effects of heat-inactivated Bifidobacterium BB12 on cariogenicity of Streptococcus mutans in vitro. *Archives of Oral Biology*, **2014**, 59, 1384-90	2.8	30
217	Secondary caries: what is it, and how it can be controlled, detected, and managed?. *Clinical Oral Investigations*, **2020**, 24, 1869-1876	4.2	30
216	Understanding dentistsPmanagement of deep carious lesions in permanent teeth: a systematic review and meta-analysis. *Implementation Science*, **2016**, 11, 142	8.4	29
215	Periodontal treatment for preventing adverse pregnancy outcomes: a meta- and trial sequential analysis. *PLoS ONE*, **2015**, 10, e0129060	3.7	29
214	Cost-effectiveness of caries excavations in different risk groups - a micro-simulation study. *BMC Oral Health*, **2014**, 14, 153	3.7	29
213	Marginal integrity and secondary caries of selectively excavated teeth in vitro. *Journal of Dentistry*, **2014**, 42, 1261-8	4.8	27
212	Conventional treatment, Hall Technique or immediate pulpotomy for carious primary molars: a cost-effectiveness analysis. *International Endodontic Journal*, **2016**, 49, 817-826	5.4	27
211	Barriers and facilitators for provision of oral health care in dependent older people: a systematic review. *Clinical Oral Investigations*, **2019**, 23, 979-993	4.2	26
210	Remineralization effects of conventional and experimental ion-releasing materials in chemically or bacterially-induced dentin caries lesions. *Dental Materials*, **2019**, 35, 772-779	5.7	26
209	Stem Cell Transplantation for Pulpal Regeneration: A Systematic Review. *Tissue Engineering - Part B: Reviews*, **2015**, 21, 451-60	7.9	26
208	Prosthetic rehabilitation of patients with history of moderate to severe periodontitis: a long-term evaluation. *Journal of Clinical Periodontology*, **2013**, 40, 799-806	7.7	26
207	Calcium Hydroxide versus Mineral Trioxide Aggregate for Direct Pulp Capping: A Cost-effectiveness Analysis. *Journal of Endodontics*, **2015**, 41, 1969-74	4.7	25
206	Effects of calcium silicate cements on dental pulp cells: A systematic review. *Journal of Dentistry*, **2018**, 77, 18-36	4.8	25
205	Antibacterial effects of cavity lining: a systematic review and network meta-analysis. *Journal of Dentistry*, **2015**, 43, 1298-307	4.8	24
204	Cost-effectiveness of caries-preventive fluoride varnish applications in clinic settings among patients of low, moderate and high risk. *Community Dentistry and Oral Epidemiology*, **2018**, 46, 8-16	2.8	24
203	Retention costs of periodontally compromised molars in a German population. *Journal of Clinical Periodontology*, **2016**, 43, 261-70	7.7	24

202	Inhibition of hybrid layer degradation by cavity pretreatment: Meta- and trial sequential analysis. *Journal of Dentistry*, **2016**, 49, 14-21	4.8	24
201	Preventing and Treating Peri-Implantitis: A Cost-Effectiveness Analysis. *Journal of Periodontology*, **2015**, 86, 1020-9	4.6	23
200	Fracture resistance and cuspal deflection of incompletely excavated teeth. *Journal of Dentistry*, **2014**, 42, 107-13	4.8	23
199	Contemporary concepts in carious tissue removal: A review. *Journal of Esthetic and Restorative Dentistry*, **2017**, 29, 403-408	3.5	23
198	Cavity lining after excavating caries lesions: meta-analysis and trial sequential analysis of randomized clinical trials. *Journal of Dentistry*, **2015**, 43, 1291-7	4.8	22
197	Understanding the management and teaching of dental restoration repair: Systematic review and meta-analysis of surveys. *Journal of Dentistry*, **2018**, 69, 1-21	4.8	22
196	In vitro Induction of residual caries lesions in dentin: comparative mineral loss and nano-hardness analysis. *Caries Research*, **2015**, 49, 259-65	4.2	22
195	Taxing sugar-sweetened beverages: impact on overweight and obesity in Germany. *BMC Public Health*, **2017**, 17, 88	4.1	21
194	Trends in caries experience in the permanent dentition in Germany 1997-2014, and projection to 2030: Morbidity shifts in an aging society. *Scientific Reports*, **2019**, 9, 5534	4.9	20
193	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. *Caries Research*, **2020**, 54, 297-305	4.2	20
192	Single-visit or multiple-visit root canal treatment: systematic review, meta-analysis and trial sequential analysis. *BMJ Open*, **2017**, 7, e013115	3	18
191	Validation of multivariable models for predicting tooth loss in periodontitis patients. *Journal of Clinical Periodontology*, **2018**, 45, 701-710	7.7	18
190	How do we create, and improve, the evidence base?. *British Dental Journal*, **2016**, 220, 651-5	1.2	18
189	Same, same, but different? A systematic review of protocols for restoration repair. *Journal of Dentistry*, **2019**, 86, 1-16	4.8	17
188	Clinical studies in restorative dentistry: Design, conduct, analysis. *Dental Materials*, **2018**, 34, 29-39	5.7	17
187	Design and Validity of Randomized Controlled Dental Restorative Trials. *Materials*, **2016**, 9,	3.5	17
186	Salivary and pellicle proteome: A datamining analysis. *Scientific Reports*, **2016**, 6, 38882	4.9	17
185	Cost-effectiveness of Artificial Intelligence for Proximal Caries Detection. *Journal of Dental Research*, **2021**, 100, 369-376	8.1	17

184	Impact of combined CO laser irradiation and fluoride on enamel and dentin biofilm-induced mineral loss. *Clinical Oral Investigations*, **2017**, 21, 1243-1250	4.2	16
183	Stem/progenitor cell-mediated pulpal tissue regeneration: a systematic review and meta-analysis. *International Endodontic Journal*, **2019**, 52, 1573-1585	5.4	16
182	Detecting white spot lesions on dental photography using deep learning: A pilot study. *Journal of Dentistry*, **2021**, 107, 103615	4.8	16
181	Cost-effectiveness of regular versus irregular supportive periodontal therapy or tooth removal. *Journal of Clinical Periodontology*, **2016**, 43, 940-947	7.7	16
180	100 Years of the : A Bibliometric Analysis. *Journal of Dental Research*, **2019**, 98, 1425-1436	8.1	16
179	More teeth in more elderly: Periodontal treatment needs in Germany 1997-2030. *Journal of Clinical Periodontology*, **2018**, 45, 1400-1407	7.7	16
178	Management of pulps exposed during carious tissue removal in adults: a multi-national questionnaire-based survey. *Clinical Oral Investigations*, **2017**, 21, 2303-2309	4.2	15
177	In vitro performance of the DIAGNOcam for detecting proximal carious lesions adjacent to composite restorations. *Journal of Dentistry*, **2018**, 72, 39-43	4.8	15
176	Artificial Versus Natural Teeth for Preclinical Endodontic Training: A Randomized Controlled Trial. *Journal of Endodontics*, **2016**, 42, 1212-7	4.7	15
175	Detecting Proximal Secondary Caries Lesions: A Cost-effectiveness Analysis. *Journal of Dental Research*, **2016**, 95, 152-9	8.1	15
174	Outcomes in Trials for Management of Caries Lesions (OuTMaC): protocol. *Trials*, **2015**, 16, 397	2.8	15
173	Restoration gaps needed to exceed a threshold size to impede sealed lesion arrest in vitro. *Journal of Dentistry*, **2016**, 48, 77-80	4.8	15
172	Managing Carious Lesions: Why Do We Need Consensus on Terminology and Clinical Recommendations on Carious Tissue Removal?. *Advances in Dental Research*, **2016**, 28, 46-8	2.3	15
171	Cost-effectiveness of managing cavitated primary molar caries lesions: A randomized trial in Germany. *Journal of Dentistry*, **2018**, 78, 40-45	4.8	15
170	Outcomes in randomised controlled trials in prevention and management of carious lesions: a systematic review. *Trials*, **2017**, 18, 515	2.8	14
169	Global smoking-attributable burden of periodontal disease in 186 countries in the year 2015. *Journal of Clinical Periodontology*, **2018**, 45, 2-14	7.7	14
168	Managing caries: the need to close the gap between the evidence base and current practice. *British Dental Journal*, **2015**, 219, 433-8	1.2	14
167	Estimating future dental servicesPdemand and supply: a model for Northern Germany. *Community Dentistry and Oral Epidemiology*, **2016**, 44, 169-79	2.8	14

166	Cost-effectiveness of the Hall Technique in a Randomized Trial. *Journal of Dental Research*, **2019**, 98, 61-67	8.1	14
165	Industry sponsorship bias in clinical trials in implant dentistry: Systematic review and meta-regression. *Journal of Clinical Periodontology*, **2019**, 46, 510-519	7.7	13
164	To fill or not to fill: a qualitative cross-country study on dentistsPdecisions in managing non-cavitated proximal caries lesions. *Implementation Science*, **2018**, 13, 54	8.4	13
163	Effect of Industry Sponsorship on Dental Restorative Trials. *Journal of Dental Research*, **2016**, 95, 9-16	8.1	13
162	Selective vs stepwise removal of deep carious lesions in primary molars: 12-Months results of a randomized controlled pilot trial. *Journal of Dentistry*, **2018**, 77, 72-77	4.8	13
161	Sealing or infiltrating proximal carious lesions. *Journal of Dentistry*, **2018**, 74, 15-22	4.8	13
160	Removing Carious Tissue: Why and How?. *Monographs in Oral Science*, **2018**, 27, 56-67	3	13
159	Risk of caries adjacent to different restoration materials: Systematic review of in situ studies. *Journal of Dentistry*, **2017**, 56, 1-10	4.8	13
158	Decontamination of N95 respirators against SARS-CoV-2: A scoping review. *Journal of Dentistry*, **2021**, 104, 103534	4.8	13
157	The association between loading of restorations and secondary caries lesions is moderated by the restoration material elasticity. *Journal of Dentistry*, **2017**, 58, 74-79	4.8	12
156	Choice of comparator in restorative trials: A network analysis. *Dental Materials*, **2015**, 31, 1502-9	5.7	12
155	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	4.2	12
154	Arrest of Root Carious Lesions via Sodium Fluoride, Chlorhexidine and Silver Diamine Fluoride In Vitro. *Materials*, **2017**, 11,	3.5	12
153	Evaluating Modeling and Validation Strategies for Tooth Loss. *Journal of Dental Research*, **2019**, 98, 1088-1095	8.1	12
152	Long-term survival and maintenance efforts of splinted teeth in periodontitis patients. *Journal of Dentistry*, **2019**, 80, 49-54	4.8	12
151	Epidemiological trends, predictive factors, and projection of tooth loss in Germany 1997-2030: part II. Edentulism in seniors. *Clinical Oral Investigations*, **2020**, 24, 3997-4003	4.2	12
150	In-Office Application of Fluoride Gel or Varnish: Cost-Effectiveness and Expected Value of Perfect Information Analysis. *Caries Research*, **2017**, 51, 231-239	4.2	11
149	Amalgam Alternatives: Cost-Effectiveness and Value of Information Analysis. *Journal of Dental Research*, **2018**, 97, 1317-1323	8.1	11

148	Margin Integrity and Secondary Caries of Lined or Non-lined Composite and Glass Hybrid Restorations After Selective Excavation In Vitro. *Operative Dentistry*, **2017**, 42, 155-164	2.9	11
147	Cost-effectiveness of Different Post-retained Restorations. *Journal of Endodontics*, **2017**, 43, 709-714	4.7	10
146	Selective versus stepwise removal of deep carious lesions in permanent teeth: a randomised controlled trial from Egypt-an interim analysis. *BMJ Open*, **2019**, 9, e030957	3	10
145	Removing or Controlling? How Caries Management Impacts on the Lifetime of Teeth. *Monographs in Oral Science*, **2018**, 27, 32-41	3	10
144	Selective Removal of Carious Tissue. *Monographs in Oral Science*, **2018**, 27, 82-91	3	10
143	Professional oral health care for preventing nursing home-acquired pneumonia: A cost-effectiveness and value of information analysis. *Journal of Clinical Periodontology*, **2017**, 44, 1236-1244	7.7	10
142	Managing molars with severe molar-incisor hypomineralization: A cost-effectiveness analysis within German healthcare. *Journal of Dentistry*, **2017**, 63, 65-71	4.8	10
141	Deep learning for cephalometric landmark detection: systematic review and meta-analysis. *Clinical Oral Investigations*, **2021**, 25, 4299-4309	4.2	10
140	Data Dentistry: How Data Are Changing Clinical Care and Research. *Journal of Dental Research*, **2021**, 220345211020265	8.1	10
139	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. *Caries Research*, **2020**, 54, 1-7	4.2	9
138	Long-term tooth retention in periodontitis patients in four German university centres. *Journal of Dentistry*, **2020**, 94, 103307	4.8	9
137	Bacterial reduction in sealed caries lesions is strain- and material-specific. *Scientific Reports*, **2018**, 8, 3767	4.9	9
136	Long-term treatment costs of chronic periodontitis patients in Germany. *Journal of Clinical Periodontology*, **2018**, 45, 1069-1077	7.7	9
135	Dental caries experience, care index and restorative index in children with learning disabilities and children without learning disabilities; a systematic review and meta-analysis. *BMC Oral Health*, **2019**, 19, 146	3.7	9
134	Cost comparison of prediction-based decision-making for periodontally affected molars. *Journal of Clinical Periodontology*, **2017**, 44, 1145-1152	7.7	9
133	Dental caries, fluorosis, and oral health behavior of children from Herat, Afghanistan. *Community Dentistry and Oral Epidemiology*, **2015**, 43, 521-31	2.8	9
132	Subgingival instrumentation to remove simulated plaque in vitro: influence of operatorsP experience and type of instrument. *Clinical Oral Investigations*, **2015**, 19, 987-95	4.2	9
131	Changing dentistsPcarious tissue removal behavior: Qualitative study and behavioral change simulation experiment. *Journal of Dentistry*, **2019**, 81, 43-51	4.8	9

130	Success and survival of post-restorations: six-year results of a prospective observational practice-based clinical study. *International Endodontic Journal*, **2019**, 52, 569-578	5.4	9
129	Selective or stepwise removal of deep caries in deciduous molars: study protocol for a randomized controlled trial. *Trials*, **2015**, 16, 11	2.8	8
128	German dentistsPwebsites on periodontitis have low quality of information. *BMC Medical Informatics and Decision Making*, **2017**, 17, 114	3.6	8
127	Root caries prevention via sodium fluoride, chlorhexidine and silver diamine fluoride in vitro. *Odontology / the Society of the Nippon Dental University*, **2018**, 106, 274-281	3.6	8
126	Less Is More? The Long-Term Health and Cost Consequences Resulting from Minimal Invasive CariesManagement. *Dental Clinics of North America*, **2019**, 63, 737-749	3.3	8
125	Radiopaque Tagging Masks Caries Lesions following Incomplete Excavation in vitro. *Journal of Dental Research*, **2014**, 93, 565-70	8.1	8
124	Long-term treatment costs for aggressive periodontitis in a German population. *Journal of Clinical Periodontology*, **2017**, 44, 1245-1252	7.7	8
123	Influence of using different bonding systems and composites on the margin integrity and the mechanical properties of selectively excavated teeth in vitro. *Journal of Dentistry*, **2015**, 43, 327-34	4.8	8
122	Selective carious tissue removal using subjective criteria or polymer bur: study protocol for a randomised controlled trial (SelecCT). *BMJ Open*, **2018**, 8, e022952	3	8
121	Root caries experience in Germany 1997 to 2014: Analysis of trends and identification of risk factors. *Journal of Dentistry*, **2018**, 78, 100-105	4.8	8
120	Industry sponsorship in trials on fluoride varnish or gels for caries prevention. *Community Dentistry and Oral Epidemiology*, **2017**, 45, 289-295	2.8	7
119	Atraumatic vs conventional restorative treatment for root caries lesions in older patients: Meta- and trial sequential analysis. *Gerodontology*, **2019**, 36, 285-293	2.8	7
118	Oral health-related quality of life impacts are low 27 years after periodontal therapy. *Journal of Clinical Periodontology*, **2020**, 47, 952-961	7.7	7
117	Better Reporting of Studies on Artificial Intelligence: CONSORT-AI and Beyond. *Journal of Dental Research*, **2021**, 100, 677-680	8.1	7
116	Generalizability of deep learning models for dental image analysis. *Scientific Reports*, **2021**, 11, 6102	4.9	7
115	Cost-effectiveness of Single- Versus Multistep Root Canal Treatment. *Journal of Endodontics*, **2016**, 42, 1446-52	4.7	7
114	Outcome and comparator choice in molar incisor hypomineralisation (MIH) intervention studies: a systematic review and social network analysis. *BMJ Open*, **2019**, 9, e028352	3	7
113	Embedding environmental sustainability within the modern dental curriculum- Exploring current practice and developing a shared understanding. *European Journal of Dental Education*, **2021**, 25, 541-549	3.5	7

112	Modified resin infiltration of non-, micro- and cavitated proximal caries lesions in vitro. *Journal of Dentistry*, **2018**, 74, 56-60	4.8	7
111	Radiographic, antibacterial and bond-strength effects of radiopaque caries tagging. *Scientific Reports*, **2016**, 6, 27319	4.9	6
110	Restoration outcomes after restoring vital teeth with advanced caries lesions: a practice-based retrospective study. *Clinical Oral Investigations*, **2016**, 20, 1675-81	4.2	6
109	Artificial intelligence for caries detection: Randomized trial. *Journal of Dentistry*, **2021**, 115, 103849	4.8	6
108	Generalizability of Deep Learning Models for Caries Detection in Near-Infrared Light Transillumination Images. *Journal of Clinical Medicine*, **2021**, 10,	5.1	6
107	Tailored Dentistry: From "One Size Fits All" to Precision Dental Medicine?. *Operative Dentistry*, **2018** , 43, 451-459	2.9	6
106	Factors Influencing Patient Compliance during Clear Aligner Therapy: A Retrospective Cohort Study. *Journal of Clinical Medicine*, **2021**, 10,	5.1	6
105	Glass hybrid, but not calcium hydroxide, remineralized artificial residual caries lesions in vitro. *Clinical Oral Investigations*, **2017**, 21, 389-396	4.2	5
104	Environment-Specific Probiotic Supernatants Modify the Metabolic Activity and Survival of. *Frontiers in Microbiology*, **2020**, 11, 1447	5.7	5
103	Maintaining pulpal vitality: Cost-effectiveness analysis on carious tissue removal and direct pulp capping. *Journal of Dentistry*, **2020**, 96, 103330	4.8	5
102	Removal Strategies for Carious Tissues in Deep Lesions **2018**, 15-35		5
101	Interventions for enhancing the distribution of dental professionals: a concise systematic review. *International Dental Journal*, **2017**, 67, 263-271	2.2	5
100	Secondary Treatment for Asymptomatic Root Canal Treated Teeth: A Cost-effectiveness Analysis. *Journal of Endodontics*, **2015**, 41, 812-6	4.7	5
99	Pulpal Remineralisation of Artificial Residual Caries Lesions in vitro. *Caries Research*, **2015**, 49, 591-4	4.2	5
98	Comparison of four methods to assess erosive substance loss of dentin. *PLoS ONE*, **2014**, 9, e108064	3.7	5
97	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. *British Dental Journal*, **2020**, 229, 450-458	1.2	5
96	When to intervene in the caries process? A Delphi consensus statement. *British Dental Journal*, **2020**, 229, 474-482	1.2	5
95	Longevity and Risk Factors of Post Restorations after up to 15 Years: A Practice-based Study. *Journal of Endodontics*, **2021**, 47, 577-584	4.7	5

94	Selective vs stepwise removal of deep carious lesions in primary molars: 24-months follow-up from a randomized controlled trial. *Clinical Oral Investigations*, **2021**, 25, 645-652	4.2	5
93	A prospective, multi-center, practice-based cohort study on all-ceramic crowns. *Dental Materials*, **2021**, 37, 1273-1282	5.7	5
92	Removal of simulated biofilm: a preclinical ergonomic comparison of instruments and operators. *Clinical Oral Investigations*, **2016**, 20, 1193-201	4.2	4
91	PatientsPpreferences for selective versus complete excavation: A mixed-methods study. *Journal of Dentistry*, **2016**, 46, 47-53	4.8	4
90	Restoring root-canal treated molars: Cost-effectiveness-analysis of direct versus indirect restorations. *Journal of Dentistry*, **2018**, 77, 37-42	4.8	4
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