Falk Schwendicke

List of Publications by Year
in descending order

Version: 2024-02-01

288	11,262	34076	43868
papers	citations	52	91
		h-index	g-index

305	305	305	8194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Health economic evaluation of endodontic therapies. International Endodontic Journal, 2023, 56, 207-218.	2.3	8
2	Data Dentistry: How Data Are Changing Clinical Care and Research. Journal of Dental Research, 2022, 101, 21-29.	2.5	29
3	Normative Approaches for Oral Health: Standards, Specifications, and Guidelines. Journal of Dental Research, 2022, 101, 489-494.	2.5	7
4	Costâ€effectiveness and efficacy of fluoride varnish for caries prevention in South African children: A clusterâ€randomized controlled community trial. Community Dentistry and Oral Epidemiology, 2022, 50, 453-460.	0.9	2
5	Association between patient-, tooth- and treatment-level factors and root canal treatment failure: A retrospective longitudinal and machine learning study. Journal of Dentistry, 2022, 117, 103937.	1.7	7
6	Big Data and Complex Data Analytics: Breaking Peer Review?. Journal of Dental Research, 2022, 101, 369-370.	2.5	7
7	Exploring variation of coverage and access to dental care for adults in 11 European countries: a vignette approach. BMC Oral Health, 2022, 22, 65.	0.8	18
8	Precision dentistryâ€”what it is, where it fails (yet), and how to get there. Clinical Oral Investigations, 2022, 26, 3395-3403.	1.4	15
9	Deep learning for caries detection: A systematic review. Journal of Dentistry, 2022, 122, 104115.	1.7	68
10	Cost-effectiveness of Artificial Intelligence as a Decision-Support System Applied to the Detection and Grading of Melanoma, Dental Caries, and Diabetic Retinopathy. JAMA Network Open, 2022, 5, e220269.	2.8	36
11	Health policy analysis on barriers and facilitators for better oral health in German care homes: a qualitative study. BMJ Open, 2022, 12, e049306.	0.8	4
12	Cost-effectiveness of AI for caries detection: randomized trial. Journal of Dentistry, 2022, 119, 104080.	1.7	12
13	Patientsâ€™ Perspectives on Artificial Intelligence in Dentistry: A Controlled Study. Journal of Clinical Medicine, 2022, 11, 2143.	1.0	8
14	Comparison of the efficacy of different techniques to seal the alveolus during alveolar ridge preservation: Metaâ€regression and network metaâ€analysis. Journal of Clinical Periodontology, 2022, 49, 694-705.	2.3	9
15	Preventing and arresting primary tooth enamel lesions using self-assembling peptide P₁₁-4 in vitro. Journal of International Society of Preventive and Community Dentistry, 2022, 12, 58.	0.4	4
16	Evaluation of the Clinical, Technical, and Financial Aspects of Cost-Effectiveness Analysis of Artificial Intelligence in Medicine: Scoping Review and Framework of Analysis. JMIR Medical Informatics, 2022, 10, e33703.	1.3	9
17	Self-Supervised Learning Methods for Label-Efficient Dental Caries Classification. Diagnostics, 2022, 12, 1237.	1.3	8
18	Segmentation of Dental Restorations on Panoramic Radiographs Using Deep Learning. Diagnostics, 2022, 12, 1316.	1.3	8

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19	Benchmarking Deep Learning Models for Tooth Structure Segmentation. Journal of Dental Research, 2022, 101, 1343-1349.	2.5	11
20	Towards Trustworthy AI in Dentistry. Journal of Dental Research, 2022, 101, 1263-1268.	2.5	16
21	Hyperparameter Tuning and Automatic Image Augmentation for Deep Learning-Based Angle Classification on Intraoral Photographsâ€"A Retrospective Study. Diagnostics, 2022, 12, 1526.	1.3	1
22	Artificial intelligence in dentistry: What it is, how it can improve dental care and what should dentists know?. BDJ in Practice, 2022, 35, 12-15.	0.1	1
23	Clustering of Signs and Symptoms of Oral Diseases in a Colombian Population. International Dental Journal, 2022, , .	1.0	0
24	Augmented Vision for Dental Studentsâ€™ Education in Detecting Proximal Carious Lesions on Bitewing Radiographs: A Randomized Controlled Trial. Caries Research, 2022, 56, 197-205.	0.9	0
25	Knowledge, attitudes, and beliefs regarding molar incisor hypomineralization (MIH) amongst German dental students. International Journal of Paediatric Dentistry, 2021, 31, 486-495.	1.0	11
26	Secondary caries risk of different adhesive strategies and restorative materials in permanent teeth: Systematic review and network meta-analysis. Journal of Dentistry, 2021, 104, 103541.	1.7	20
27	Epidemiological trends, predictive factors, and projection of tooth loss in Germany 1997â€“2030: part I. missing teeth in adults and seniors. Clinical Oral Investigations, 2021, 25, 67-76.	1.4	14
28	Decontamination of N95 respirators against SARS-CoV-2: A scoping review. Journal of Dentistry, 2021, 104, 103534.	1.7	20
29	Cost-effectiveness of Artificial Intelligence for Proximal Caries Detection. Journal of Dental Research, 2021, 100, 369-376.	2.5	60
30	Embedding environmental sustainability within the modern dental curriculumâ€" Exploring current practice and developing a shared understanding. European Journal of Dental Education, 2021, 25, 541-549.	1.0	22
31	Oral health and academic performance or absenteeism: Findings from a University in Southern Brazil. Community Dentistry and Oral Epidemiology, 2021, 49, 267-274.	0.9	8
32	Longevity and Risk Factors of Post Restorations after up to 15 Years: A Practice-based Study. Journal of Endodontics, 2021, 47, 577-584.	1.4	15
33	Underscreening and undertreatment? Periodontal service provision in very old Germans. Clinical Oral Investigations, 2021, 25, 3117-3129.	1.4	4
34	Dental service utilization in the very old: an insurance database analysis from northeast Germany. Clinical Oral Investigations, 2021, 25, 2765-2777.	1.4	10
35	Long-term costs of post-restorations: 7-year practice-based results from Germany. Clinical Oral Investigations, 2021, 25, 2175-2181.	1.4	5
36	Selective vs stepwise removal of deep carious lesions in primary molars: 24Âmonths follow-up from a randomized controlled trial. Clinical Oral Investigations, 2021, 25, 645-652.	1.4	11

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37	Demystifying artificial intelligence and deep learning in dentistry. Brazilian Oral Research, 2021, 35, e094.	0.6	14
38	Secondary Caries Adjacent to Bulk or Incrementally Filled Composites Placed after Selective Excavation In Vitro. Materials, 2021, 14, 939.	1.3	1
39	Better Reporting of Studies on Artificial Intelligence: CONSORT-AI and Beyond. Journal of Dental Research, 2021, 100, 677-680.	2.5	17
40	Imaging modalities to inform the detection and diagnosis of early caries. The Cochrane Library, 2021, 2021, CD014545.	1.5	10
41	Generalizability of Deep Learning Models for Caries Detection in Near-Infrared Light Transillumination Images. Journal of Clinical Medicine, 2021, 10, 961.	1.0	20
42	Substantial regional differences in the biomechanical behavior of molar treated with selective caries tissue removal technique: a finite element study. Dental Materials, 2021, 37, e162-e175.	1.6	5
43	Generalizability of deep learning models for dental image analysis. Scientific Reports, 2021, 11, 6102.	1.6	33
44	Cost-effectiveness of glass hybrid versus composite in a multi-country randomized trial. Journal of Dentistry, 2021, 107, 103614.	1.7	8
45	Artificial intelligence in dental research: Checklist for authors, reviewers, readers. Journal of Dentistry, 2021, 107, 103610.	1.7	136
46	Home care recipients have poorer oral health than nursing home residents: Results from two German studies. Journal of Dentistry, 2021, 107, 103607.	1.7	13
47	Impact of Image Context on Deep Learning for Classification of Teeth on Radiographs. Journal of Clinical Medicine, 2021, 10, 1635.	1.0	6
48	Classification of Dental Radiographs Using Deep Learning. Journal of Clinical Medicine, 2021, 10, 1496.	1.0	15
49	Detecting white spot lesions on dental photography using deep learning: A pilot study. Journal of Dentistry, 2021, 107, 103615.	1.7	36
50	Root Caries Preventive Effect of Varnishes Containing Fluoride or Fluoride + Chlorhexidine/Cetylpyridinium Chloride In Vitro. Microorganisms, 2021, 9, 737.	1.6	7
51	Barriers and Enablers for Artificial Intelligence in Dental Diagnostics: A Qualitative Study. Journal of Clinical Medicine, 2021, 10, 1612.	1.0	18
52	Deep learning for cephalometric landmark detection: systematic review and meta-analysis. Clinical Oral Investigations, 2021, 25, 4299-4309.	1.4	65
53	Implementation of COVID-19 Infection Control Measures by German Dentists: A Qualitative Study to Identify Enablers and Barriers. International Journal of Environmental Research and Public Health, 2021, 18, 5710.	1.2	7
54	Costs for Statutorily Insured Dental Services in Older Germans 2012â€“2017. International Journal of Environmental Research and Public Health, 2021, 18, 6669.	1.2	3

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55	Association, prediction, generalizability: Cross-center validity of predicting tooth loss in periodontitis patients. Journal of Dentistry, 2021, 109, 103662.	1.7	5
56	Post-retained Restorations: A Cost-minimization Analysis Nested in a Randomized Clinical Trial. Operative Dentistry, 2021, 46, 255-262.	0.6	1
57	Long-term treatment costs and cost-effectiveness of restoration repair versus replacement. Dental Materials, 2021, 37, e375-e381.	1.6	4
58	Consequences of the COVID-19 Pandemic and Governmental Containment Policies on the Detection and Therapy of Oral Malignant Lesionsâ€"A Retrospective, Multicenter Cohort Study from Germany. Cancers, 2021, 13, 2892.	1.7	12
59	Smartphones addiction associated with academic achievement among dental students: A crossâ€sectional study. Journal of Dental Education, 2021, 85, 1802-1809.	0.7	7
60	Factors Influencing Patient Compliance during Clear Aligner Therapy: A Retrospective Cohort Study. Journal of Clinical Medicine, 2021, 10, 3103.	1.0	23
61	Interventions for treating cavitated or dentine carious lesions. The Cochrane Library, 2021, 2021, CD013039.	1.5	20
62	Glass hybrid versus composite for non-carious cervical lesions: Survival, restoration quality and costs in randomized controlled trial after 3 years. Journal of Dentistry, 2021, 110, 103689.	1.7	11
63	A prospective, multi-center, practice-based cohort study on all-ceramic crowns. Dental Materials, 2021, 37, 1273-1282.	1.6	10
64	A Deep Learning Approach to Segment and Classify C-Shaped Canal Morphologies in Mandibular Second Molars Using Cone-beam Computed Tomography. Journal of Endodontics, 2021, 47, 1907-1916.	1.4	27
65	Long-term cost-effectiveness of glass hybrid versus composite in permanent molars. Journal of Dentistry, 2021, 112, 103751.	1.7	3
66	Artificial intelligence for caries detection: Randomized trial. Journal of Dentistry, 2021, 115, 103849.	1.7	48
67	Exploring bias in F-score computation methods of multi-class segmentation models. , 2021, , .		0
68	Psychometric Properties of the SOC-13 Scale in Colombian Adults. International Journal of Environmental Research and Public Health, 2021, 18, 13017.	1.2	1
69	Glass Hybrid Versus Nanocomposite for Restoration of Sclerotic Non-carious Cervical Lesions: 18-Month Results of a Randomized Controlled Trial. Journal of Adhesive Dentistry, 2021, 23, 487-496.	0.3	0
70	Clustering effects of oral conditions based on clinical and radiographic examinations. Clinical Oral Investigations, 2020, 24, 3001-3008.	1.4	4
71	Deep learning for caries lesion detection in near-infrared light transillumination images: A pilot study. Journal of Dentistry, 2020, 92, 103260.	1.7	101
72	Research for Prevention of Oral/Dental Diseases: How Far Have We Come?. Journal of Dental Research, 2020, 99, 5-7.	2.5	8

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73	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. British Dental Journal, 2020, 229, 450-458.	0.3	23
74	When to intervene in the caries process? A Delphi consensus statement. British Dental Journal, 2020, 229, 474-482.	0.3	21
75	Chlorhexidine to improve the survival of ART restorations: A systematic review and meta-analysis. Journal of Dentistry, 2020, 103, 103491.	1.7	5
76	Interventions to improve oral health of older people: A scoping review. Journal of Dentistry, 2020, 101, 103451.	1.7	10
77	Conventional bitewing radiography. Clinical Dentistry Reviewed, 2020, 4, 1.	0.1	8
78	Oral health improvement for nursing home residents through delegated remotivation and reinstruction (MundZaRR Study): study protocol of a cluster-randomised controlled trial. BMJ Open, 2020, 10, e035999.	0.8	2
79	Improving the Bond Strength of Radiographically Tagged Caries Lesions In Vitro. Materials, 2020, 13, 3702.	1.3	0
80	Probiotic Effects on Multispecies Biofilm Composition, Architecture, and Caries Activity In Vitro. Microorganisms, 2020, 8, 1272.	1.6	7
81	Digital Dentistry: Advances and Challenges. Journal of Clinical Medicine, 2020, 9, 4005.	1.0	5
82	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.	0.9	24
83	Oral healthâ€related quality of life impacts are low 27 years after periodontal therapy. Journal of Clinical Periodontology, 2020, 47, 952-961.	2.3	20
84	Impact of SARS-CoV2 (Covid-19) on dental practices: Economic analysis. Journal of Dentistry, 2020, 99, 103387.	1.7	97
85	Subjective versus objective, polymer bur-based selective carious tissue removal: 1-year interim analysis of a randomized clinical trial. Scientific Reports, 2020, 10, 9130.	1.6	3
86	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.	2.5	645
87	Long-term periodontitis treatment costs according to the 2018 classification of periodontal diseases. Journal of Dentistry, 2020, 99, 103417.	1.7	6
88	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. Caries Research, 2020, 54, 297-305.	0.9	59
89	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.	1.4	27
90	Environment-Specific Probiotic Supernatants Modify the Metabolic Activity and Survival of Streptococcus mutans in vitro. Frontiers in Microbiology, 2020, 11, 1447.	1.5	9

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91	Detecting caries lesions of different radiographic extension on bitewings using deep learning. Journal of Dentistry, 2020, 100, 103425.	1.7	141
92	Can We Predict Usage of Dental Services? An Analysis from Germany 2000 to 2015. JDR Clinical and Translational Research, 2020, 5, 349-357.	1.1	3
93	Long-term tooth retention in periodontitis patients in four German university centres. Journal of Dentistry, 2020, 94, 103307.	1.7	18
94	Maintaining pulpal vitality: Cost-effectiveness analysis on carious tissue removal and direct pulp capping. Journal of Dentistry, 2020, 96, 103330.	1.7	15
95	Response to letter to the editor by Jan KÃ¼hnisch. Clinical Oral Investigations, 2020, 24, 2139-2140.	1.4	0
96	Prosthetic treatment patterns in the very old: an insurance database analysis from Northeast Germany. Clinical Oral Investigations, 2020, 24, 3981-3995.	1.4	6
97	Epidemiological trends, predictive factors, and projection of tooth loss in Germany 1997â€“2030: part II. Edentulism in seniors. Clinical Oral Investigations, 2020, 24, 3997-4003.	1.4	27
98	Secondary caries: what is it, and how it can be controlled, detected, and managed?. Clinical Oral Investigations, 2020, 24, 1869-1876.	1.4	81
99	Artificial Intelligence in Dentistry: Chances and Challenges. Journal of Dental Research, 2020, 99, 769-774.	2.5	311
100	General Principles of Tooth Preparation and Carious Tissue Removal. Textbooks in Contemporary Dentistry, 2020, , 183-221.	0.2	1
101	Quality of Information Regarding Repair Restorations on Dentist Websites: Systematic Search and Analysis. Journal of Medical Internet Research, 2020, 22, e17250.	2.1	7
102	Health Economic Evaluation of Management Strategies for MIH. , 2020, , 197-205.		0
103	Prevalence, Incidence, and Burden of Molar Incisor Hypomineralization. , 2020, , 21-31.		0
104	Structural, Mechanical, and Chemical Evaluation of Molar Incisor Hypomineralization-Affected Enamel. , 2020, , 11-20.		0
105	Less Is More? The Long-Term Health and Cost Consequences Resulting from Minimal Invasive CariesÂManagement. Dental Clinics of North America, 2019, 63, 737-749.	0.8	15
106	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.	0.8	21
107	Evaluating Modeling and Validation Strategies for Tooth Loss. Journal of Dental Research, 2019, 98, 1088-1095.	2.5	24
108	Convolutional neural networks for dental image diagnostics: A scoping review. Journal of Dentistry, 2019, 91, 103226.	1.7	217

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109	Selective versus stepwise removal of deep carious lesions in permanent teeth: a randomised controlled trial from Egyptâ€”an interim analysis. BMJ Open, 2019, 9, e030957.	0.8	20
110	When to intervene in the caries process? An expert Delphi consensus statement. Clinical Oral Investigations, 2019, 23, 3691-3703.	1.4	105
111	Treatment options for carious tissue removal. Clinical Dentistry Reviewed, 2019, 3, 1.	0.1	0
112	Barriers and facilitators for provision of oral health care in dependent older people: a systematic review. Clinical Oral Investigations, 2019, 23, 979-993.	1.4	68
113	Atraumatic vs conventional restorative treatment for root caries lesions in older patients: Metaâ€•and trial sequential analysis. Gerodontology, 2019, 36, 285-293.	0.8	10
114	Stem/progenitor cellâ€•mediated pulpal tissue regeneration: a systematic review and metaâ€•analysis. International Endodontic Journal, 2019, 52, 1573-1585.	2.3	21
115	Comparison of periodontitis patientsâ€™ classification in the 2018 versus 1999 classification. Journal of Clinical Periodontology, 2019, 46, 908-917.	2.3	59
116	Deep Learning for the Radiographic Detection of Apical Lesions. Journal of Endodontics, 2019, 45, 917-922.e5.	1.4	185
117	Same, same, but different? A systematic review of protocols for restoration repair. Journal of Dentistry, 2019, 86, 1-16.	1.7	38
118	Deep Learning for the Radiographic Detection of Periodontal Bone Loss. Scientific Reports, 2019, 9, 8495.	1.6	229
119	A Century of Change towards Prevention and Minimal Intervention in Cariology. Journal of Dental Research, 2019, 98, 611-617.	2.5	85
120	Effect of reduced nutritional supply on the metabolic activity and survival of cariogenic bacteria in vitro. Journal of Oral Microbiology, 2019, 11, 1605788.	1.2	5
121	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, 1995â€“2050. Lancet, The, 2019, 393, 2233-2260.	6.3	283
122	Predictors for tooth loss in periodontitis patients: Systematic review and metaâ€•analysis. Journal of Clinical Periodontology, 2019, 46, 699-712.	2.3	103
123	Remineralization effects of conventional and experimental ion-releasing materials in chemically or bacterially-induced dentin caries lesions. Dental Materials, 2019, 35, 772-779.	1.6	49
124	Industry sponsorship bias in clinical trials in implant dentistry: Systematic review and metaâ€•regression. Journal of Clinical Periodontology, 2019, 46, 510-519.	2.3	22
125	Survival and maintenance efforts of adhesively attached extracted teeth in periodontitis patients. Journal of Dentistry, 2019, 83, 56-60.	1.7	2
126	Comparator Choice in Studies Testing Endodontic Instrument Fatigue Resistance: A Network Analysis. Journal of Endodontics, 2019, 45, 784-790.	1.4	1

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127	Trends in caries experience in the permanent dentition in Germany 1997â€“2014, and projection to 2030: Morbidity shifts in an aging society. Scientific Reports, 2019, 9, 5534.	1.6	45
128	Outcome and comparator choice in molar incisor hypomineralisation (MIH) intervention studies: a systematic review and social network analysis. BMJ Open, 2019, 9, e028352.	0.8	8
129	100 Years of the Journal of Dental Research: A Bibliometric Analysis. Journal of Dental Research, 2019, 98, 1425-1436.	2.5	30
130	Cost-effectiveness of the Hall Technique in a Randomized Trial. Journal of Dental Research, 2019, 98, 61-67.	2.5	22
131	Changing dentistsâ€™ carious tissue removal behavior: Qualitative study and behavioral change simulation experiment. Journal of Dentistry, 2019, 81, 43-51.	1.7	14
132	Success and survival of postâ€restorations: sixâ€year results of a prospective observational practiceâ€based clinical study. International Endodontic Journal, 2019, 52, 569-578.	2.3	22
133	Accuracy of tactile assessment in order to detect proximal cavitation of caries lesions in vitro. Clinical Oral Investigations, 2019, 23, 2907-2912.	1.4	5
134	Long-term survival and maintenance efforts of splinted teeth in periodontitis patients. Journal of Dentistry, 2019, 80, 49-54.	1.7	19
135	Conventional Bitewing Radiographs. , 2019, , 109-117.		1
136	Digital Bitewing Radiographs. , 2019, , 119-126.		0
137	â€žGekaufte Wirksamkeit?â€œ: Einfluss von Industrie-Sponsoring auf klinische Studien. Oralprophylaxe Und Kinderzahnheilkunde, 2019, 41, 70-73.	0.1	0
138	Bacterial reduction in sealed caries lesions is strain- and material-specific. Scientific Reports, 2018, 8, 3767.	1.6	16
139	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.	1.7	64
140	Validation of multivariable models for predicting tooth loss in periodontitis patients. Journal of Clinical Periodontology, 2018, 45, 701-710.	2.3	22
141	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.	0.9	12
142	Inequality in Utilization of Dental Services: A Systematic Review and Meta-analysis. American Journal of Public Health, 2018, 108, e1-e7.	1.5	138
143	Removing or Controlling?. , 2018, , 1-14.		1
144	Removal Strategies for Carious Tissues in Deep Lesions. , 2018, , 15-35.		6

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145	To fill or not to fill: a qualitative cross-country study on dentistsâ€™ decisions in managing non-cavitated proximal caries lesions. Implementation Science, 2018, 13, 54.	2.5	20
146	In vitro performance of the DIAGNOcam for detecting proximal carious lesions adjacent to composite restorations. Journal of Dentistry, 2018, 72, 39-43.	1.7	24
147	Costâ€effectiveness of cariesâ€preventive fluoride varnish applications in clinic settings among patients of low, moderate and high risk. Community Dentistry and Oral Epidemiology, 2018, 46, 8-16.	0.9	35
148	Understanding the management and teaching of dental restoration repair: Systematic review and meta-analysis of surveys. Journal of Dentistry, 2018, 69, 1-21.	1.7	43
149	Global smokingâ€attributable burden of periodontal disease in 186 countries in the year 2015. Journal of Clinical Periodontology, 2018, 45, 2-14.	2.3	20
150	Clinical studies in restorative dentistry: Design, conduct, analysis. Dental Materials, 2018, 34, 29-39.	1.6	23
151	Clinical studies in restorative dentistry: New directions and new demands. Dental Materials, 2018, 34, 1-12.	1.6	44
152	Global burden of molar incisor hypomineralization. Journal of Dentistry, 2018, 68, 10-18.	1.7	180
153	Selective carious tissue removal using subjective criteria or polymer bur: study protocol for a randomised controlled trial (SelecCT). BMJ Open, 2018, 8, e022952.	0.8	14
154	Restoration integrity, but not material or cementation strategy determined secondary caries lesions next to indirect restorations in vitro. Dental Materials, 2018, 34, e317-e323.	1.6	6
155	More teeth in more elderly: Periodontal treatment needs in Germany 1997â€“2030. Journal of Clinical Periodontology, 2018, 45, 1400-1407.	2.3	32
156	Cost-effectiveness of managing cavitated primary molar caries lesions: A randomized trial in Germany. Journal of Dentistry, 2018, 78, 40-45.	1.7	20
157	Root caries experience in Germany 1997 to 2014: Analysis of trends and identification of risk factors. Journal of Dentistry, 2018, 78, 100-105.	1.7	17
158	Tailored Dentistry: From â€œOne Size Fits Allâ€•to Precision Dental Medicine?. Operative Dentistry, 2018, 43, 451-459.	0.6	9
159	Modified resin infiltration of non-, micro- and cavitated proximal caries lesions in vitro. Journal of Dentistry, 2018, 74, 56-60.	1.7	12
160	Amalgam Alternatives: Cost-Effectiveness and Value of Information Analysis. Journal of Dental Research, 2018, 97, 1317-1323.	2.5	19
161	Visual and radiographic caries detection: a tailored meta-analysis for two different settings, Egypt and Germany. BMC Oral Health, 2018, 18, 105.	0.8	3
162	Restoring root-canal treated molars: Cost-effectiveness-analysis of direct versus indirect restorations. Journal of Dentistry, 2018, 77, 37-42.	1.7	12

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163	Longâ€term treatment costs of chronic periodontitis patients in Germany. Journal of Clinical Periodontology, 2018, 45, 1069-1077.	2.3	10
164	Current Concepts in Carious Tissue Removal. Current Oral Health Reports, 2018, 5, 154-162.	0.5	4
165	Arrest of Root Carious Lesions via Sodium Fluoride, Chlorhexidine and Silver Diamine Fluoride In Vitro. Materials, 2018, 11, 9.	1.3	27
166	Does Classification of Composites for Network Meta-analyses Lead to Erroneous Conclusions?. Operative Dentistry, 2018, 43, 213-222.	0.6	5
167	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.	1.7	15
168	Sealing or infiltrating proximal carious lesions. Journal of Dentistry, 2018, 74, 15-22.	1.7	22
169	Effects of calcium silicate cements on dental pulp cells: A systematic review. Journal of Dentistry, 2018, 77, 18-36.	1.7	41
170	Removing or Controlling? How Caries Management Impacts on the Lifetime of Teeth. Monographs in Oral Science, 2018, 27, 32-41.	0.9	12
171	Restoring the Carious Lesion. Monographs in Oral Science, 2018, 27, 42-55.	0.9	2
172	Removing Carious Tissue: Why and How?. Monographs in Oral Science, 2018, 27, 56-67.	0.9	21
173	Selective Removal of Carious Tissue. Monographs in Oral Science, 2018, 27, 82-91.	0.9	20
174	Clinical Recommendations on Carious Tissue Removal in Cavitated Lesions. Monographs in Oral Science, 2018, 27, 162-166.	0.9	6
175	Caries Excavation: Evidence Gaps. Monographs in Oral Science, 2018, 27, 167-171.	0.9	0
176	An Agreed Terminology for Carious Tissue Removal. Monographs in Oral Science, 2018, 27, 155-161.	0.9	5
177	Caries removal in primary teeth using Papacarie. Evidence-Based Dentistry, 2018, 19, 74-74.	0.3	4
178	Decision, Risk, and Health Economic Analyses of Fissure Sealings. , 2018, , 161-179.		0
179	Retention of Fissure Sealants. , 2018, , 147-159.		1
180	Dentistsâ€™ attitudes and behaviour regarding deep carious lesion management: a multi-national survey. Clinical Oral Investigations, 2017, 21, 191-198.	1.4	55

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181	Glass hybrid, but not calcium hydroxide, remineralized artificial residual caries lesions in vitro. Clinical Oral Investigations, 2017, 21, 389-396.	1.4	10
182	Impact of combined CO2 laser irradiation and fluoride on enamel and dentin biofilm-induced mineral loss. Clinical Oral Investigations, 2017, 21, 1243-1250.	1.4	18
183	The association between loading of restorations and secondary caries lesions is moderated by the restoration material elasticity. Journal of Dentistry, 2017, 58, 74-79.	1.7	17
184	Inhibition of <i>Streptococcus mutan</i>s Growth and Biofilm Formation by Probiotics in vitro. Caries Research, 2017, 51, 87-95.	0.9	61
185	Restorative Thresholds for Carious Lesions: Systematic Review and Meta-analysis. Journal of Dental Research, 2017, 96, 501-508.	2.5	96
186	Ageing, dental caries and periodontal diseases. Journal of Clinical Periodontology, 2017, 44, S145-S152.	2.3	158
187	Dental caries and periodontal diseases in the ageing population: call to action to protect and enhance oral health and wellâ€being as an essential component of healthy ageing â€“ Consensus report of group 4 of the joint ‹scp›EFP‹/scp›/‹scp›ORCA‹/scp› workshop on the boundaries between caries and periodontal diseases. Journal of Clinical Periodontology, 2017, 44, S135-S144.	2.3	160
188	Taxing sugar-sweetened beverages: impact on overweight and obesity in Germany. BMC Public Health, 2017, 17, 88.	1.2	38
189	Industry sponsorship in trials on fluoride varnish or gels for caries prevention. Community Dentistry and Oral Epidemiology, 2017, 45, 289-295.	0.9	9
190	Single-visit or multiple-visit root canal treatment: systematic review, meta-analysis and trial sequential analysis. BMJ Open, 2017, 7, e013115.	0.8	37
191	In-Office Application of Fluoride Gel or Varnish: Cost-Effectiveness and Expected Value of Perfect Information Analysis. Caries Research, 2017, 51, 231-239.	0.9	13
192	Cost-effectiveness of Different Post-retained Restorations. Journal of Endodontics, 2017, 43, 709-714.	1.4	16
193	Tooth loss in generalized aggressive periodontitis: Prognostic factors after 17 years of supportive periodontal treatment. Journal of Clinical Periodontology, 2017, 44, 612-619.	2.3	43
194	Longâ€term tooth retention in chronic periodontitis â€“ results after 18Âyears of a conservative periodontal treatment regimen in a university setting. Journal of Clinical Periodontology, 2017, 44, 169-177.	2.3	50
195	Management of pulps exposed during carious tissue removal in adults: a multi-national questionnaire-based survey. Clinical Oral Investigations, 2017, 21, 2303-2309.	1.4	31
196	Structural, mechanical and chemical evaluation of molar-incisor hypomineralization-affected enamel: A systematic review. Archives of Oral Biology, 2017, 83, 272-281.	0.8	96
197	Longâ€term treatment costs for aggressive periodontitis in a German population. Journal of Clinical Periodontology, 2017, 44, 1245-1252.	2.3	10
198	Contemporary concepts in carious tissue removal: A review. Journal of Esthetic and Restorative Dentistry, 2017, 29, 403-408.	1.8	25

#	Article	IF	Citations
199	Contemporary operative caries management: consensus recommendations on minimally invasive caries removal. British Dental Journal, 2017, 223, 215-222.	0.3	122
200	Cost comparison of predictionâ€based decisionâ€making for periodontally affected molars. Journal of Clinical Periodontology, 2017, 44, 1145-1152.	2.3	16
201	Professional oral health care for preventing nursing homeâ€acquired pneumonia: A costâ€effectiveness and value of information analysis. Journal of Clinical Periodontology, 2017, 44, 1236-1244.	2.3	17
202	Interventions for enhancing the distribution of dental professionals: a concise systematic review. International Dental Journal, 2017, 67, 263-271.	1.0	15
203	Comparator choice in cariology trials limits conclusions on the comparative effectiveness of caries interventions. Journal of Clinical Epidemiology, 2017, 89, 209-217.	2.4	4
204	Managing molars with severe molar-incisor hypomineralization: A cost-effectiveness analysis within German healthcare. Journal of Dentistry, 2017, 63, 65-71.	1.7	22
205	Cost-effectiveness of root caries preventive treatments. Journal of Dentistry, 2017, 56, 58-64.	1.7	56
206	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.	0.6	17
207	Risk of caries adjacent to different restoration materials: Systematic review of in situ studies. Journal of Dentistry, 2017, 56, 1-10.	1.7	18
208	German dentistsâ€™ websites on periodontitis have low quality of information. BMC Medical Informatics and Decision Making, 2017, 17, 114.	1.5	18
209	Outcomes in randomised controlled trials in prevention and management of carious lesions: a systematic review. Trials, 2017, 18, 515.	0.7	19
210	Fracture Resistance and Cusp Deflection of Lined or Non-lined Composite and Glass Hybrid Restorations Over Residual Demineralized Dentin. Journal of Adhesive Dentistry, 2017, 19, 77-82.	0.3	2
211	Design and Validity of Randomized Controlled Dental Restorative Trials. Materials, 2016, 9, 372.	1.3	21
212	Estimating spatially specific demand and supply of dental services: a longitudinal comparison in Northern Germany. Journal of Public Health Dentistry, 2016, 76, 269-275.	0.5	5
213	Estimating future dental services' demand and supply: a model for Northern Germany. Community Dentistry and Oral Epidemiology, 2016, 44, 169-179.	0.9	17
214	Conventional treatment, Hall Technique or immediate pulpotomy for carious primary molars: a costâ€effectiveness analysis. International Endodontic Journal, 2016, 49, 817-826.	2.3	36
215	Salivary and pellicle proteome: A datamining analysis. Scientific Reports, 2016, 6, 38882.	1.6	24
216	Different materials for direct pulp capping: systematic review and meta-analysis and trial sequential analysis. Clinical Oral Investigations, 2016, 20, 1121-1132.	1.4	84

#	Article	IF	Citations
217	Restoration gaps needed to exceed a threshold size to impede sealed lesion arrest in vitro. Journal of Dentistry, 2016, 48, 77-80.	1.7	15
218	Donâ€™t Know, Canâ€™t Do, Wonâ€™t Change. Journal of Dental Research, 2016, 95, 485-486.	2.5	34
219	Managing Carious Lesions. Advances in Dental Research, 2016, 28, 46-48.	3.6	23
220	Managing Carious Lesions: Consensus Recommendations on Terminology. Advances in Dental Research, 2016, 28, 49-57.	3.6	246
221	Managing Carious Lesions. Advances in Dental Research, 2016, 28, 58-67.	3.6	493
222	Inhibition of hybrid layer degradation by cavity pretreatment: Meta- and trial sequential analysis. Journal of Dentistry, 2016, 49, 14-21.	1.7	38
223	Cost-effectiveness of repairing versus replacing composite or amalgam restorations. Journal of Dentistry, 2016, 54, 41-47.	1.7	49
224	Effects of Taxing Sugar-Sweetened Beverages on Caries and Treatment Costs. Journal of Dental Research, 2016, 95, 1327-1332.	2.5	74
225	Managing molar-incisor hypomineralization: A systematic review. Journal of Dentistry, 2016, 55, 16-24.	1.7	109
226	Costâ€effectiveness of regular versus irregular supportive periodontal therapy or tooth removal. Journal of Clinical Periodontology, 2016, 43, 940-947.	2.3	23
227	Cost-effectiveness of Single- Versus Multistep Root Canal Treatment. Journal of Endodontics, 2016, 42, 1446-1452.	1.4	19
228	Understanding dentistsâ€™ management of deep carious lesions in permanent teeth: a systematic review and meta-analysis. Implementation Science, 2016, 11, 142.	2.5	49
229	Artificial Versus Natural Teeth for Preclinical Endodontic Training: A Randomized Controlled Trial. Journal of Endodontics, 2016, 42, 1212-1217.	1.4	41
230	Radiographic, antibacterial and bond-strength effects of radiopaque caries tagging. Scientific Reports, 2016, 6, 27319.	1.6	8
231	Dental filling materials for managing carious lesions in the primary dentition. The Cochrane Library, 2016, , .	1.5	4
232	Retention costs of periodontally compromised molars in a German population. Journal of Clinical Periodontology, 2016, 43, 261-270.	2.3	29
233	Restoration outcomes after restoring vital teeth with advanced caries lesions: a practice-based retrospective study. Clinical Oral Investigations, 2016, 20, 1675-1681.	1.4	9
234	How do we create, and improve, the evidence base?. British Dental Journal, 2016, 220, 651-655.	0.3	21

#	Article	IF	Citations
235	Response to Letter to the Editor: Compositesâ€"The Best Choice for Load-Bearing Cavitated Lesions in Permanent Teeth?. Journal of Dental Research, 2016, 95, 1074-1074.	2.5	1
236	Patientsâ€™ preferences for selective versus complete excavation: A mixed-methods study. Journal of Dentistry, 2016, 46, 47-53.	1.7	9
237	Directly Placed Restorative Materials. Journal of Dental Research, 2016, 95, 613-622.	2.5	101
238	Probiotics for managing caries and periodontitis: Systematic review and meta-analysis. Journal of Dentistry, 2016, 48, 16-25.	1.7	204
239	Effect of Industry Sponsorship on Dental Restorative Trials. Journal of Dental Research, 2016, 95, 9-16.	2.5	18
240	Detecting Proximal Secondary Caries Lesions. Journal of Dental Research, 2016, 95, 152-159.	2.5	19
241	Removal of simulated biofilm: a preclinical ergonomic comparison of instruments and operators. Clinical Oral Investigations, 2016, 20, 1193-1201.	1.4	6
242	Detecting Secondary Caries Lesions. Journal of Dental Research, 2016, 95, 143-151.	2.5	94
243	Outcomes in Trials for Management of Caries Lesions (OuTMaC): protocol. Trials, 2015, 16, 397.	0.7	18
244	Micro-invasive interventions for managing proximal dental decay in primary and permanent teeth. The Cochrane Library, 2015, 2015, CD010431.	1.5	73
245	Prognostic factors for the loss of molars â€“ an 18â€yyears retrospective cohort study. Journal of Clinical Periodontology, 2015, 42, 943-950.	2.3	69
246	Dental caries, fluorosis, and oral health behavior of children from Herat, Afghanistan. Community Dentistry and Oral Epidemiology, 2015, 43, 521-531.	0.9	13
247	Periodontal Treatment for Preventing Adverse Pregnancy Outcomes: A Meta- and Trial Sequential Analysis. PLoS ONE, 2015, 10, e0129060.	1.1	41
248	Secondary Treatment for Asymptomatic Root Canal TreatedÂTeeth: A Cost-effectiveness Analysis. Journal of Endodontics, 2015, 41, 812-816.	1.4	11
249	Subgingival instrumentation to remove simulated plaque in vitro: influence of operatorsâ€™ experience and type of instrument. Clinical Oral Investigations, 2015, 19, 987-995.	1.4	11
250	In vitro Induction of Residual Caries Lesions in Dentin: Comparative Mineral Loss and Nano-Hardness Analysis. Caries Research, 2015, 49, 259-265.	0.9	31
251	Pulpal Remineralisation of Artificial Residual Caries Lesions in vitro. Caries Research, 2015, 49, 591-594.	0.9	5
252	Managing caries: the need to close the gap between the evidence base and current practice. British Dental Journal, 2015, 219, 433-438.	0.3	22

#	Article	IF	Citations
253	Chemomechanical Excavation is More Time-consuming Than Rotary, but not Necessarily Hand Excavation. Journal of Evidence-based Dental Practice, 2015, 15, 190-192.	0.7	2
254	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, 327-334.	1.7	12
255	Treating Pit-and-Fissure Caries. Journal of Dental Research, 2015, 94, 522-533.	2.5	59
256	Antibacterial effects of cavity lining: A systematic review and network meta-analysis. Journal of Dentistry, 2015, 43, 1298-1307.	1.7	32
257	Radiographic caries detection: A systematic review and meta-analysis. Journal of Dentistry, 2015, 43, 924-933.	1.7	175
258	Selective or stepwise removal of deep caries in deciduous molars: study protocol for a randomized controlled trial. Trials, 2015, 16, 11.	0.7	13
259	Detection and treatment of proximal caries lesions: Milieu-specific costâ€“effectiveness analysis. Journal of Dentistry, 2015, 43, 647-655.	1.7	44
260	Stem Cell Transplantation for Pulpal Regeneration: A Systematic Review. Tissue Engineering - Part B: Reviews, 2015, 21, 451-460.	2.5	34
261	Preventing and Treating Periâ€Implantitis: A Costâ€Effectiveness Analysis. Journal of Periodontology, 2015, 86, 1020-1029.	1.7	32
262	Choice of comparator in restorative trials: A network analysis. Dental Materials, 2015, 31, 1502-1509.	1.6	14
263	Why we need a core outcome set for trials of interventions for prevention and management of caries. Evidence-Based Dentistry, 2015, 16, 66-68.	0.3	17
264	Calcium Hydroxide versus Mineral Trioxide Aggregate for Direct Pulp Capping: A Cost-effectiveness Analysis. Journal of Endodontics, 2015, 41, 1969-1974.	1.4	31
265	Cavity lining after excavating caries lesions: Meta-analysis and trial sequential analysis of randomized clinical trials. Journal of Dentistry, 2015, 43, 1291-1297.	1.7	28
266	Socioeconomic Inequality and Caries. Journal of Dental Research, 2015, 94, 10-18.	2.5	508
267	Effects of using different criteria for caries removal: A systematic review and network meta-analysis. Journal of Dentistry, 2015, 43, 1-15.	1.7	66
268	Detecting and Treating Occlusal Caries Lesions. Journal of Dental Research, 2015, 94, 272-280.	2.5	47
269	In Vitro Comparison of Raypex 6 and Endopilot Using a Novel, Computer-Aided Measurement System, for Determining the Working Length. PLoS ONE, 2015, 10, e0134383.	1.1	4
270	Comparison of Four Methods to Assess Erosive Substance Loss of Dentin. PLoS ONE, 2014, 9, e108064.	1.1	8

#	Article	IF	Citations
271	Cost-effectiveness of caries excavations in different risk groups â˜’ a micro-simulation study. BMC Oral Health, 2014, 14, 153.	0.8	35
272	Fracture resistance and cuspal deflection of incompletely excavated teeth. Journal of Dentistry, 2014, 42, 107-113.	1.7	25
273	Retaining or replacing molars with furcation involvement: a costâ€effectiveness comparison of different strategies. Journal of Clinical Periodontology, 2014, 41, 1090-1097.	2.3	70
274	Direct Pulp Capping after a Carious Exposure Versus Root Canal Treatment: A Cost-effectiveness Analysis. Journal of Endodontics, 2014, 40, 1764-1770.	1.4	89
275	Cariogenic Effects of Probiotic <i>Lactobacillus rhamnosus GG </i>in a Dental Biofilm Model. Caries Research, 2014, 48, 186-192.	0.9	50
276	Marginal integrity and secondary caries of selectively excavated teeth in vitro. Journal of Dentistry, 2014, 42, 1261-1268.	1.7	37
277	Effects of heat-inactivated Bifidobacterium BB12 on cariogenicity of Streptococcus mutans in vitro. Archives of Oral Biology, 2014, 59, 1384-1390.	0.8	39
278	Radiopaque Tagging Masks Caries Lesions following Incomplete Excavation in vitro. Journal of Dental Research, 2014, 93, 565-570.	2.5	10
279	Costs and Effectiveness of Treatment Alternatives for Proximal Caries Lesions. PLoS ONE, 2014, 9, e86992.	1.1	59
280	Attitudes and Behaviour regarding Deep Dentin Caries Removal: A Survey among German Dentists. Caries Research, 2013, 47, 566-573.	0.9	78
281	Failure of incompletely excavated teethâ€”A systematic review. Journal of Dentistry, 2013, 41, 569-580.	1.7	93
282	Masking of white spot lesions by resin infiltration in vitro. Journal of Dentistry, 2013, 41, e28-e34.	1.7	110
283	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, 543-548.	1.7	92
284	Incomplete Caries Removal. Journal of Dental Research, 2013, 92, 306-314.	2.5	217
285	Prosthetic rehabilitation of patients with history of moderate to severe periodontitis: a longâ€term evaluation. Journal of Clinical Periodontology, 2013, 40, 799-806.	2.3	30
286	Cost-effectiveness of One- and Two-step Incomplete and Complete Excavations. Journal of Dental Research, 2013, 92, 880-887.	2.5	107
287	Baseline caries prevalence was the most accurate single predictor of caries risk in all age groups. Evidence-Based Dentistry, 2013, 14, 102-102.	0.3	5
288	Interventions for treating cavitated or dentine carious lesions. The Cochrane Library, 0, , .	1.5	5