

# Peter Bottenberg

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,943  
citations

361413

20  
h-index

276875

41  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longevity of Posterior Composite Restorations. <i>Journal of Dental Research</i> , 2014, 93, 943-949.	5.2	520
2	Development and Testing of Bioadhesive, Fluoride-containing Slow-release Tablets for Oral Use. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 457-464.	2.4	186
3	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. <i>Journal of Clinical Periodontology</i> , 2017, 44, S135-S144.	4.9	160
4	A survey of endodontic practice amongst Flemish dentists. <i>International Endodontic Journal</i> , 2002, 35, 759-767.	5.0	104
5	In-Vivo Intracanal Temperature Evolution during Endodontic Treatment after the Injection of Room Temperature or Preheated Sodium Hypochlorite. <i>Journal of Endodontics</i> , 2015, 41, 1112-1115.	3.1	101
6	Secondary caries: what is it, and how it can be controlled, detected, and managed?. <i>Clinical Oral Investigations</i> , 2020, 24, 1869-1876.	3.0	81
7	How to Intervene in the Caries Process in Children: A Joint ORCA and EFCD Expert Delphi Consensus Statement. <i>Caries Research</i> , 2020, 54, 297-305.	2.0	59
8	Efficacy of three different pulpotomy agents in primary molars: a randomized control trial. <i>International Endodontic Journal</i> , 2017, 50, 215-228.	5.0	50
9	A prospective randomized clinical trial of one bis-GMA-based and two ormocer-based composite restorative systems in class II cavities: Five-year results. <i>Journal of Dentistry</i> , 2009, 37, 198-203.	4.1	43
10	The COVID-19 pandemic and its global effects on dental practice. An International survey. <i>Journal of Dentistry</i> , 2021, 114, 103749.	4.1	40
11	Study of lead and cadmium content of surface enamel of schoolchildren from an industrial area in Belgium. <i>Community Dentistry and Oral Epidemiology</i> , 1991, 19, 107-111.	1.9	39
12	Clinical observations and success rates of palatal implants. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 114-122.	1.7	38
13	A prospective randomised clinical trial of one bis-GMA-based and two ormocer-based composite restorative systems in class II cavities: Three-year results. <i>Journal of Dentistry</i> , 2007, 35, 163-171.	4.1	34
14	How to intervene in the caries process in adults: proximal and secondary caries? An EFCD-ORCA-DGZ expert Delphi consensus statement. <i>Clinical Oral Investigations</i> , 2020, 24, 3315-3321.	3.0	27
15	Prevalence and Determinants of Enamel Fluorosis in Flemish Schoolchildren. <i>Caries Research</i> , 2004, 38, 20-28.	2.0	26
16	Penetration of etching agents and its influence on sealer penetration into fissures in vitro. <i>Dental Materials</i> , 1996, 12, 96-102.	3.5	24
17	How to Intervene in the Caries Process in Older Adults: A Joint ORCA and EFCD Expert Delphi Consensus Statement. <i>Caries Research</i> , 2020, 54, 459-465.	2.0	24
18	Comparison of micro-CT imaging and histology for approximal caries detection. <i>Scientific Reports</i> , 2017, 7, 6680.	3.3	23

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19	Randomised in situ clinical trial investigating self-assembling peptide matrix P11-4 in the prevention of artificial caries lesions. <i>Scientific Reports</i> , 2019, 9, 269.	3.3	22
20	Knowledge of Flemish paediatricians about children's oral health – results of a survey. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 959-963.	1.5	21
21	Comparison of occlusal caries detection using the ICDAS criteria on extracted teeth or their photographs. <i>BMC Oral Health</i> , 2016, 16, 93.	2.3	20
22	Comparison of salivary fluoride concentrations after administration of a bioadhesive slow-release tablet and a conventional fluoride tablet. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 44, 684-686.	2.4	19
23	European Organization for Caries Research Workshop: Methodology for Determination of Potentially Available Fluoride in Toothpastes. <i>Caries Research</i> , 2019, 53, 119-136.	2.0	19
24	In vivo Use of a Dual Acid Etch Biopsy for the Evaluation of Lead Profiles in Human Surface Enamel. <i>Caries Research</i> , 1991, 25, 256-263.	2.0	18
25	Monitoring the progression of erosive tooth wear (ETW) using BEWE index in casts and their 3D images: A retrospective longitudinal study. <i>Journal of Dentistry</i> , 2018, 73, 70-75.	4.1	18
26	Evaluation of marginal and internal fit of lithium disilicate CAD-CAM crowns with different finish lines by using a micro-CT technique. <i>Journal of Prosthetic Dentistry</i> , 2022, 127, 890-898.	2.8	16
27	Distribution of Fluoride in the Oral Cavity after Application of a Bioadhesive Fluoride-releasing Tablet. <i>Journal of Dental Research</i> , 1998, 77, 68-72.	5.2	15
28	Decision-making and preventive non-surgical therapy in the context of a European Core Curriculum in Cariology. <i>European Journal of Dental Education</i> , 2011, 15, 32-39.	2.0	14
29	Detection of cavitated or non-cavitated approximal enamel caries lesions using CMOS and CCD digital X-ray sensors and conventional D and F-speed films at different exposure conditions. <i>American Journal of Dentistry</i> , 2011, 24, 74-8.	0.1	14
30	Dentist Related Factors Associated with Implementation of COVID-19 Protective Measures: A National Survey. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8381.	2.6	12
31	Short-term anti-plaque effect of two chlorhexidine varnishes. <i>Journal of Clinical Periodontology</i> , 2005, 32, 899-904.	4.9	11
32	Stimuli involved in dental anxiety: What are patients afraid of?: A descriptive study. <i>International Journal of Paediatric Dentistry</i> , 2020, 30, 276-285.	1.8	11
33	Validity of an Information and Communication Technology System for Data Capture in Epidemiological Studies. <i>Caries Research</i> , 2011, 45, 287-293.	2.0	10
34	Prevalence, Caries, Dental Anxiety and Quality of Life in Children with MIH in Brussels, Belgium. <i>Journal of Clinical Medicine</i> , 2022, 11, 3065.	2.4	10
35	Approximal Caries Diagnosis after Data Import from Different Digital Radiography Systems: Interobserver Agreement and Comparison to Histological Hard-Tissue Sections. <i>Caries Research</i> , 2008, 42, 57-61.	2.0	9
36	Oral appliances in the treatment of oromandibular dystonia: a systematic review. <i>Acta Neurologica Belgica</i> , 2020, 120, 831-836.	1.1	9

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37	Influence of viscosity and surfactant on fissure penetration of dental fluoride gels in vitro. <i>International Journal of Pharmaceutics</i> , 1989, 49, 147-156.	5.2	8
38	Microhardness changes in surface enamel after application of bioadhesive fluoride tablets in situ. <i>Clinical Oral Investigations</i> , 2000, 4, 153-156.	3.0	8
39	Fluoride content of mineral waters on the Belgian market and a case report of fluorosis induced by mineral water use. <i>European Journal of Pediatrics</i> , 2004, 163, 626-7.	2.7	8
40	The Influence of Behavioural and Sociodemographic Risk Indicators on Erosive Tooth Wear in Flemish Adolescents, Belgium. <i>Caries Research</i> , 2018, 52, 119-128.	2.0	8
41	Oral health and healthcare utilization in Belgian dentate adults. <i>Community Dentistry and Oral Epidemiology</i> , 2019, 47, 381-388.	1.9	8
42	Associations between obesity, dental caries, erosive tooth wear and periodontal disease in adolescents: a caseâ€“control study. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2021, 22, 99-108.	1.9	8
43	2D image registration using focused mutual information for application in dentistry. <i>Computers in Biology and Medicine</i> , 2009, 39, 545-553.	7.0	7
44	Novel information theory based method for superimposition of lateral head radiographs and cone beam computed tomography images. <i>Dentomaxillofacial Radiology</i> , 2010, 39, 191-198.	2.7	6
45	Evaluation of the Fluoride Releasing and Recharging Abilities of Various Fissure Sealants. <i>Oral Health &amp; Preventive Dentistry</i> , 2018, , 96-103.	0.5	5
46	Behavior of Children during Dental Care with Rubber Dam Isolation: A Randomized Controlled Study. <i>Dentistry Journal</i> , 2021, 9, 89.	2.3	4
47	Social gradient in caries experience of Belgian adults 2010. <i>Community Dental Health</i> , 2018, 35, 160-166.	0.2	4
48	Penetration of some commercially available fluoride gels into occlusal fissures in vitro. <i>International Journal of Pharmaceutics</i> , 1990, 58, 203-208.	5.2	3
49	Validation of the Oral Survey-B System for Electronic Data Capture in National Oral Health Surveys. <i>Caries Research</i> , 2016, 50, 288-294.	2.0	3
50	Remineralisation capability of silver diamine fluoride in artificial enamel lesions on smooth surfaces using quantitative light-induced fluorescence measurements in-vitro. <i>Scientific Reports</i> , 2022, 12, 8498.	3.3	3
51	School Food Policies Related to Soft Drink and Fruit Juice Consumption as a Function of Education Type in Flanders, Belgium. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2718.	2.6	2
52	Grey value contrast sensitivity of dental practitioners in function of luminance and age. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180398.	2.7	2
53	Child behaviour during dental care under nitrous oxide sedation: a cohort study using two different gas distribution systems. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2020, 22, 409-415.	1.9	2
54	Evaluation of fluoride concentration in toothpastes with antimicrobial molecules commercialized in Brazil. <i>Research on Biomedical Engineering</i> , 2021, 37, 9-14.	2.2	2

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55	Salivary Fluoride Bioavailability after Brushing with Brazilian Red Propolis Dentifrice: A Clinical Study. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-7.	1.2	2
56	On the Gray-Value Sensibility of Dental Practitioners. IFMBE Proceedings, 2016, , 399-402.	0.3	1
57	Penetration of Fluoride-Containing Self-Gelling Liquids into Human Molar Occlusal Fissures in vitro. Caries Research, 1989, 23, 303-308.	2.0	0
58	Epidemiological Study of Jaw Cysts among a Part of the Belgian Population. Oral Medicine & Pathology, 2003, 8, 71-73.	0.2	0