

Marie Huysmans

List of Publications by Year in descending order

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Version: 2024-02-01

142
papers

6,528
citations

50276

46
h-index

79698

73
g-index

150
all docs

150
docs citations

150
times ranked

4354
citing authors

#	ARTICLE	IF	CITATIONS
1	A randomized controlled trial of manual versus powered tooth brushing during haematopoietic stem cell transplantation. <i>Oral Diseases</i> , 2022, 28, 1987-1994.	3.0	2
2	Non-carious cervical lesions (NCCLs) and associated factors: A multilevel analysis in a cohort study in southern Brazil. <i>Journal of Clinical Periodontology</i> , 2022, 49, 48-58.	4.9	3
3	In vitro Effect of Occlusal Loading on Cervical Wall Lesion Development in a Class II Composite Restoration. <i>Caries Research</i> , 2022, 56, 91-97.	2.0	2
4	Caries Progression after Haematopoietic Stem Cell Transplantation and the Role of Hyposalivation. <i>Caries Research</i> , 2022, 56, 187-196.	2.0	2
5	Significant salivary changes in relation to oral mucositis following autologous hematopoietic stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2021, 56, 1381-1390.	2.4	9
6	The effect of pre-treatment levels of tooth wear and the applied increase in the vertical dimension of occlusion (VDO) on the survival of direct resin composite restorations. <i>Journal of Dentistry</i> , 2021, 111, 103712.	4.1	18
7	Clinical performance of direct composite resin restorations in a full mouth rehabilitation for patients with severe tooth wear: 5.5-year results. <i>Journal of Dentistry</i> , 2021, 112, 103743.	4.1	26
8	Randomized controlled trial on the performance of direct and indirect composite restorations in patients with severe tooth wear. <i>Dental Materials</i> , 2021, 37, 1645-1654.	3.5	23
9	The effect of occlusal loading on cervical gap deformation: A 3D finite element analysis. <i>Dental Materials</i> , 2020, 36, 681-686.	3.5	5
10	Minimally Invasive Intervention for Primary Caries Lesions: Are Dentists Implementing This Concept?. <i>Caries Research</i> , 2019, 53, 204-216.	2.0	20
11	Impact of restorative treatment of tooth wear upon masticatory performance. <i>Journal of Dentistry</i> , 2019, 88, 103159.	4.1	11
12	Salivary Changes before and after Hematopoietic Stem Cell Transplantation: A Systematic Review. <i>Biology of Blood and Marrow Transplantation</i> , 2019, 25, 1055-1061.	2.0	30
13	Risk Factors for Dental Restoration Survival: A Practice-Based Study. <i>Journal of Dental Research</i> , 2019, 98, 414-422.	5.2	47
14	A threshold gap size for in situ secondary caries lesion development. <i>Journal of Dentistry</i> , 2019, 80, 36-40.	4.1	27
15	Impact of individual-risk factors on caries treatment performed by general dental practitioners. <i>Journal of Dentistry</i> , 2019, 81, 85-90.	4.1	7
16	Early salivary changes in multiple myeloma patients undergoing autologous HSCT. <i>Oral Diseases</i> , 2018, 24, 972-982.	3.0	9
17	Mimicking and Measuring Occlusal Erosive Tooth Wear with the "Rub&Roll" and Non-contact Profilometry. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	3
18	Clinical performance of full rehabilitations with direct composite in severe tooth wear patients: 3.5 Years results. <i>Journal of Dentistry</i> , 2018, 70, 97-103.	4.1	58

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19	Secondary caries development and the role of a matrix metalloproteinase inhibitor: A clinical in situ study. <i>Journal of Dentistry</i> , 2018, 71, 49-53.	4.1	8
20	The facial effects of tooth wear rehabilitation as measured by 3D stereophotogrammetry. <i>Journal of Dentistry</i> , 2018, 73, 105-109.	4.1	6
21	A practice based longevity study on single-unit crowns. <i>Journal of Dentistry</i> , 2018, 74, 43-48.	4.1	12
22	Clinical relevance of studies on the visual and radiographic methods for detecting secondary caries lesions – A systematic review. <i>Journal of Dentistry</i> , 2018, 75, 22-33.	4.1	22
23	Impact of tooth wear on masticatory performance. <i>Journal of Dentistry</i> , 2018, 76, 98-101.	4.1	18
24	Decision-making of general practitioners on interventions at restorations based on bitewing radiographs. <i>Journal of Dentistry</i> , 2018, 76, 109-116.	4.1	13
25	Impact of Oral Side Effects from Conditioning Therapy Before Hematopoietic Stem Cell Transplantation: Protocol for a Multicenter Study. <i>JMIR Research Protocols</i> , 2018, 7, e103.	1.0	18
26	A new in situ model to study erosive enamel wear, a clinical pilot study. <i>Journal of Dentistry</i> , 2017, 57, 32-37.	4.1	2
27	Effect of different surface treatment techniques on the repair strength of indirect composites. <i>Journal of Dentistry</i> , 2017, 59, 18-25.	4.1	29
28	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 <scp>EFP</scp>/<scp>ORCA</scp> workshop on the boundaries between caries and periodontal diseases. <i>Journal of Clinical Periodontology</i> , 2017, 44, S135-S144.	4.9	160
29	Repair may increase survival of direct posterior restorations – A practice based study. <i>Journal of Dentistry</i> , 2017, 64, 30-36.	4.1	59
30	Minimal Gap Size and Dentin Wall Lesion Development Next to Resin Composite in a Microcosm Biofilm Model. <i>Caries Research</i> , 2017, 51, 475-481.	2.0	20
31	<i>In vitro</i> biofilm models to study dental caries: a systematic review. <i>Biofouling</i> , 2017, 33, 661-675.	2.2	49
32	Longevity of Anterior Composite Restorations in a General Dental Practice-Based Network. <i>Journal of Dental Research</i> , 2017, 96, 1092-1099.	5.2	43
33	Prevalence and Associated Factors of Tooth Erosion in 8 -12-Year-Old Brazilian Schoolchildren. <i>Journal of Clinical Pediatric Dentistry</i> , 2017, 41, 343-350.	1.0	20
34	Bonding Efficacy and Fracture Pattern of Adhesives Submitted to Mechanical Aging with the Rub&Roll Device. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 59-68.	0.5	5
35	Case Report: A Predictable Technique to Establish Occlusal Contact in Extensive Direct Composite Resin Restorations: The DSO-Technique. <i>Operative Dentistry</i> , 2016, 41, S96-S108.	1.2	32
36	Failed bonded interfaces submitted to microcosm biofilm caries development. <i>Journal of Dentistry</i> , 2016, 52, 63-69.	4.1	10

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37	Ten-Year Survival of Class II Restorations Placed by General Practitioners. JDR Clinical and Translational Research, 2016, 1, 292-299.	1.9	27
38	3D Facial Effects of a Simulated Dental Build-up. Journal of Esthetic and Restorative Dentistry, 2016, 28, 397-404.	3.8	5
39	Bonding effectiveness of composite-dentin interfaces after mechanical loading with a new device (Rub&Roll). Dental Materials Journal, 2016, 35, 855-861.	1.8	8
40	Longevity of direct restorations in Dutch dental practices. Descriptive study out of a practice based research network. Journal of Dentistry, 2016, 46, 12-17.	4.1	85
41	Crown vs. composite for post-retained restorations: A randomized clinical trial. Journal of Dentistry, 2016, 48, 34-39.	4.1	50
42	Behavior of failed bonded interfaces under in vitro cariogenic challenge. Dental Materials, 2016, 32, 668-675.	3.5	12
43	A practice-based research network on the survival of ceramic inlay/onlay restorations. Dental Materials, 2016, 32, 687-694.	3.5	51
44	Secundaire cariës en de rol van randspleten. , 2016, , 149-158.		0
45	Secondary Caries Development in in situ Gaps next to Composite and Amalgam. Caries Research, 2015, 49, 557-563.	2.0	21
46	Diet influenced tooth erosion prevalence in children and adolescents: Results of a meta-analysis and meta-regression. Journal of Dentistry, 2015, 43, 865-875.	4.1	110
47	Consensus report of the European Federation of Conservative Dentistry: erosive tooth wearâ€”diagnosis and management. Clinical Oral Investigations, 2015, 19, 1557-1561.	3.0	199
48	Wall-lesion development in gaps: The role of the adhesive bonding material. Journal of Dentistry, 2015, 43, 1007-1012.	4.1	22
49	Estimated prevalence of erosive tooth wear in permanent teeth of children and adolescents: An epidemiological systematic review and meta-regression analysis. Journal of Dentistry, 2015, 43, 42-50.	4.1	176
50	Restoration Materials and Secondary Caries Using an In Vitro Biofilm Model. Journal of Dental Research, 2015, 94, 62-68.	5.2	52
51	Oral complaints and dental care of haematopoietic stem cell transplant patients: a qualitative survey of patients and their dentists. Supportive Care in Cancer, 2015, 23, 13-19.	2.2	4
52	The Role of Fluoride in Erosion Therapy. Monographs in Oral Science, 2014, 25, 230-243.	1.8	111
53	Gap Size and Wall Lesion Development Next to Composite. Journal of Dental Research, 2014, 93, 108S-113S.	5.2	52
54	Longevity of Posterior Composite Restorations. Journal of Dental Research, 2014, 93, 943-949.	5.2	520

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55	The influence of different restorative materials on secondary caries development in situ. Journal of Dentistry, 2014, 42, 1171-1177.	4.1	39
56	Indirect restorations for severe tooth wear: Fracture risk and layer thickness. Journal of Dentistry, 2014, 42, 413-418.	4.1	32
57	Comparison between visual clinical examination and the replica method for assessments of sealant retention over a 2-year period. International Journal of Oral Science, 2014, 6, 111-115.	8.6	5
58	Do light cured ART conventional high-viscosity glass-ionomer sealants perform better than resin-composite sealants: A 4-year randomized clinical trial. Dental Materials, 2014, 30, 487-492.	3.5	32
59	Effect of thickness of bonded composite resin on compressive strength. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 42-47.	3.1	7
60	A multifunctional device to simulate oral ageing: the "Roll" Journal of the Mechanical Behavior of Biomedical Materials, 2014, 30, 75-82.	3.1	24
61	Self-healing hybrid nanocomposites consisting of bisphosphonated hyaluronan and calcium phosphate nanoparticles. Biomaterials, 2014, 35, 6918-6929.	11.4	130
62	A Practice-based Study on the Survival of Restored Endodontically Treated Teeth. Journal of Endodontics, 2013, 39, 1335-1340.	3.1	48
63	Reduction of Erosion by Protein-Containing Toothpastes. Caries Research, 2013, 47, 135-140.	2.0	18
64	Saliva Parameters and Erosive Wear in Adolescents. Caries Research, 2013, 47, 548-552.	2.0	31
65	Hydrodynamic Flow through Loading and <i>in vitro</i> Secondary Caries Development. Journal of Dental Research, 2013, 92, 383-387.	5.2	32
66	Shifts in the Microbial Population in Relation to <i>in situ</i> Caries Progression. Caries Research, 2012, 46, 427-431.	2.0	20
67	Estimated erosive potential depends on exposure time. Journal of Dentistry, 2012, 40, 1103-1108.	4.1	28
68	Proximal Marginal Overhang of Composite Restorations in Relation to Placement Technique of Separation Rings. Operative Dentistry, 2012, 37, 21-27.	1.2	10
69	Longevity of repaired restorations: A practice based study. Journal of Dentistry, 2012, 40, 829-835.	4.1	117
70	Effectiveness of two new types of sealants: retention after 2 years. Clinical Oral Investigations, 2012, 16, 1443-1450.	3.0	45
71	The influence of approximal restoration extension on the development of secondary caries. Journal of Dentistry, 2012, 40, 241-247.	4.1	51
72	Caries-preventive effect of sealants produced with altered glass-ionomer materials, after 2 years. Dental Materials, 2012, 28, 554-560.	3.5	43

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73	Reduction of Erosive Wear in situ by Stannous Fluoride-Containing Toothpaste. <i>Caries Research</i> , 2011, 45, 518-523.	2.0	57
74	An <i>in vitro</i> biofilm model for enamel demineralization and antimicrobial dose-response studies. <i>Biofouling</i> , 2011, 27, 1057-1063.	2.2	50
75	Age of failed restorations: A deceptive longevity parameter. <i>Journal of Dentistry</i> , 2011, 39, 225-230.	4.1	58
76	Surface roughness of etched composite resin in light of composite repair. <i>Journal of Dentistry</i> , 2011, 39, 499-505.	4.1	66
77	Factors associated with the incidence of erosive wear in upper incisors and lower first molars: A multifactorial approach. <i>Journal of Dentistry</i> , 2011, 39, 558-563.	4.1	28
78	European Core Curriculum in Cariology for undergraduate dental students. <i>European Journal of Dental Education</i> , 2011, 15, 9-17.	2.0	71
79	A survey on education in cariology for undergraduate dental students in Europe. <i>European Journal of Dental Education</i> , 2011, 15, 3-8.	2.0	39
80	A European Core Curriculum in Cariology: the knowledge base. <i>European Journal of Dental Education</i> , 2011, 15, 18-22.	2.0	15
81	Is there one optimal repair technique for all composites?. <i>Dental Materials</i> , 2011, 27, 701-709.	3.5	126
82	Effect of Salivary Factors on the Susceptibility of Hydroxyapatite to Early Erosion. <i>Caries Research</i> , 2011, 45, 532-537.	2.0	35
83	Multifactorial Analysis of Factors Associated with the Incidence and Progression of Erosive Tooth Wear. <i>Caries Research</i> , 2011, 45, 303-312.	2.0	85
84	In vitro Reduction of Dental Erosion by Low-Concentration TiF4 Solutions. <i>Caries Research</i> , 2011, 45, 142-147.	2.0	17
85	European Core Curriculum in Cariology for Undergraduate Dental Students. <i>Caries Research</i> , 2011, 45, 336-345.	2.0	24
86	Clinical Studies of Dental Erosion and Erosive Wear. <i>Caries Research</i> , 2011, 45, 60-68.	2.0	146
87	Clinical performance of direct composite restorations for treatment of severe tooth wear. <i>Journal of Adhesive Dentistry</i> , 2011, 13, 585-93.	0.5	60
88	Hydrofluoric acid on dentin should be avoided. <i>Dental Materials</i> , 2010, 26, 643-649.	3.5	30
89	Human and bovine enamel erosion under "single drink" conditions. <i>European Journal of Oral Sciences</i> , 2010, 118, 604-609.	1.5	45
90	12-year Survival of Composite vs Amalgam Restorations. <i>Journal of Dental Research</i> , 2010, 89, 1063-1067.	5.2	424

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91	Long-term performance of resin based fissure sealants placed in a general dental practice. <i>Journal of Dentistry</i> , 2010, 38, 23-28.	4.1	11
92	Dynamics of tooth erosion in adolescents: A 3-year longitudinal study. <i>Journal of Dentistry</i> , 2010, 38, 131-137.	4.1	88
93	Does Incomplete Caries Removal Reduce Strength of Restored Teeth?. <i>Journal of Dental Research</i> , 2010, 89, 1270-1275.	5.2	68
94	Glossary of Key Terms. <i>Monographs in Oral Science</i> , 2009, 21, 209-216.	1.8	53
95	The influence of three barrier membranes on modeling and incorporation of autologous onlay bone grafts in rats. An evaluation by transversal microradiography. <i>Archives of Oral Biology</i> , 2009, 54, 549-555.	1.8	0
96	Fluoride release and cariostatic potential of orthodontic adhesives with and without daily fluoride rinsing. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009, 136, 547-553.	1.7	39
97	VivosorbÂ® as a barrier membrane in rat mandibular defects. An evaluation with transversal microradiography. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2009, 38, 870-875.	1.5	22
98	Penetration of amalgam constituents into dentine. <i>Journal of Dentistry</i> , 2009, 37, 366-373.	4.1	26
99	Restoration techniques and marginal overhang in Class II composite resin restorations. <i>Journal of Dentistry</i> , 2009, 37, 712-717.	4.1	46
100	Bacterial composition and red fluorescence of plaque in relation to primary and secondary caries next to composite: an <i>in situ</i> study. <i>Oral Microbiology and Immunology</i> , 2008, 23, 7-13.	2.8	56
101	A comparison of micro-CT, microradiography and histomorphometry in bone research. <i>Archives of Oral Biology</i> , 2008, 53, 558-566.	1.8	64
102	Monitoring dental erosion by colour measurement: An <i>in vitro</i> study. <i>Journal of Dentistry</i> , 2008, 36, 731-735.	4.1	21
103	Influence of Beverage Composition on the Results of Erosive Potential Measurement by Different Measurement Techniques. <i>Caries Research</i> , 2008, 42, 98-104.	2.0	22
104	Approximal Secondary Caries Lesion Progression, a 20-Week <i>in situ</i> Study. <i>Caries Research</i> , 2007, 41, 399-405.	2.0	48
105	Inhibition of Erosive Wear by Fluoride Varnish. <i>Caries Research</i> , 2007, 41, 61-67.	2.0	49
106	Clinical failure of class-II restorations of a highly viscous glass-ionomer material over a 6-year period: A retrospective study. <i>Journal of Dentistry</i> , 2007, 35, 156-162.	4.1	80
107	Effect of ethylene oxide sterilization on enamel and dentin demineralization <i>in vitro</i> . <i>Journal of Dentistry</i> , 2007, 35, 547-551.	4.1	30
108	Parallel post-space preparation in different tooth types <i>ex vivo</i> : deviation from the canal centre and remaining dentine thickness. <i>International Endodontic Journal</i> , 2007, 40, 778-785.	5.0	7

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109	Toothbrush abrasion, simulated tongue friction and attrition of eroded bovine enamel in vitro. <i>Journal of Dentistry</i> , 2006, 34, 336-342.	4.1	48
110	Bond strength of resin composite to differently conditioned amalgam. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 7-13.	3.6	25
111	Brushing Abrasion of Eroded Bovine Enamel Pretreated with Topical Fluorides. <i>Caries Research</i> , 2006, 40, 224-230.	2.0	53
112	An in vitro Comparison between Two Methods of Electrical Resistance Measurement for Occlusal Caries Detection. <i>Caries Research</i> , 2006, 40, 104-111.	2.0	15
113	Red Autofluorescence of Dental Plaque Bacteria. <i>Caries Research</i> , 2006, 40, 542-545.	2.0	84
114	Transversal Wavelength-Independent Microradiography, a Method for Monitoring Caries Lesions over Time, Validated with Transversal Microradiography. <i>Caries Research</i> , 2006, 40, 281-291.	2.0	44
115	Effect of three surface conditioning methods to improve bond strength of particulate filler resin composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 21-27.	3.6	102
116	Reproducibility of Electrical Caries Measurements: A Technical Problem?. <i>Caries Research</i> , 2005, 39, 403-410.	2.0	11
117	Effect of Fluoridated Toothpicks and Dental Flosses on Enamel and Dentine and on Plaque Composition in situ. <i>Caries Research</i> , 2005, 39, 52-59.	2.0	7
118	Effect of Titanium Tetrafluoride, Amine Fluoride and Fluoride Varnish on Enamel Erosion in vitro. <i>Caries Research</i> , 2005, 39, 371-379.	2.0	85
119	Effect of drying time of 3-methacryloxypropyltrimethoxysilane on the shear bond strength of a composite resin to silica-coated base/noble alloys. <i>Dental Materials</i> , 2004, 20, 586-590.	3.5	42
120	Bonding polycarbonate brackets to ceramic: Effects of substrate treatment on bond strength. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004, 126, 220-227.	1.7	57
121	The reproducibility of ultrasonic enamel thickness measurements: an in vitro study. <i>Journal of Dentistry</i> , 2004, 32, 83-89.	4.1	41
122	Erosionâ€inhibiting effect of sodium fluoride and titanium tetrafluoride treatment <i>in vitro</i>. <i>European Journal of Oral Sciences</i> , 2003, 111, 253-257.	1.5	86
123	TO THE EDITOR:. <i>Journal of Dental Research</i> , 2003, 82, 862-863.	5.2	2
124	Caries Detection Methods: Can They Aid Decision Making for Invasive Sealant Treatment?. <i>Caries Research</i> , 2001, 35, 83-89.	2.0	45
125	Relationship between Mineral Distributions in Dentine Lesions and Subsequent Remineralization in vitro. <i>Caries Research</i> , 2000, 34, 395-403.	2.0	90
126	Temperature Dependence of the Electrical Resistance of Sound and Carious Teeth. <i>Journal of Dental Research</i> , 2000, 79, 1464-1468.	5.2	18

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127	Ultrasonic measurement of enamel thickness: a tool for monitoring dental erosion?. Journal of Dentistry, 2000, 28, 187-191.	4.1	67
128	Effects of alternating and direct electrical current application on the odontoblastic layer in human teeth: an in vitro study. International Endodontic Journal, 1999, 32, 459-463.	5.0	2
129	Surface-Specific Electrical Occlusal Caries Diagnosis: Reproducibility, Correlation with Histological Lesion Depth, and Tooth Type Dependence. Caries Research, 1998, 32, 330-336.	2.0	28
130	Electrical Methods in Occlusal Caries Diagnosis: An in vitro Comparison with Visual Inspection and Bite-Wing Radiography. Caries Research, 1998, 32, 324-329.	2.0	49
131	Wavelength-Dependent Fibre-Optic Transillumination of Small Approximal Caries Lesions: The Use of a Dye, and a Comparison to Bitewing Radiography. Caries Research, 1997, 31, 232-237.	2.0	12
132	Effect of exposure time on in vitro caries diagnosis using the Digora® system. European Journal of Oral Sciences, 1997, 105, 15-20.	1.5	35
133	The influence of simulated clinical handling on the flexural and compressive strength of posterior composite restorative materials. Dental Materials, 1996, 12, 116-120.	3.5	28
134	Detection of dental decay and its extent using a.c. impedance spectroscopy. Nature Medicine, 1996, 2, 235-237.	30.7	52
135	Electrical Conductance and Electrode Area on Sound Smooth Enamel in Extracted Teeth. Caries Research, 1995, 29, 88-93.	2.0	26
136	Validity of Electrical Conductance Measurements in Evaluating the Marginal Integrity of Sealant Restorations. Caries Research, 1995, 29, 100-106.	2.0	16
137	Mechanical longevity estimation model for post-and-core restorations. Dental Materials, 1995, 11, 252-257.	3.5	23
138	Finite element analysis of quasistatic and fatigue failure of post and cores. Journal of Dentistry, 1993, 21, 57-64.	4.1	37
139	Failure behaviour of fatigue-tested post and cores. International Endodontic Journal, 1993, 26, 294-300.	5.0	19
140	Fatigue Behavior of Direct Post-and-core-restored Premolars. Journal of Dental Research, 1992, 71, 1145-1150.	5.2	42
141	Failure characteristics of endodontically treated premolars restored with a post and direct restorative material. International Endodontic Journal, 1992, 25, 121-129.	5.0	12
142	The Weibull distribution applied to post and core failure. Dental Materials, 1992, 8, 283-288.	3.5	9