

# Wim Coucke

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

2,846  
citations

32  
h-index

51  
g-index

105  
ext. papers

3,423  
ext. citations

4.5  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
99	Strategy and Performance Evaluation of Low-Frequency Variant Calling for SARS-CoV-2 Using Targeted Deep Illumina Sequencing. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 747458	5.7	1
98	Donor- and recipient-site morbidity of vascularized fibular and iliac flaps for mandibular reconstruction: A systematic review and meta-analysis. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> , 74, 1470-1479	1.7	0
97	Non-Invasive versus Invasive Samples for Zika Virus Surveillance: A Comparative Study in New Caledonia and French Guiana in 2015-2016. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
96	Osteomyelitis, osteoradionecrosis, or medication-related osteonecrosis of the jaws? Can CBCT enhance radiographic diagnosis?. <i>Oral Diseases</i> , <b>2021</b> , 27, 312-319	3.5	5
95	The agreement between magnetic resonance imaging and arthroscopic findings in temporomandibular joint disorders. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2021</b> , 50, 657-664	2.9	2
94	Improved clinical outcomes after non-invasive oocyte selection and Day 3 eSET in ICSI patients. <i>Reproductive Biology and Endocrinology</i> , <b>2021</b> , 19, 26	5	1
93	Belgian rare diseases plan in clinical pathology: identification of key biochemical diagnostic tests and establishment of reference laboratories and financing conditions. <i>Orphanet Journal of Rare Diseases</i> , <b>2021</b> , 16, 89	4.2	
92	Frequency of Participation in External Quality Assessment Programs Focused on Rare Diseases: Belgian Guidelines for Human Genetics Centers. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e27980	3.6	
91	Coverage of the national surveillance system for human Salmonella infections, Belgium, 2016-2020. <i>PLoS ONE</i> , <b>2021</b> , 16, e0256820	3.7	1
90	Regenerative Endodontic Procedure of Immature Permanent Teeth with Leukocyte and Platelet-rich Fibrin: A Multicenter Controlled Clinical Trial. <i>Journal of Endodontics</i> , <b>2021</b> , 47, 1729-1750	4.7	1
89	The influence of image display systems on observers' preference for visualizing subtle dental radiographic abnormalities. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2021</b> , 132, 475-482	2	
88	NGS for (Hemato-) Oncology in Belgium: Evaluation of Laboratory Performance and Feasibility of a National External Quality Assessment Program. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
87	A new method for monitoring harmonization of laboratory results within EQA schemes. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2020</b> , 58, e217-e219	5.9	1
86	Accuracy and reliability of 2-dimensional photography versus 3-dimensional soft tissue imaging. <i>Imaging Science in Dentistry</i> , <b>2020</b> , 50, 15-22	2.2	6
85	Molecular Study of Isolates Originating from Humans and Organic Pigs in Belgium. <i>Foodborne Pathogens and Disease</i> , <b>2020</b> , 17, 316-321	3.8	2
84	To Win the Battle, First Know Your Enemy: Error Rates in Immunohematology External Quality Assessment Results. <i>Transfusion Medicine and Hemotherapy</i> , <b>2020</b> , 47, 80-87	4.2	1
83	Current laboratory and clinical practices in reporting and interpreting anti-nuclear antibody indirect immunofluorescence (ANA IIF) patterns: results of an international survey. <i>Autoimmunity Highlights</i> , <b>2020</b> , 11, 17	3.7	4

82	A critical view at the ISO 13528 and IUPACs harmonized protocol approach for proficiency testing for homogeneity assessment for quantitative variables. <i>Analyst, The</i> , <b>2020</b> , 145, 7630-7635	5	1
81	Image quality optimization of narrow detector dental computed tomography for paediatric patients. <i>Dentomaxillofacial Radiology</i> , <b>2019</b> , 48, 20190032	3.9	4
80	Radiographic prediction of mandibular third molar eruption and mandibular canal involvement based on angulation. <i>Orthodontics and Craniofacial Research</i> , <b>2019</b> , 22, 118-123	3	13
79	Randomized controlled trial comparing immediate loading with conventional loading using cone-anchored implant-supported screw-retained removable prostheses: A 2-year follow-up clinical trial. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 258-264	4	1
78	Accuracy of computer-assisted mandibular reconstructions with free fibula flap: Results of a single-center series. <i>Oral Oncology</i> , <b>2019</b> , 97, 69-75	4.4	14
77	Alternative Sample-Homogeneity Test for Quantitative and Qualitative Proficiency Testing Schemes. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1847-1854	7.8	1
76	Image quality optimization using a narrow vertical detector dental cone-beam CT. <i>Dentomaxillofacial Radiology</i> , <b>2019</b> , 48, 20180357	3.9	6
75	Healing of toothbrush-induced abrasions to keratinized mucosa of the palate in humans: A pilot study. <i>Journal of Periodontal Research</i> , <b>2018</b> , 53, 506-513	4.3	
74	A 5-year randomized clinical trial comparing minimally with moderately rough implants in patients with severe periodontitis. <i>Journal of Clinical Periodontology</i> , <b>2018</b> , 45, 711-720	7.7	12
73	Pork as a source of transmission of <i>Toxoplasma gondii</i> to humans: a parasite burden study in pig tissues after infection with different strains of <i>Toxoplasma gondii</i> as a function of time and different parasite stages. <i>International Journal for Parasitology</i> , <b>2018</b> , 48, 555-560	4.3	17
72	A pragmatic bottom-up approach to harmonize the units of clinical chemistry tests among Belgian clinical laboratories, focusing on immunoassays. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2018</b> , 57, 12-19	5.9	2
71	Relationship of implant stability and bone density derived from computerized tomography images. <i>Clinical Implant Dentistry and Related Research</i> , <b>2018</b> , 20, 50-57	3.9	10
70	Microbial population changes in patients with medication-related osteonecrosis of the jaw treated with systemic antibiotics. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2018</b> , 125, 268-275	2	10
69	Associated parameters of canine impaction in patients with unilateral cleft lip and palate after secondary alveolar bone grafting: a retrospective study. <i>European Journal of Orthodontics</i> , <b>2018</b> , 40, 575-582	3.3	6
68	Evidence for the positive impact of ISO 9001 and ISO 15189 quality systems on laboratory performance - evaluation of immunohaematology external quality assessment results during 19 years in Austria. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2018</b> , 56, 2039-2046	5.9	4
67	Group 5 ITI Consensus Report: Digital technologies. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29 Suppl 16, 436-442	4.8	45
66	The accuracy of static computer-aided implant surgery: A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29 Suppl 16, 416-435	4.8	115
65	The fate of buccal bone around dental implants. A 12-month postloading follow-up study. <i>Clinical Oral Implants Research</i> , <b>2017</b> , 28, 103-108	4.8	14

64	A new approach to define acceptance limits for hematology in external quality assessment schemes. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 1936-1942	5.9	1
63	As Low Dose as Sufficient Quality: Optimization of Cone-beam Computed Tomographic Scanning Protocol for Tooth Autotransplantation Planning and Follow-up in Children. <i>Journal of Endodontics</i> , <b>2017</b> , 43, 210-217	4.7	31
62	Stimulation of the Gasserian ganglion in the treatment of refractory trigeminal neuropathy. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2017</b> , 45, 39-46	3.6	16
61	A more sensitive, efficient and ISO 17025 validated Magnetic Capture real time PCR method for the detection of archetypal <i>Toxoplasma gondii</i> strains in meat. <i>International Journal for Parasitology</i> , <b>2017</b> , 47, 875-884	4.3	13
60	Peer groups splitting in Croatian EQA scheme: a trade-off between homogeneity and sample size number. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 539-545	5.9	1
59	Demystifying EQA statistics and reports. <i>Biochemia Medica</i> , <b>2017</b> , 27, 37-48	2.5	12
58	Update of Standard Practices for New Method Validation in Forensic Toxicology. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 5442-5454	3.3	67
57	Assessment of antibiotic residues in commercial and farm milk collected in the region of Guelma (Algeria). <i>International Journal of Food Contamination</i> , <b>2016</b> , 3,	4.1	11
56	Accuracy of linear measurements using three imaging modalities: two lateral cephalograms and one 3D model from CBCT data. <i>European Journal of Orthodontics</i> , <b>2015</b> , 37, 202-8	3.3	41
55	Relation between Spongy Bone Density in the Maxilla and Skeletal Bone Density. <i>Clinical Implant Dentistry and Related Research</i> , <b>2015</b> , 17, 1180-7	3.9	8
54	Depth and lateral deviations in guided implant surgery: an RCT comparing guided surgery with mental navigation or the use of a pilot-drill template. <i>Clinical Oral Implants Research</i> , <b>2015</b> , 26, 1315-20	4.8	49
53	The accuracy of guided surgery via mucosa-supported stereolithographic surgical templates in the hands of surgeons with little experience. <i>Clinical Oral Implants Research</i> , <b>2015</b> , 26, 1489-94	4.8	47
52	Non-surgical periodontal therapy with systemic antibiotics in patients with untreated chronic periodontitis: a systematic review and meta-analysis. <i>Journal of Periodontal Research</i> , <b>2015</b> , 50, 294-314	4.3	100
51	Prediction of implant loss and marginal bone loss by analysis of dental panoramic radiographs. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2015</b> , 30, 372-7	2.8	7
50	Influence of dabigatran and rivaroxaban on routine coagulation assays. A nationwide Belgian survey. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 154-64	7	60
49	The proportion of cancellous bone as predictive factor for early marginal bone loss around implants in the posterior part of the mandible. <i>Clinical Oral Implants Research</i> , <b>2015</b> , 26, 1051-9	4.8	19
48	Application of the characteristic function to evaluate and compare analytical variability in an external quality assessment scheme for serum ethanol. <i>Clinical Chemistry</i> , <b>2015</b> , 61, 948-54	5.5	8
47	Non-surgical periodontal therapy with systemic antibiotics in patients with untreated aggressive periodontitis: a systematic review and meta-analysis. <i>Journal of Periodontal Research</i> , <b>2015</b> , 50, 689-706	4.3	68

46	The outcome of oral implants placed in bone with limited bucco-oral dimensions: a 3-year follow-up study. <i>Journal of Clinical Periodontology</i> , <b>2015</b> , 42, 311-8	7.7	14
45	A randomized clinical trial comparing guided implant surgery (bone- or mucosa-supported) with mental navigation or the use of a pilot-drill template. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 717-23	7.7	96
44	An RCT comparing patient-centred outcome variables of guided surgery (bone or mucosa supported) with conventional implant placement. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 724-32	7.7	24
43	Agreement between cone beam computed tomography images and panoramic radiographs for initial orthodontic evaluation. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2014</b> , 117, 111-9	2	9
42	One-stage full-mouth disinfection combined with a periodontal dressing: a randomized controlled clinical trial. <i>Journal of Clinical Periodontology</i> , <b>2014</b> , 41, 157-63	7.7	2
41	Evaluation of viability-qPCR detection system on viable and dead <i>Salmonella</i> serovar Enteritidis. <i>Journal of Microbiological Methods</i> , <b>2014</b> , 103, 131-7	2.8	49
40	Computer technology applications in surgical implant dentistry: a systematic review. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2014</b> , 29 Suppl, 25-42	2.8	260
39	A novel method to estimate the volume of bone defects using cone-beam computed tomography: an <i>in vitro</i> study. <i>Journal of Endodontics</i> , <b>2013</b> , 39, 1111-5	4.7	23
38	The role of <i>Solobacterium moorei</i> in oral malodour. <i>Journal of Breath Research</i> , <b>2013</b> , 7, 046006	3.1	21
37	Tongue coating: related factors. <i>Journal of Clinical Periodontology</i> , <b>2013</b> , 40, 180-5	7.7	35
36	Efficacy of different mouthrinse formulations in reducing oral malodour: a randomized clinical trial. <i>Journal of Clinical Periodontology</i> , <b>2013</b> , 40, 505-13	7.7	20
35	Usefulness of a new malodour-compound detection portable device in oral malodour diagnosis. <i>Journal of Breath Research</i> , <b>2013</b> , 7, 046005	3.1	12
34	Pregnancy prediction in single embryo transfer cycles after ICSI using QPCR: validation in oocytes from the same cohort. <i>PLoS ONE</i> , <b>2013</b> , 8, e54226	3.7	22
33	New candidate genes to predict pregnancy outcome in single embryo transfer cycles when using cumulus cell gene expression. <i>Fertility and Sterility</i> , <b>2012</b> , 98, 432-9.e1-4	4.8	51
32	Comparison of different approaches to evaluate External Quality Assessment Data. <i>Clinica Chimica Acta</i> , <b>2012</b> , 413, 582-6	6.2	15
31	RCT comparing implants with turned and anodically oxidized surfaces: a pilot study, a 3-year follow-up. <i>Journal of Clinical Periodontology</i> , <b>2012</b> , 39, 1183-90	7.7	16
30	Breath biomarkers of liver cirrhosis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 905, 17-22	3.2	43
29	RCT comparing minimally with moderately rough implants. Part 1: clinical observations. <i>Clinical Oral Implants Research</i> , <b>2012</b> , 23, 617-24	4.8	14

28	Neonatal thyroid-stimulating hormone concentrations in Belgium: a useful indicator for detecting mild iodine deficiency?. <i>PLoS ONE</i> , <b>2012</b> , 7, e47770	3.7	35
27	Longitudinal changes in gingival crevicular fluid after placement of fixed orthodontic appliances. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2011</b> , 139, 735-44	2.1	30
26	Longitudinal changes in microbiology and clinical periodontal parameters after removal of fixed orthodontic appliances. <i>European Journal of Orthodontics</i> , <b>2011</b> , 33, 15-21	3.3	46
25	Long-term, retrospective evaluation (implant and patient-centred outcome) of the two-implants-supported overdenture in the mandible. Part 1: survival rate. <i>Clinical Oral Implants Research</i> , <b>2010</b> , 21, 357-65	4.8	61
24	Relationship between cortical bone thickness or computerized tomography-derived bone density values and implant stability. <i>Clinical Oral Implants Research</i> , <b>2010</b> , 21, 612-7	4.8	71
23	Influence of bony defects on implant stability. <i>Clinical Oral Implants Research</i> , <b>2010</b> , 21, 919-23	4.8	11
22	A new statistical method for evaluating long-term analytical performance of laboratories applied to an external quality assessment scheme for flow cytometry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2010</b> , 48, 645-50	5.9	3
21	Current practices in antinuclear antibody testing: results from the Belgian External Quality Assessment Scheme. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2009</b> , 47, 102-8	5.9	19
20	Radiographic detection of artificial intra-bony defects in the edentulous area. <i>Clinical Oral Implants Research</i> , <b>2009</b> , 20, 273-9	4.8	13
19	Clinical and radiographic study of implant treatment outcome in periodontally susceptible and non-susceptible patients: a prospective long-term study. <i>Clinical Oral Implants Research</i> , <b>2009</b> , 20, 1341-50	4.8	88
18	Microbial adhesion on different bracket types in vitro. <i>Angle Orthodontist</i> , <b>2009</b> , 79, 915-21	2.6	27
17	Longitudinal changes in microbiology and clinical periodontal variables after placement of fixed orthodontic appliances. <i>Journal of Periodontology</i> , <b>2008</b> , 79, 2078-86	4.6	62
16	Timing of nuclear maturation and postovulatory aging in oocytes of in vitro-grown mouse follicles with or without oil overlay. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 859-68	3.9	35
15	Correlation between early perforation of cover screws and marginal bone loss: a retrospective study. <i>Journal of Clinical Periodontology</i> , <b>2008</b> , 35, 76-9	7.7	17
14	Effect of different chlorhexidine formulations in mouthrinses on de novo plaque formation. <i>Journal of Clinical Periodontology</i> , <b>2008</b> , 28, 1127-1136	7.7	2
13	Influence of bracket design on microbial and periodontal parameters in vivo. <i>Journal of Clinical Periodontology</i> , <b>2007</b> , 34, 423-31	7.7	51
12	Accuracy and reproducibility of automated estradiol-17beta and progesterone assays using native serum samples: results obtained in the Belgian external assessment scheme. <i>Human Reproduction</i> , <b>2007</b> , 22, 3204-9	5.7	25
11	Guiding periodontal pocket recolonization: a proof of concept. <i>Journal of Dental Research</i> , <b>2007</b> , 86, 1078-82		85

10	Benefit of "one-stage full-mouth disinfection" is explained by disinfection and root planing within 24 hours: a randomized controlled trial. <i>Journal of Clinical Periodontology</i> , <b>2006</b> , 33, 639-47	7.7	74
9	The impact of periodontal therapy and the adjunctive effect of antiseptics on breath odor-related outcome variables: a double-blind randomized study. <i>Journal of Periodontology</i> , <b>2005</b> , 76, 705-12	4.6	47
8	Analysis of the influence of promoter elements and a matrix attachment region on the inter-individual variation of transgene expression in populations of <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , <b>2003</b> , 165, 169-179	5.3	43
7	A salivary incubation test for evaluation of oral malodor: a pilot study. <i>Journal of Periodontology</i> , <b>2003</b> , 74, 937-44	4.6	23
6	The efficacy of amine fluoride/stannous fluoride in the suppression of morning breath odour. <i>Journal of Clinical Periodontology</i> , <b>2002</b> , 29, 944-54	7.7	37
5	Peri-implant health around screw-shaped c.p. titanium machined implants in partially edentulous patients with or without ongoing periodontitis. <i>Clinical Oral Implants Research</i> , <b>2001</b> , 12, 589-94	4.8	34
4	Effect of different chlorhexidine formulations in mouthrinses on de novo plaque formation. <i>Journal of Clinical Periodontology</i> , <b>2001</b> , 28, 1127-36	7.7	87
3	Effect of different mouthrinses on morning breath. <i>Journal of Periodontology</i> , <b>2001</b> , 72, 1183-91	4.6	80
2	The role of chlorhexidine in the one-stage full-mouth disinfection treatment of patients with advanced adult periodontitis. Long-term clinical and microbiological observations. <i>Journal of Clinical Periodontology</i> , <b>2000</b> , 27, 578-89	7.7	149
1	Strategy and performance evaluation of low-frequency variant calling for SARS-CoV-2 in wastewater using targeted deep Illumina sequencing		2