## Joke Duyck

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Risk Factors for Malnutrition in Older Adults: A Systematic Review of the Literature Based on Longitudinal Data. Advances in Nutrition, 2016, 7, 507-522.  | 6.4 | 387       |
| 2  | The influence of static and dynamic loading on marginal bone reactions around osseointegrated implants: an animal experimental study. Clinical Oral Implants Research, 2001, 12, 207-218.                          | 4.5 | 312       |
| 3  | Biologic outcome of implant-supported restorations in the treatment of partial edentulism. Clinical<br>Oral Implants Research, 2002, 13, 381-389.  | 4.5 | 186       |
| 4  | The influence of bone mechanical properties and implant fixation upon bone loading around oral implants. Clinical Oral Implants Research, 1998, 9, 407-418.  | 4.5 | 174       |
| 5  | Magnitude and distribution of occlusal forces on oral implants supporting fixed prostheses: an in vivo study. Clinical Oral Implants Research, 2000, 11, 465-475.  | 4.5 | 155       |
| 6  | Bone quality assessment based on cone beam computed tomography imaging. Clinical Oral Implants<br>Research, 2009, 20, 767-771.   | 4.5 | 127       |
| 7  | Implant design and interface force transfer. Clinical Oral Implants Research, 2004, 15, 249-257.   | 4.5 | 124       |
| 8  | Occlusal overload and bone/implant loss. Clinical Oral Implants Research, 2012, 23, 95-107.  | 4.5 | 122       |
| 9  | Peri-implant bone tissue assessment by comparing the outcome of intra-oral radiograph and cone beam computed tomography analyses to the histological standard. Clinical Oral Implants Research, 2011, 22, 492-499. | 4.5 | 86        |
| 10 | The effect of micro-motion on the tissue response around immediately loaded roughened titanium implants in the rabbit. European Journal of Oral Sciences, 2007, 115, 21-29.  | 1.5 | 76        |
| 11 | Peri- and intra-implant bone response to microporous Ti coatings with surface modification. Acta<br>Biomaterialia, 2014, 10, 986-995.  | 8.3 | 63        |
| 12 | Histological, histomorphometrical, and radiological evaluation of an experimental implant design<br>with a high insertion torque. Clinical Oral Implants Research, 2010, 21, 877-884.                              | 4.5 | 61        |
| 13 | Early Cellular Responses in Cortical Bone Healing Around Unloaded Titanium Implants: An Animal<br>Study. Journal of Periodontology, 2006, 77, 1015-1024.   | 3.4 | 60        |
| 14 | Effect of Implant Surface Roughness and Loading on Periâ€Implant Bone Formation. Journal of<br>Periodontology, 2008, 79, 150-157.  | 3.4 | 58        |
| 15 | Impact of implant number, distribution and prosthesis material on loading on implants supporting<br>fixed prostheses. Journal of Oral Rehabilitation, 2010, 37, 525-531.   | 3.0 | 55        |
| 16 | Influence of controlled immediate loading and implant design on peri-implant bone formation. Journal<br>of Clinical Periodontology, 2007, 34, 172-81.  | 4.9 | 53        |
| 17 | Impact of Denture Cleaning Method and Overnight Storage Condition on Denture Biofilm Mass and Composition: A Cross-Over Randomized Clinical Trial. PLoS ONE, 2016, 11, e0145837.                                   | 2.5 | 53        |
| 18 | Effect of intermittent loading and surface roughness on peri-implant bone formation in a bone chamber model. Journal of Clinical Periodontology, 2007, 34, 998-1006.   | 4.9 | 51        |

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|----|--|-----|-----------|
| 19 | Biologie Outcome of Single-Implant Restorations as Tooth Replacements: A Long-term Follow-up<br>Study. Clinical Implant Dentistry and Related Research, 2000, 2, 209-218.  | 3.7 | 50        |
| 20 | Early Trabecular Bone Healing Around Titanium Implants: A Histologic Study in Rabbits. Journal of<br>Periodontology, 2007, 78, 510-517.  | 3.4 | 50        |
| 21 | Histodynamics of bone tissue formation around immediately loaded cylindrical implants in the rabbit.<br>Clinical Oral Implants Research, 2007, 18, 471-480.  | 4.5 | 50        |
| 22 | Micro-CT analysis of the rodent jaw bone micro-architecture: A systematic review. Bone Reports, 2015, 2, 14-24.  | 0.4 | 47        |
| 23 | Effect of insertion torque on titanium implant osseointegration: an animal experimental study.<br>Clinical Oral Implants Research, 2015, 26, 191-196.  | 4.5 | 43        |
| 24 | Application of mechanoregulatory models to simulate peri-implant tissue formation in an in vivo bone chamber. Journal of Biomechanics, 2008, 41, 145-154.  | 2.1 | 42        |
| 25 | The effect of whole-body vibration on peri-implant bone healing in rats. Clinical Oral Implants<br>Research, 2011, 22, 302-307.  | 4.5 | 42        |
| 26 | Influence of whole-body vibration time on peri-implant bone healing: a histomorphometrical animal study. Journal of Clinical Periodontology, 2011, 38, 180-185.  | 4.9 | 35        |
| 27 | The effect of L-PRF membranes on bone healing in rabbit tibiae bone defects: micro-CT and biomarker results. Scientific Reports, 2017, 7, 46452.   | 3.3 | 34        |
| 28 | 3D characterization of bone strains in the rat tibia loading model. Biomechanics and Modeling in<br>Mechanobiology, 2012, 11, 403-410.   | 2.8 | 33        |
| 29 | A repeated sampling bone chamber methodology for the evaluation of tissue differentiation and bone<br>adaptation around titanium implants under controlled mechanical conditions. Journal of<br>Biomechanics, 2004, 37, 1819-1822. | 2.1 | 32        |
| 30 | Biologic Response of Immediately versus Delayed Loaded Implants Supporting Ill-Fitting Prostheses: An<br>Animal Study. Clinical Implant Dentistry and Related Research, 2005, 7, 150-158.  | 3.7 | 31        |
| 31 | The proportion of cancellous bone as predictive factor for early marginal bone loss around implants in the posterior part of the mandible. Clinical Oral Implants Research, 2015, 26, 1051-1059.                                   | 4.5 | 31        |
| 32 | An oral health survey of vulnerable older people in Belgium. Clinical Oral Investigations, 2016, 20,<br>1903-1912.   | 3.0 | 31        |
| 33 | Bone Tissue Response to Porous and Functionalized Titanium and Silica Based Coatings. PLoS ONE, 2011, 6, e24186.   | 2.5 | 31        |
| 34 | Peri-implant bone tissue strains in cases of dehiscence: a finite element study. Clinical Oral Implants<br>Research, 2002, 13, 327-333.  | 4.5 | 30        |
| 35 | Use of micro-CT-based finite element analysis to accurately quantify peri-implant bone strains: a validation in rat tibiae. Biomechanics and Modeling in Mechanobiology, 2012, 11, 743-750.  | 2.8 | 30        |
| 36 | Titanium implants with modified surfaces: Meta-analysis of in vivo osteointegration. Materials Science and Engineering C, 2015, 49, 152-158.   | 7.3 | 30        |

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|----|---|-----|-----------|
| 37 | Early cortical bone healing around loaded titanium implants: a histological study in the rabbit.<br>Clinical Oral Implants Research, 2009, 20, 126-134.   | 4.5 | 29        |
| 38 | Effect of high-frequency loading and parathyroid hormone administration on peri-implant bone healing and osseointegration. International Journal of Oral Science, 2018, 10, 6.  | 8.6 | 29        |
| 39 | Dental Implant Macroâ€Design Features Can Impact the Dynamics of Osseointegration. Clinical Implant<br>Dentistry and Related Research, 2015, 17, 639-645.   | 3.7 | 23        |
| 40 | Evaluation of Factors Influencing the Marginal Bone Stability around Implants in the Treatment of Partial Edentulism. Clinical Implant Dentistry and Related Research, 2001, 3, 30-38.  | 3.7 | 22        |
| 41 | <i>In vivo</i> assessment of the effect of controlled high- and low-frequency mechanical loading on peri-implant bone healing. Journal of the Royal Society Interface, 2012, 9, 1697-1704.  | 3.4 | 21        |
| 42 | Association between oral health and general health indicators in older adults. Scientific Reports, 2018, 8, 8871.   | 3.3 | 21        |
| 43 | Mechanical Loading Affects Angiogenesis and Osteogenesis in an <i>In Vivo</i> Bone Chamber: A<br>Modeling Study. Tissue Engineering - Part A, 2010, 16, 3353-3361.  | 3.1 | 18        |
| 44 | Stimulation of Titanium Implant Osseointegration Through High-Frequency Vibration Loading is<br>Enhanced when Applied at High Acceleration. Calcified Tissue International, 2014, 95, 467-475.  | 3.1 | 18        |
| 45 | A robust methodology for the quantitative assessment of the rat jawbone microstructure.<br>International Journal of Oral Science, 2017, 9, 87-94.   | 8.6 | 18        |
| 46 | Enhancement of Implant Osseointegration by High-Frequency Low-Magnitude Loading. PLoS ONE, 2012,<br>7, e40488.  | 2.5 | 15        |
| 47 | The oral healthâ€related section of the interRAI: Evaluation of test content validity by expert rating and assessment of potential reasons for inaccurate assessments based on focus group discussions with caregivers. Gerodontology, 2019, 36, 382-394. | 2.0 | 15        |
| 48 | A randomized controlled clinical trial comparing guided with nonguided implant placement: A 3-year follow-up of implant-centered outcomes. Journal of Prosthetic Dentistry, 2019, 121, 904-910.   | 2.8 | 14        |
| 49 | Cross-Country Validation of the Association Between Oral Health and General Health in<br>Community-Dwelling Older Adults. Journal of the American Medical Directors Association, 2019, 20,<br>1137-1142.e2.   | 2.5 | 13        |
| 50 | Influence of prosthesis fit and the effect of a luting system on the prosthetic connection preload: an in vitro study. International Journal of Prosthodontics, 2002, 15, 389-96.   | 1.7 | 12        |
| 51 | Predictors of Patient Satisfaction with Removable Denture Renewal: A Pilot Study. Journal of<br>Prosthodontics, 2018, 27, 509-516.  | 3.7 | 11        |
| 52 | Establishment of an In Vivo Model for Molecular Assessment of Titanium Implant Osseointegration in<br>Compromised Bone. Tissue Engineering - Part C: Methods, 2011, 17, 311-318.  | 2.1 | 10        |
| 53 | Bone tissue response to implant surfaces functionalized with phosphateâ€containing polymers. Clinical<br>Oral Implants Research, 2014, 25, 91-100.  | 4.5 | 9         |
| 54 | Development of practice guidelines for daily oral care in careâ€dependent older adults to complement<br>the InterRAI suite of instruments using a modified Delphi approach. International Journal of Older<br>People Nursing, 2021, 16, e12351.           | 1.3 | 9         |

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|----|--|-----|-----------|
| 55 | Titanium implant functionalization with phosphateâ€containing polymers may favour in vivo<br>osseointegration. Journal of Clinical Periodontology, 2017, 44, 950-960.  | 4.9 | 8         |
| 56 | Phosphorylated Pullulan Coating Enhances Titanium Implant Osseointegration in a Pig Model.<br>International Journal of Oral and Maxillofacial Implants, 2017, 32, 282-290.   | 1.4 | 8         |
| 57 | Assessment of oral health in older adults by non-dental professional caregivers—development and validation of a photograph-supported oral health–related section for the interRAI suite of instruments. Clinical Oral Investigations, 2021, 25, 3475-3486. | 3.0 | 8         |
| 58 | Missing Oral Health-Related Data in the interRAI-HC - Associations with Selected Variables of General<br>Health and the Effect of Multiple Imputation on the Relationship between Oral and General Health.<br>PLoS ONE, 2015, 10, e0146065.                | 2.5 | 8         |
| 59 | Bone tissue response to <scp>BMP</scp> â€⊋ adsorbed on amorphous microporous silica implants.<br>Journal of Clinical Periodontology, 2012, 39, 1206-1213.  | 4.9 | 7         |
| 60 | In VitroandIn VivoInvestigation of the Potential of Amorphous Microporous Silica as a Protein<br>Delivery Vehicle. BioMed Research International, 2013, 2013, 1-10.  | 1.9 | 7         |
| 61 | Direct Highâ€Frequency Stimulation of Periâ€Implant Rabbit Bone: A Pilot Study. Clinical Implant Dentistry<br>and Related Research, 2012, 14, 558-564.   | 3.7 | 6         |
| 62 | Prevention of distal extension cantilever fracture in mandibular overdentures. Journal of Dentistry, 2015, 43, 1140-1147.  | 4.1 | 6         |
| 63 | Latent Ornsteinâ€Uhlenbeck models for Bayesian analysis of multivariate longitudinal categorical<br>responses. Biometrics, 2021, 77, 689-701.  | 1.4 | 4         |
| 64 | Can the interRAI home care instrument be applied to the definition criteria of the Global Leadership<br>Initiative on Malnutrition (GLIM)? A longitudinal study. Clinical Nutrition, 2020, 39, 3477-3482.  | 5.0 | 4         |
| 65 | Modified Titanium Surface-Mediated Effects on Human Bone Marrow Stromal Cell Response. Materials, 2013, 6, 5533-5548.  | 2.9 | 3         |
| 66 | Assessment of oral health conditions presented in photographs - is there a difference between dentists and non-dental professional caregivers?. BMC Oral Health, 2020, 20, 188.  | 2.3 | 3         |
| 67 | Modeling local dependence in latent vector autoregressive models. Biostatistics, 2021, 22, 148-163.  | 1.5 | 3         |
| 68 | Oral healthcare delivery in institutionalised older people: A healthâ€economic evaluation.<br>Gerodontology, 2021, , .   | 2.0 | 3         |
| 69 | Clinical Oral Disorders in Adults Screening Protocol (CODAâ€5P) from the 2019 Vancouver IADR<br>Consensus Symposium. Gerodontology, 2021, 38, 5-16.  | 2.0 | 1         |
| 70 | Positive Effect of Whole-Body Vibration Loading on Peri-Implant Bone Healing and Implant<br>Osseointegration. , 2012, , 349-351.   |     | 1         |
| 71 | A Graphical Exploration of Oral Health-Related Quality of Life: Resident vs Caregiver Perceptions.<br>Journal of the American Medical Directors Association, 2019, 20, 1180-1182.  | 2.5 | 0         |
| 72 | Osteogenetic Effect of Low-Magnitude High-Frequency Loading and Parathyroid Hormone on Implant<br>Interface in Osteoporosis. , 2017, , 269-277.  |     | 0         |

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|----|--|----|-----------|
| 73 | Loading Protocols and Clinical Outcomes. , 0, , 311-332. |    | 0         |