

Joke Duyck

List of Publications by Year in descending order

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73
papers

3,262
citations

159358

30
h-index

149479

56
g-index

74
all docs

74
docs citations

74
times ranked

3735
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk Factors for Malnutrition in Older Adults: A Systematic Review of the Literature Based on Longitudinal Data. <i>Advances in Nutrition</i> , 2016, 7, 507-522.	2.9	387
2	The influence of static and dynamic loading on marginal bone reactions around osseointegrated implants: an animal experimental study. <i>Clinical Oral Implants Research</i> , 2001, 12, 207-218.	1.9	312
3	Biologic outcome of implant-supported restorations in the treatment of partial edentulism. <i>Clinical Oral Implants Research</i> , 2002, 13, 381-389.	1.9	186
4	The influence of bone mechanical properties and implant fixation upon bone loading around oral implants. <i>Clinical Oral Implants Research</i> , 1998, 9, 407-418.	1.9	174
5	Magnitude and distribution of occlusal forces on oral implants supporting fixed prostheses: an in vivo study. <i>Clinical Oral Implants Research</i> , 2000, 11, 465-475.	1.9	155
6	Bone quality assessment based on cone beam computed tomography imaging. <i>Clinical Oral Implants Research</i> , 2009, 20, 767-771.	1.9	127
7	Implant design and interface force transfer. <i>Clinical Oral Implants Research</i> , 2004, 15, 249-257.	1.9	124
8	Occlusal overload and bone/implant loss. <i>Clinical Oral Implants Research</i> , 2012, 23, 95-107.	1.9	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. <i>Clinical Oral Implants Research</i> , 2011, 22, 492-499.	1.9	86
10	The effect of micro-motion on the tissue response around immediately loaded roughened titanium implants in the rabbit. <i>European Journal of Oral Sciences</i> , 2007, 115, 21-29.	0.7	76
11	Peri- and intra-implant bone response to microporous Ti coatings with surface modification. <i>Acta Biomaterialia</i> , 2014, 10, 986-995.	4.1	63
12	Histological, histomorphometrical, and radiological evaluation of an experimental implant design with a high insertion torque. <i>Clinical Oral Implants Research</i> , 2010, 21, 877-884.	1.9	61
13	Early Cellular Responses in Cortical Bone Healing Around Unloaded Titanium Implants: An Animal Study. <i>Journal of Periodontology</i> , 2006, 77, 1015-1024.	1.7	60
14	Effect of Implant Surface Roughness and Loading on Peri-Implant Bone Formation. <i>Journal of Periodontology</i> , 2008, 79, 150-157.	1.7	58
15	Impact of implant number, distribution and prosthesis material on loading on implants supporting fixed prostheses. <i>Journal of Oral Rehabilitation</i> , 2010, 37, 525-531.	1.3	55
16	Influence of controlled immediate loading and implant design on peri-implant bone formation. <i>Journal of Clinical Periodontology</i> , 2007, 34, 172-81.	2.3	53
17	Impact of Denture Cleaning Method and Overnight Storage Condition on Denture Biofilm Mass and Composition: A Cross-Over Randomized Clinical Trial. <i>PLoS ONE</i> , 2016, 11, e0145837.	1.1	53
18	Effect of intermittent loading and surface roughness on peri-implant bone formation in a bone chamber model. <i>Journal of Clinical Periodontology</i> , 2007, 34, 998-1006.	2.3	51

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19	Biologic Outcome of Single-Implant Restorations as Tooth Replacements: A Long-term Follow-up Study. <i>Clinical Implant Dentistry and Related Research</i> , 2000, 2, 209-218.	1.6	50
20	Early Trabecular Bone Healing Around Titanium Implants: A Histologic Study in Rabbits. <i>Journal of Periodontology</i> , 2007, 78, 510-517.	1.7	50
21	Histodynamics of bone tissue formation around immediately loaded cylindrical implants in the rabbit. <i>Clinical Oral Implants Research</i> , 2007, 18, 471-480.	1.9	50
22	Micro-CT analysis of the rodent jaw bone micro-architecture: A systematic review. <i>Bone Reports</i> , 2015, 2, 14-24.	0.2	47
23	Effect of insertion torque on titanium implant osseointegration: an animal experimental study. <i>Clinical Oral Implants Research</i> , 2015, 26, 191-196.	1.9	43
24	Application of mechanoregulatory models to simulate peri-implant tissue formation in an in vivo bone chamber. <i>Journal of Biomechanics</i> , 2008, 41, 145-154.	0.9	42
25	The effect of whole-body vibration on peri-implant bone healing in rats. <i>Clinical Oral Implants Research</i> , 2011, 22, 302-307.	1.9	42
26	Influence of whole-body vibration time on peri-implant bone healing: a histomorphometrical animal study. <i>Journal of Clinical Periodontology</i> , 2011, 38, 180-185.	2.3	35
27	The effect of L-PRF membranes on bone healing in rabbit tibiae bone defects: micro-CT and biomarker results. <i>Scientific Reports</i> , 2017, 7, 46452.	1.6	34
28	3D characterization of bone strains in the rat tibia loading model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 403-410.	1.4	33
29	A repeated sampling bone chamber methodology for the evaluation of tissue differentiation and bone adaptation around titanium implants under controlled mechanical conditions. <i>Journal of Biomechanics</i> , 2004, 37, 1819-1822.	0.9	32
30	Biologic Response of Immediately versus Delayed Loaded Implants Supporting Ill-Fitting Prostheses: An Animal Study. <i>Clinical Implant Dentistry and Related Research</i> , 2005, 7, 150-158.	1.6	31
31	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> , 2015, 26, 1051-1059.	1.9	31
32	An oral health survey of vulnerable older people in Belgium. <i>Clinical Oral Investigations</i> , 2016, 20, 1903-1912.	1.4	31
33	Bone Tissue Response to Porous and Functionalized Titanium and Silica Based Coatings. <i>PLoS ONE</i> , 2011, 6, e24186.	1.1	31
34	Peri-implant bone tissue strains in cases of dehiscence: a finite element study. <i>Clinical Oral Implants Research</i> , 2002, 13, 327-333.	1.9	30
35	Use of micro-CT-based finite element analysis to accurately quantify peri-implant bone strains: a validation in rat tibiae. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 743-750.	1.4	30
36	Titanium implants with modified surfaces: Meta-analysis of in vivo osteointegration. <i>Materials Science and Engineering C</i> , 2015, 49, 152-158.	3.8	30

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37	Early cortical bone healing around loaded titanium implants: a histological study in the rabbit. <i>Clinical Oral Implants Research</i> , 2009, 20, 126-134.	1.9	29
38	Effect of high-frequency loading and parathyroid hormone administration on peri-implant bone healing and osseointegration. <i>International Journal of Oral Science</i> , 2018, 10, 6.	3.6	29
39	Dental Implant Macro-Design Features Can Impact the Dynamics of Osseointegration. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 639-645.	1.6	23
40	Evaluation of Factors Influencing the Marginal Bone Stability around Implants in the Treatment of Partial Edentulism. <i>Clinical Implant Dentistry and Related Research</i> , 2001, 3, 30-38.	1.6	22
41	<i>In vivo</i> assessment of the effect of controlled high- and low-frequency mechanical loading on peri-implant bone healing. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1697-1704.	1.5	21
42	Association between oral health and general health indicators in older adults. <i>Scientific Reports</i> , 2018, 8, 8871.	1.6	21
43	Mechanical Loading Affects Angiogenesis and Osteogenesis in an <i>In Vivo</i> Bone Chamber: A Modeling Study. <i>Tissue Engineering - Part A</i> , 2010, 16, 3353-3361.	1.6	18
44	Stimulation of Titanium Implant Osseointegration Through High-Frequency Vibration Loading is Enhanced when Applied at High Acceleration. <i>Calcified Tissue International</i> , 2014, 95, 467-475.	1.5	18
45	A robust methodology for the quantitative assessment of the rat jawbone microstructure. <i>International Journal of Oral Science</i> , 2017, 9, 87-94.	3.6	18
46	Enhancement of Implant Osseointegration by High-Frequency Low-Magnitude Loading. <i>PLoS ONE</i> , 2012, 7, e40488.	1.1	15
47	The oral health-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. <i>Gerodontology</i> , 2019, 36, 382-394.	0.8	15
48	A randomized controlled clinical trial comparing guided with nonguided implant placement: A 3-year follow-up of implant-centered outcomes. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 904-910.	1.1	14
49	Cross-Country Validation of the Association Between Oral Health and General Health in Community-Dwelling Older Adults. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1137-1142.e2.	1.2	13
50	Influence of prosthesis fit and the effect of a luting system on the prosthetic connection preload: an <i>in vitro</i> study. <i>International Journal of Prosthodontics</i> , 2002, 15, 389-96.	0.7	12
51	Predictors of Patient Satisfaction with Removable Denture Renewal: A Pilot Study. <i>Journal of Prosthodontics</i> , 2018, 27, 509-516.	1.7	11
52	Establishment of an <i>In Vivo</i> Model for Molecular Assessment of Titanium Implant Osseointegration in Compromised Bone. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 311-318.	1.1	10
53	Bone tissue response to implant surfaces functionalized with phosphate-containing polymers. <i>Clinical Oral Implants Research</i> , 2014, 25, 91-100.	1.9	9
54	Development of practice guidelines for daily oral care in care-dependent older adults to complement the InterRAI suite of instruments using a modified Delphi approach. <i>International Journal of Older People Nursing</i> , 2021, 16, e12351.	0.6	9

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55	Titanium implant functionalization with phosphate-containing polymers may favour in vivo osseointegration. <i>Journal of Clinical Periodontology</i> , 2017, 44, 950-960.	2.3	8
56	Phosphorylated Pullulan Coating Enhances Titanium Implant Osseointegration in a Pig Model. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 282-290.	0.6	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. <i>Clinical Oral Investigations</i> , 2021, 25, 3475-3486.	1.4	8
58	Missing Oral Health-Related Data in the interRAI-HC - Associations with Selected Variables of General Health and the Effect of Multiple Imputation on the Relationship between Oral and General Health. <i>PLoS ONE</i> , 2015, 10, e0146065.	1.1	8
59	Bone tissue response to BMP adsorbed on amorphous microporous silica implants. <i>Journal of Clinical Periodontology</i> , 2012, 39, 1206-1213.	2.3	7
60	In Vitro and In Vivo Investigation of the Potential of Amorphous Microporous Silica as a Protein Delivery Vehicle. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	7
61	Direct High-Frequency Stimulation of Peri-Implant Rabbit Bone: A Pilot Study. <i>Clinical Implant Dentistry and Related Research</i> , 2012, 14, 558-564.	1.6	6
62	Prevention of distal extension cantilever fracture in mandibular overdentures. <i>Journal of Dentistry</i> , 2015, 43, 1140-1147.	1.7	6
63	Latent Ornstein-Uhlenbeck models for Bayesian analysis of multivariate longitudinal categorical responses. <i>Biometrics</i> , 2021, 77, 689-701.	0.8	4
64	Can the interRAI home care instrument be applied to the definition criteria of the Global Leadership Initiative on Malnutrition (GLIM)? A longitudinal study. <i>Clinical Nutrition</i> , 2020, 39, 3477-3482.	2.3	4
65	Modified Titanium Surface-Mediated Effects on Human Bone Marrow Stromal Cell Response. <i>Materials</i> , 2013, 6, 5533-5548.	1.3	3
66	Assessment of oral health conditions presented in photographs - is there a difference between dentists and non-dental professional caregivers?. <i>BMC Oral Health</i> , 2020, 20, 188.	0.8	3
67	Modeling local dependence in latent vector autoregressive models. <i>Biostatistics</i> , 2021, 22, 148-163.	0.9	3
68	Oral healthcare delivery in institutionalised older people: A health-economic evaluation. <i>Gerodontology</i> , 2021, , .	0.8	3
69	Clinical Oral Disorders in Adults Screening Protocol (CODA-SP) from the 2019 Vancouver IADR Consensus Symposium. <i>Gerodontology</i> , 2021, 38, 5-16.	0.8	1
70	Positive Effect of Whole-Body Vibration Loading on Peri-Implant Bone Healing and Implant Osseointegration. , 2012, , 349-351.		1
71	A Graphical Exploration of Oral Health-Related Quality of Life: Resident vs Caregiver Perceptions. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1180-1182.	1.2	0
72	Osteogenetic Effect of Low-Magnitude High-Frequency Loading and Parathyroid Hormone on Implant Interface in Osteoporosis. , 2017, , 269-277.		0

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