

KÄ±vanÃ§ AkÃ§a

List of Publications by Year in descending order

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70
papers

2,020
citations

201674

27
h-index

265206

42
g-index

74
all docs

74
docs citations

74
times ranked

1855
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative evaluation of the effect of diameter, length and number of implants supporting three-unit fixed partial prostheses on stress distribution in the bone. <i>Journal of Dentistry</i> , 2002, 30, 41-46.	4.1	114
2	Implant design and intraosseous stability of immediately placed implants: a human cadaver study. <i>Clinical Oral Implants Research</i> , 2005, 16, 202-209.	4.5	103
3	Role of mechanical environment and implant design on bone tissue differentiation: current knowledge and future contexts. <i>Journal of Dentistry</i> , 2004, 32, 123-132.	4.1	88
4	Biomechanical aspects of initial intraosseous stability and implant design: a quantitative micro-morphometric analysis. <i>Clinical Oral Implants Research</i> , 2006, 17, 465-472.	4.5	87
5	CAD/CAM Zirconia vs. slip-cast glass-infiltrated Alumina/Zirconia all-ceramic crowns: 2-year results of a randomized controlled clinical trial. <i>Journal of Applied Oral Science</i> , 2009, 17, 49-55.	1.8	85
6	Tensile bond strength of ceramic orthodontic brackets bonded to porcelain surfaces. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2001, 119, 617-620.	1.7	84
7	Finite element stress analysis of the effect of short implant usage in place of cantilever extensions in mandibular posterior edentulism. <i>Journal of Oral Rehabilitation</i> , 2002, 29, 350-356.	3.0	80
8	Evaluation of the mechanical characteristics of the implant-abutment complex of a reduced-diameter morse-taper implant. <i>Clinical Oral Implants Research</i> , 2003, 14, 444-454.	4.5	71
9	Dynamic fatigue resistance of implant-abutment junction in an internally notched morse-taper oral implant: influence of abutment design. <i>Clinical Oral Implants Research</i> , 2004, 15, 459-465.	4.5	67
10	A surgical guide for accurate mesiodistal paralleling of implants in the posterior edentulous mandible. <i>Journal of Prosthetic Dentistry</i> , 2002, 87, 233-235.	2.8	55
11	Effect of Surgical Techniques on Primary Implant Stability and Peri-Implant Bone. <i>Journal of Oral and Maxillofacial Surgery</i> , 2007, 65, 2487-2491.	1.2	55
12	A systematic review of marginal bone loss around implants retaining or supporting overdentures. <i>International Journal of Oral and Maxillofacial Implants</i> , 2010, 25, 266-77.	1.4	54
13	Comparison of uniaxial resistance forces of cements used with implant-supported crowns. <i>International Journal of Oral and Maxillofacial Implants</i> , 2002, 17, 536-42.	1.4	42
14	Force transmission of one- and two-piece morse-taper oral implants: a nonlinear finite element analysis. <i>Clinical Oral Implants Research</i> , 2004, 15, 481-489.	4.5	41
15	Implant-tooth-supported fixed partial prostheses: correlations between in vivo occlusal bite forces and marginal bone reactions. <i>Clinical Oral Implants Research</i> , 2006, 17, 331-336.	4.5	40
16	Biomechanical consequences of progressive marginal bone loss around oral implants: a finite element stress analysis. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 527-535.	2.8	40
17	Implant stability and bone density: assessment of correlation in fresh cadavers using conventional and osteotome implant sockets. <i>Clinical Oral Implants Research</i> , 2009, 20, 1163-1169.	4.5	40
18	Mechanical Failure of Endocrowns Manufactured with Different Ceramic Materials: An In Vitro Biomechanical Study. <i>Journal of Prosthodontics</i> , 2018, 27, 340-346.	3.7	39

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19	A comparison of three-dimensional finite element stress analysis with in vitro strain gauge measurements on dental implants. <i>International Journal of Prosthodontics</i> , 2002, 15, 115-21.	1.7	39
20	Micro-morphologic changes around biophysically-stimulated titanium implants in ovariectomized rats. <i>Head & Face Medicine</i> , 2007, 3, 28.	2.1	38
21	Accuracy of 2 impression techniques for ITI implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2004, 19, 517-23.	1.4	38
22	Primary Stability of Simultaneously Placed Dental Implants in Extraoral Donor Graft Sites: A Human Cadaver Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2007, 65, 400-407.	1.2	35
23	Marginal Bone Level Changes and Prosthetic Maintenance of Mandibular Overdentures Supported by 2 Implants: A 5-year Randomized Clinical Trial. <i>Clinical Implant Dentistry and Related Research</i> , 2010, 12, 114-121.	3.7	35
24	A Pilot Study of Joint Stability at the Zirconium or Titanium Abutment/Titanium Implant Interface. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, 338-343.	1.4	35
25	Biomechanical Aspects of Bone-Level Diameter Shifting at Implant-Abutment Interface. <i>Implant Dentistry</i> , 2009, 18, 239-248.	1.3	30
26	Humanex vivobone tissue strains around natural teeth vs. immediate oral implants. <i>Clinical Oral Implants Research</i> , 2005, 16, 540-548.	4.5	29
27	Fresh-frozen vs. embalmed bone: is it possible to use formalin-fixed human bone for biomechanical experiments on implants?. <i>Clinical Oral Implants Research</i> , 2009, 20, 521-525.	4.5	29
28	Predicting time-dependent remodeling of bone around immediately loaded dental implants with different designs. <i>Medical Engineering and Physics</i> , 2010, 32, 22-31.	1.7	27
29	Comparative Assessments, Meta-Analysis, and Recommended Guidelines for Reporting Studies on Histomorphometric Bone-Implant Contact in Humans. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 1243-1253.	1.4	27
30	Bone strains around immediately loaded implants supporting mandibular overdentures in human cadavers. <i>International Journal of Oral and Maxillofacial Implants</i> , 2007, 22, 101-9.	1.4	26
31	Nonlinear finite element analysis versus ex vivo strain gauge measurements on immediately loaded implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2009, 24, 439-46.	1.4	26
32	Evaluation of the Effect of the Residual Bone Angulation on Implant-Supported Fixed Prosthesis in Mandibular Posterior Edentulism Part II: 3-D Finite Element Stress Analysis. <i>Implant Dentistry</i> , 2001, 10, 238-245.	1.3	25
33	Tensile strength of type IV dental stones dried in a microwave oven. <i>Journal of Prosthetic Dentistry</i> , 2002, 87, 499-502.	2.8	23
34	Effect of Compromised Cortical Bone on Implant Load Distribution. <i>Journal of Prosthodontics</i> , 2008, 17, 616-620.	3.7	23
35	The Use Of Computerized Tomography for Diagnosis and Treatment Planning in Implant Dentistry. <i>Journal of Oral Implantology</i> , 2002, 28, 29-36.	1.0	21
36	Predicting bone remodeling around tissue- and bone-level dental implants used in reduced bone width. <i>Journal of Biomechanics</i> , 2013, 46, 2250-2257.	2.1	21

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37	Early-Loaded One-Stage Implants Retaining Mandibular Overdentures by Two Different Mechanisms: 5-Year Results. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 824-830.	1.4	20
38	Comparison of microleakage properties of three different filling materials. An autoradiographic study. <i>Journal of Oral Rehabilitation</i> , 2002, 29, 1212-1217.	3.0	18
39	Comparison of diametral tensile strength of microwave and oven-dried investment materials. <i>Journal of Prosthetic Dentistry</i> , 1999, 82, 286-290.	2.8	15
40	Bone strains around apically free versus grafted implants in the posterior maxilla of human cadavers. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 395-402.	2.8	15
41	Effect of digitizing techniques on the fit of implant-retained crowns with different antirotational abutment features. <i>Journal of Prosthetic Dentistry</i> , 2014, 111, 367-372.	2.8	15
42	Effects of prosthesis design and impression techniques on human cortical bone strain around oral implants under load. <i>Medical Engineering and Physics</i> , 2009, 31, 758-763.	1.7	14
43	Torque-fitting and resonance frequency analyses of implants in conventional sockets versus controlled bone defects in vitro. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2010, 39, 169-173.	1.5	14
44	Low-level laser therapy vs. pulsed electromagnetic field on neonatal rat calvarial osteoblast-like cells. <i>Lasers in Medical Science</i> , 2013, 28, 901-909.	2.1	14
45	A randomized controlled clinical trial of feldspathic versus glass-infiltrated alumina all-ceramic crowns: a 3-year follow-up. <i>International Journal of Prosthodontics</i> , 2011, 24, 77-84.	1.7	13
46	Superadhesion: Attachment of Nanobacteria to Tissues – Model Simulation. <i>Crystal Growth and Design</i> , 2005, 5, 21-23.	3.0	12
47	Numerical assessment of bone remodeling around conventionally and early loaded titanium and titanium-zirconium alloy dental implants. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 453-462.	2.8	12
48	Mechanobiology of Bone and Mechanocoupling of Endosseous Titanium Oral Implants. <i>Journal of Long-Term Effects of Medical Implants</i> , 2005, 15, 139-152.	0.7	12
49	A Prospective, Open-Ended, Single-Cohort Clinical Trial on Early Loaded Titanium-Zirconia Alloy Implants in Partially Edentulous Patients: Up-to-24-Month Results. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 573-578.	1.4	11
50	Humanex vivobone tissue strains around immediately loaded implants supporting maxillary overdentures. <i>Clinical Oral Implants Research</i> , 2005, 16, 715-722.	4.5	10
51	Spontaneous early exposure and marginal bone loss around conventionally and early placed submerged implants: a double-blind study. <i>Clinical Oral Implants Research</i> , 2010, 21, 1327-1333.	4.5	10
52	Evaluation of the Effect of the Residual Bone Angulation on Implant-Supported Fixed Protheses in Mandibular Posterior Edentulism. Part I: Spiral Computed Tomography Study. <i>Implant Dentistry</i> , 2001, 10, 216-222.	1.3	9
53	Fabrication of a screw-retained fixed provisional prosthesis supported by dental implants. <i>Journal of Prosthetic Dentistry</i> , 2004, 91, 293-297.	2.8	9
54	Efficacy of Resonance Frequency Analysis in the Diagnosis of Compromised Bone-Implant Interface. <i>Implant Dentistry</i> , 2012, 21, 394-398.	1.3	9

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55	A photoelastic and strain-gauge analysis of interface force transmission of internal-cone implants. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2008, 28, 391-9.	1.0	9
56	Numerical simulation of in vivo intraosseous torsional failure of a hollow-screw oral implant. <i>Head & Face Medicine</i> , 2006, 2, 36.	2.1	8
57	Numerical simulation of the effect of time-to-loading on peri-implant bone. <i>Medical Engineering and Physics</i> , 2010, 32, 7-13.	1.7	7
58	Fatigue Resistance of 2 Different CAD/CAM Glass-Ceramic Materials Used for Single-Tooth Implant Crowns. <i>Implant Dentistry</i> , 2011, 20, 374-378.	1.3	7
59	Two-year prospective follow-up of implant/tooth-supported versus freestanding implant-supported fixed partial dentures. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2008, 28, 593-9.	1.0	7
60	The Effects of Pulsed Electromagnetic Field (PEMF) on Osteoblast-Like Cells Cultured on Titanium and Titanium-Zirconium Surfaces. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 2127-2134.	0.7	6
61	Human Ex Vivo Bone Tissue Strains Around Immediately-Loaded Implants Supporting Mandibular Fixed Prostheses. <i>Implant Dentistry</i> , 2009, 18, 162-171.	1.3	5
62	Immediate Versus Conventional Loading of Implant-Supported Maxillary Overdentures: A Finite Element Stress Analysis. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, e57-e63.	1.4	5
63	Towards the limit of quantifying low-amplitude strains on bone and in coagulum around immediately loaded oral implants in extraction sockets. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 86-94.	2.8	4
64	Numeric simulation of time-dependent remodeling of bone around loaded oral implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2009, 24, 597-608.	1.4	4
65	A Multidisciplinary Approach to Single-tooth, Implant-supported Prostheses: A Report of Three Cases. <i>Journal of Oral Implantology</i> , 2000, 26, 199-203.	1.0	2
66	One-Year Follow-up of an Implant with Early Radiographic Signs of Loss of Osseointegration: Case Report. <i>Clinical Implant Dentistry and Related Research</i> , 2002, 4, 43-46.	3.7	2
67	Neural response to sandblasted/acid-etched, TiO ₂ -blasted, polished, and mechanochemically polished/nanostructured titanium implant surfaces. <i>Clinical Oral Implants Research</i> , 2006, 17, 541-547.	4.5	2
68	Platelet-rich plasma and bone healing: a histologic study in titanium bone chambers. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2007, 27, 387-92.	1.0	1
69	Impact of similarity in chemical composition of light-polymerized resin composites on post-gel strains and interface integrity. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1053-1060.	3.6	0
70	CAD/CAM Glass Ceramics for Single-Tooth Implant Crowns. <i>Implant Dentistry</i> , 2013, 22, 623-626.	1.3	0