Ann Wennerberg

List of Publications by Year
in descending order

54 papers	5,483 citations	136740 32 h-index	174990 52 g-index
54 all docs	54 docs citations	54 times ranked	5346 citing authors

#	Article	IF	Citations
1	Oral implant surfaces: Part 1--review focusing on topographic and chemical properties of different surfaces and in vivo responses to them. International Journal of Prosthodontics, 2004, 17, 536-43.	0.7	714
2	Characteristics of the surface oxides on turned and electrochemically oxidized pure titanium implants up to dielectric breakdown:. Biomaterials, 2002, 23, 491-501.	5.7	462
3	On implant surfaces: a review of current knowledge and opinions. International Journal of Oral and Maxillofacial Implants, 2010, 25, 63-74.	0.6	331
4	Foreign Body Reaction to Biomaterials: On Mechanisms for Buildup and Breakdown of Osseointegration. Clinical Implant Dentistry and Related Research, 2016, 18, 192-203.	1.6	308
5	Is Marginal Bone Loss around Oral Implants the Result of a Provoked Foreign Body Reaction?. Clinical Implant Dentistry and Related Research, 2014, 16, 155-165.	1.6	239
6	Anchorage of TiO2-blasted, HA-coated, and machined implants: An experimental study with rabbits. Journal of Biomedical Materials Research Part B, 1995, 29, 1223-1231.	3.0	234
7	Determining optimal surface roughness of TiO2blasted titanium implant material for attachment, proliferation and differentiation of cells derived from human mandibular alveolar bone. Clinical Oral Implants Research, 2001, 12, 515-525.	1.9	215
8	Improved retention and bone-toImplant contact with fluoride-modified titanium implants. International Journal of Oral and Maxillofacial Implants, 2004, 19, 659-66.	0.6	207
9	On osseointegration in relation to implant surfaces. Clinical Implant Dentistry and Related Research, 2019, 21, 4-7.	1.6	205
10	Torque and histomorphometric evaluation of c.p. titanium screws blasted with 25- and 75-?m-sized particles of Al2O3. , 1996, 30, 251-260.		196
11	Reasons for Marginal Bone Loss around Oral Implants. Clinical Implant Dentistry and Related Research, 2012, 14, 792-807.	1.6	180
12	Histologic evaluation of the bone integration of TiO2 blasted and turned titanium microimplants in humans. Clinical Oral Implants Research, 2001, 12, 128-134.	1.9	170
13	Nano hydroxyapatite structures influence early bone formation. Journal of Biomedical Materials Research - Part A, 2008, 87A, 299-307.	2.1	165
14	Survival and Complications of Zygomatic Implants: An Updated Systematic Review. Journal of Oral and Maxillofacial Surgery, 2016, 74, 1949-1964.	0.5	149
15	Nanostructures and hydrophilicity influence osseointegration: a biomechanical study in the rabbit tibia. Clinical Oral Implants Research, 2014, 25, 1041-1050.	1.9	130
16	Optimum surface properties of oxidized implants for reinforcement of osseointegration: surface chemistry, oxide thickness, porosity, roughness, and crystal structure. International Journal of Oral and Maxillofacial Implants, 2005, 20, 349-59.	0.6	127
17	Osseointegration and foreign body reaction: Titanium implants activate the immune system and suppress bone resorption during the first 4 weeks after implantation. Clinical Implant Dentistry and Related Research, 2018, 20, 82-91.	1.6	117
18	Engineered protein coatings to improve the osseointegration of dental and orthopaedic implants. Biomaterials, 2016, 83, 269-282.	5.7	105

#	Article	IF	Citations
19	A retrospective study on clinical and radiological outcomes of oral implants in patients followed up for a minimum of 20 years. Clinical Implant Dentistry and Related Research, 2018, 20, 199-207.	1.6	95
20	Production tolerance of additive manufactured polymeric objects for clinical applications. Dental Materials, 2016, 32, 853-861.	1.6	91
21	The effect of chemical and nanotopographical modifications on the early stages of osseointegration. International Journal of Oral and Maxillofacial Implants, 2008, 23, 641-7.	0.6	83
22	Increased bone formation to unstable nano rough titanium implants. Clinical Oral Implants Research, 2007, 18, 326-332.	1.9	82
23	Spontaneously formed nanostructures on titanium surfaces. Clinical Oral Implants Research, 2013, 24, 203-209.	1.9	80
24	Histological and three-dimensional evaluation of osseointegration to nanostructured calcium phosphate-coated implants. Acta Biomaterialia, 2011, 7, 4229-4234.	4.1	74
25	On inflammationâ€immunological balance theoryâ€"A critical apprehension of disease concepts around implants: Mucositis and marginal bone loss may represent normal conditions and not necessarily a state of disease. Clinical Implant Dentistry and Related Research, 2019, 21, 183-189.	1.6	71
26	Local release of magnesium from mesoporous TiO 2 coatings stimulates the peri-implant expression of osteogenic markers and improves osteoconductivity in vivo. Acta Biomaterialia, 2014, 10, 5193-5201.	4.1	63
27	Biomechanical evaluation and surface characterization of a nano-modified surface on PEEK implants: a study in the rabbit tibia. International Journal of Nanomedicine, 2014, 9, 3903.	3.3	49
28	Bone Immune Response to Materials, Part I: Titanium, PEEK and Copper in Comparison to Sham at 10 Days in Rabbit Tibia. Journal of Clinical Medicine, 2018, 7, 526.	1.0	48
29	Surface characterization of commercial oral implants on the nanometer level. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 462-469.	1.6	46
30	In vivo biomechanical stability of osseointegrating mesoporous TiO2 implants. Acta Biomaterialia, 2012, 8, 4438-4446.	4.1	41
31	The biological response to three different nanostructures applied on smooth implant surfaces. Clinical Oral Implants Research, 2012, 23, 706-712.	1.9	39
32	Biomechanical, histological, and computed Xâ€ray tomographic analyses of hydroxyapatite coated PEEK implants in an extended healing model in rabbit. Journal of Biomedical Materials Research - Part A, 2018, 106, 1440-1447.	2.1	38
33	In vitro dentin pretreatment, Surface roughness and adhesive shear bond strength. European Journal of Oral Sciences, 1999, 107, 400-413.	0.7	36
34	Analysis of the bone ultrastructure around biodegradable Mgâ€"xGd implants using small angle X-ray scattering and X-ray diffraction. Acta Biomaterialia, 2020, 101, 637-645.	4.1	29
35	Osteoconductive Potential of Mesoporous Titania Implant Surfaces Loaded with Magnesium: An Experimental Study in the Rabbit. Clinical Implant Dentistry and Related Research, 2015, 17, 1048-1059.	1.6	25
36	Ligature-Induced Experimental Peri-Implantitisâ€"A Systematic Review. Journal of Clinical Medicine, 2018, 7, 492.	1.0	23

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37	Rational design and in vitro characterization of novel dental implant and abutment surfaces for balancing clinical and biological needs. Clinical Implant Dentistry and Related Research, 2019, 21, 15-24.	1.6	22
38	The Role of Functional Parameters for Topographical Characterization of Bone-Anchored Implants. Clinical Implant Dentistry and Related Research, 2006, 8, 70-76.	1.6	20
39	Importance of Ca²⁺ Modifications for Osseointegration of Smooth and Moderately Rough Anodized Titanium Implants â€“ A Removal Torque and Histological Evaluation in Rabbit. Clinical Implant Dentistry and Related Research, 2012, 14, 737-745.	1.6	19
40	Cobaltâ€“chromium alloys fabricated with four different techniques: Ion release, toxicity of released elements and surface roughness. Dental Materials, 2020, 36, e352-e363.	1.6	19
41	Bone Immune Response to Materials, Part II:ÂCopper and Polyetheretherketone (PEEK) Compared to Titanium at 10 and 28 Days in Rabbit Tibia. Journal of Clinical Medicine, 2019, 8, 814.	1.0	18
42	High-resolution ex vivo analysis of the degradation and osseointegration of Mg-xGd implant screws in 3D. Bioactive Materials, 2022, 13, 37-52.	8.6	18
43	Osseointegration effects of local release of strontium ranelate from implant surfaces in rats. Journal of Materials Science: Materials in Medicine, 2019, 30, 116.	1.7	16
44	Production tolerance of conventional and digital workflow in the manufacturing of glass ceramic crowns. Dental Materials, 2019, 35, 486-494.	1.6	12
45	Aseptic Ligatures Induce Marginal Peri-Implant Bone Lossâ€"An 8-Week Trial in Rabbits. Journal of Clinical Medicine, 2019, 8, 1248.	1.0	10
46	Patient satisfaction and clinical outcomes in implantâ€supported overdentures retained by milled bars: Twoâ€year followâ€up. Journal of Oral Rehabilitation, 2019, 46, 624-633.	1.3	10
47	Characteristics of 2 Different Commercially Available Implants with or without Nanotopography. International Journal of Dentistry, 2013, 2013, 1-8.	0.5	9
48	Cellular responses to cobalt-chrome and CP titanium--an in vitro comparison of frameworks for implant-retained oral prostheses. Swedish Dental Journal, 2011, 35, 177-86.	0.7	9
49	Evaluation of Bone Healing on Sandblasted and Acid Etched Implants Coated with Nanocrystalline Hydroxyapatite: AnIn VivoStudy in Rabbit Femur. International Journal of Dentistry, 2014, 2014, 1-7.	0.5	8
50	Multimodal ex vivo methods reveal that Gd-rich corrosion byproducts remain at the implant site of biodegradable Mg-Gd screws. Acta Biomaterialia, 2021, 136, 582-591.	4.1	8
51	Wear particle release at the interface of dental implant components: Effects of different material combinations. An in vitro study. Dental Materials, 2022, 38, 508-516.	1.6	7
52	Fixed fullâ€arch maxillary prostheses supported by four versus six implants with a titanium CAD/CAM milled framework: 3â€year multicentre RCT. Clinical Oral Implants Research, 2021, 32, 44-59.	1.9	5
53	Magnesium release from mesoporous carriers on endosseus implants does not influence bone maturation at 6 weeks in rabbit bone.. , 2017, 105, 2118-2125.		4
54	Infraposition of anterior maxillary implantâ€supported singleâ€tooth restorations in adolescent and adult patientsâ€"A prospective followâ€up study up to 6 years. Clinical Implant Dentistry and Related Research, 2019, 21, 953-959.	1.6	2