Peter Thomsen

List of Publications by Year
in descending order

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228 papers	13,512 citations	28242 55 h-index	27389 106 g-index
229 all docs	229 docs citations	229 times ranked	12181 citing authors

#	Article	IF	Citations
1	Biological factors contributing to failures of osseointegrated oral implants, (I). Success criteria and epidemiology. European Journal of Oral Sciences, 1998, 106, 527-551.	0.7	932
2	Biological factors contributing to failures of osseointegrated oral implants, (II). Etiopathogenesis. European Journal of Oral Sciences, 1998, 106, 721-764.	0.7	913
3	Titanium in Medicine. Engineering Materials, 2001, , .	0.3	689
4	Aseptic loosening, not only a question of wear: A review of different theories. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 77, 177-197.	1.2	511
5	Guided bone regeneration: materials and biological mechanisms revisited. European Journal of Oral Sciences, 2017, 125, 315-337.	0.7	468
6	Bone response to surface-modified titanium implants: studies on the early tissue response to machined and electropolished implants with different oxide thicknesses. Biomaterials, 1996, 17, 605-616.	5.7	324
7	Bone response to surface modified titanium implants: studies on electropolished implants with different oxide thicknesses and morphology. Biomaterials, 1994, 15, 1062-1074.	5.7	256
8	Osseointegration and current interpretations of the bone-implant interface. Acta Biomaterialia, 2019, 84, 1-15.	4.1	200
9	Titanium oral implants: surface characteristics, interface biology and clinical outcome. Journal of the Royal Society Interface, 2010, 7, S515-27.	1.5	183
10	Commercially pure titanium (cp-Ti) versus titanium alloy (Ti6Al4V) materials as bone anchored implants â€" Is one truly better than the other?. Materials Science and Engineering C, 2016, 62, 960-966.	3.8	182
11	Monocyte Exosomes Stimulate the Osteogenic Gene Expression of Mesenchymal Stem Cells. PLoS ONE, 2013, 8, e75227.	1.1	177
12	Structure of the interface between rabbit cortical bone and implants of gold, zirconium and titanium. Journal of Materials Science: Materials in Medicine, 1997, 8, 653-665.	1.7	164
13	3D printed Ti6Al4V implant surface promotes bone maturation and retains a higher density of less aged osteocytes at the bone-implant interface. Acta Biomaterialia, 2016, 30, 357-367.	4.1	163
14	Biomechanical characterization of osseointegration during healing: an experimental in vivo study in the rat. Biomaterials, 1997, 18, 969-978.	5.7	158
15	Novel markers of osteogenic and adipogenic differentiation of human bone marrow stromal cells identified using a quantitative proteomics approach. Stem Cell Research, 2014, 12, 153-165.	0.3	155
16	Barrier membranes: More than the barrier effect?. Journal of Clinical Periodontology, 2019, 46, 103-123.	2.3	148
17	Response of rat osteoblast-like cells to microstructured model surfaces in vitro. Biomaterials, 2003, 24, 649-654.	5.7	135
18	The inflammatory cell influx and cytokines changes during transition from acute inflammation to fibrous repair around implanted materials. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 669-687.	1.9	133

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19	Bone response to laser-induced micro- and nano-size titanium surface features. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 220-227.	1.7	132
20	Inhibitory effects of amide local anaesthetics on stimulusâ€induced human leukocyte metabolic activation, LTB₄ release and ILâ€1 secretion in vitro. Acta Anaesthesiologica Scandinavica, 1993, 37, 159-165.	0.7	131
21	Influence of Lidocaine on Leukocyte Function in the Surgical Wound. Anesthesiology, 1992, 77, 74-78.	1.3	126
22	Mesenchymal stem cell-derived exosomes have altered microRNA profiles and induce osteogenic differentiation depending on the stage of differentiation. PLoS ONE, 2018, 13, e0193059.	1.1	126
23	Advances in dental implant materials and tissue regeneration. Periodontology 2000, 2006, 41, 136-156.	6.3	124
24	Guided bone regeneration is promoted by the molecular events in the membrane compartment. Biomaterials, 2016, 84, 167-183.	5.7	122
25	Long-term osseointegration of 3D printed CoCr constructs with an interconnected open-pore architecture prepared by electron beam melting. Acta Biomaterialia, 2016, 36, 296-309.	4.1	120
26	Integration of Titanium Implants in Irradiated Bone Histologic and Clinical Study. Annals of Otology, Rhinology and Laryngology, 1988, 97, 337-340.	0.6	117
27	Structure of the bone-titanium interface in retrieved clinical oral implants. Clinical Oral Implants Research, 1991, 2, 103-111.	1.9	113
28	Endotoxin and interleukin-1Î± in the cervical mucus and vaginal fluid of pregnant women with bacterial vaginosis. American Journal of Obstetrics and Gynecology, 1993, 169, 1161-1166.	0.7	110
29	Macrophage interactions with modified material surfaces. Current Opinion in Solid State and Materials Science, 2001, 5, 163-176.	5.6	110
30	Leukocyte Supplementation Increases the Luteinizing Hormone-Induced Ovulation Rate in the in Vitro-Perfused Rat Ovary1. Biology of Reproduction, 1991, 44, 791-797.	1.2	105
31	Early tissue response to titanium implants inserted in rabbit cortical bone. Journal of Materials Science: Materials in Medicine, 1993, 4, 240-250.	1.7	105
32	The stimulation of an osteogenic response by classical monocyte activation. Biomaterials, 2011, 32, 8190-8204.	5.7	105
33	The role of whole blood in thrombin generation in contact with various titanium surfaces. Biomaterials, 2007, 28, 966-974.	5.7	103
34	Stainless steel screws coated with bisphosphonates gave stronger fixation and more surrounding bone. Histomorphometry in rats. Bone, 2008, 42, 365-371.	1.4	103
35	Long-term biocompatibility and osseointegration of electron beam melted, free-formâ€"fabricated solid and porous titanium alloy: Experimental studies in sheep. Journal of Biomaterials Applications, 2013, 27, 1003-1016.	1.2	103
36	Guided bone regeneration using resorbable membrane and different bone substitutes: Early histological and molecular events. Acta Biomaterialia, 2016, 29, 409-423.	4.1	98

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37	Surface analysis of failed oral titanium implants. , 1999, 48, 559-568.		90
38	Electron beamâ€melted, freeâ€formâ€fabricated titanium alloy implants: Material surface characterization and early bone response in rabbits. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 35-44.	1.6	89
39	Integrin and chemokine receptor gene expression in implant-adherent cells during early osseointegration. Journal of Materials Science: Materials in Medicine, 2010, 21, 969-980.	1.7	79
40	Laser-Modified Surface Enhances Osseointegration and Biomechanical Anchorage of Commercially Pure Titanium Implants for Bone-Anchored Hearing Systems. PLoS ONE, 2016, 11, e0157504.	1.1	78
41	Ultrastructure of the bone-titanium interface in rabbits. Journal of Materials Science: Materials in Medicine, 1992, 3, 262-271.	1.7	77
42	Biomineralized strontium-substituted apatite/titanium dioxide coating on titanium surfaces. Acta Biomaterialia, 2010, 6, 1591-1600.	4.1	77
43	Histopathologic Observations on Late Oral Implant Failures. Clinical Implant Dentistry and Related Research, 2000, 2, 18-32.	1.6	76
44	Characterization of the Surface Properties of Commercially Available Dental Implants Using Scanning Electron Microscopy, Focused Ion Beam, and High-Resolution Transmission Electron Microscopy. Clinical Implant Dentistry and Related Research, 2008, 10, 11-22.	1.6	75
45	Cell and soft tissue interactions with methyl- and hydroxyl-terminated alkane thiols on gold surfaces. Biomaterials, 1997, 18, 1059-1068.	5.7	70
46	The correlation between gene expression of proinflammatory markers and bone formation during osseointegration with titanium implants. Biomaterials, 2011, 32, 374-386.	5.7	69
47	Difference in tissue response to nitrogen-ion-implanted titanium and c.p. titanium in the abdominal wall of the rat. Journal of Biomedical Materials Research Part B, 1990, 24, 847-860.	3.0	67
48	Morphologic and immunohistochemical observations of tissues surrounding retrieved transvenous pacemaker leads. Journal of Biomedical Materials Research Part B, 2002, 63, 548-558.	3.0	67
49	A 5-year follow-up comparative analysis of the efficacy of various osseointegrated dental implant systems: a systematic review of randomized controlled clinical trials. International Journal of Oral and Maxillofacial Implants, 2005, 20, 557-68.	0.6	67
50	Human Embryonic Mesodermal Progenitors Highly Resemble Human Mesenchymal Stem Cells and Display High Potential for Tissue Engineering Applications. Tissue Engineering - Part A, 2010, 16, 2161-2182.	1.6	64
51	Long-term biocompatibility and osseointegration of electron beam melted, free-formâ€"fabricated solid and porous titanium alloy: Experimental studies in sheep. Journal of Biomaterials Applications, 2013, 27, 1003-1016.	1.2	64
52	Bone response to a novel Tiâ€"Taâ€"Nbâ€"Zr alloy. Acta Biomaterialia, 2015, 20, 165-175.	4.1	64
53	A Review of the Impact of Implant Biomaterials on Osteocytes. Journal of Dental Research, 2018, 97, 977-986.	2.5	62
54	Hydroxyapatite coating affects the Wnt signaling pathway during peri-implant healing in vivo. Acta Biomaterialia, 2014, 10, 1451-1462.	4.1	60

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55	The influence of controlled surface nanotopography on the early biological events of osseointegration. Acta Biomaterialia, 2017, 53, 559-571.	4.1	59
56	Method for ultrastructural studies of the intact tissue-metal interface. Biomaterials, 1990, 11, 596-601.	5.7	58
57	Bone response to surface modified titanium implants - studies on the tissue response after 1 year to machined and electropolished implants with different oxide thicknesses. Journal of Materials Science: Materials in Medicine, 1997, 8, 721-729.	1.7	58
58	IL-1Î±, IL-1Î² and TNF-Î± secretion during in vivo/ex vivo cellular interactions with titanium and copper. Biomaterials, 2003, 24, 461-468.	5.7	56
59	Preparation of multilayer plasma protein films on silicon by EDC/NHS coupling chemistry. Colloids and Surfaces B: Biointerfaces, 2003, 28, 261-272.	2.5	56
60	Technique for preparation and characterization in crossâ€section of oral titanium implant surfaces using focused ion beam and transmission electron microscopy. Journal of Biomedical Materials Research - Part A, 2008, 87A, 1003-1009.	2.1	56
61	Strontium-Doped Calcium Phosphate and Hydroxyapatite Granules Promote Different Inflammatory and Bone Remodelling Responses in Normal and Ovariectomised Rats. PLoS ONE, 2013, 8, e84932.	1.1	55
62	The bone-implant interface â€“ nanoscale analysis of clinically retrieved dental implants. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1729-1737.	1.7	55
63	Hydroxylapatite growth on single-crystal rutile substrates. Biomaterials, 2008, 29, 3317-3323.	5.7	54
64	Light and transmission electron microscopy used to study the tissue morphology close to implants. Biomaterials, 1985, 6, 421-424.	5.7	53
65	Immunohistochemistry of soft tissues surrounding late failures of BrÃ¥nemark implants. Clinical Oral Implants Research, 1997, 8, 352-366.	1.9	53
66	Adhesion, apoptosis and cytokine release of human mononuclear cells cultured on degradable poly(urethane urea), polystyrene and titanium in vitro. Biomaterials, 2003, 24, 2843-2852.	5.7	53
67	Exosomes influence the behavior of human mesenchymal stem cells on titanium surfaces. Biomaterials, 2020, 230, 119571.	5.7	53
68	In vivo cell recruitment, cytokine release and chemiluminescence response at gold, and thiol functionalized surfaces. Biomaterials, 1999, 20, 2123-2137.	5.7	52
69	In vivo cytokine secretion and NF-ÎºB activation around titanium and copper implants. Biomaterials, 2005, 26, 519-527.	5.7	52
70	Immunohistochemical studies on the distribution of albumin, fibrinogen, fibronectin, IgG and collagen around PTFE and titanium implants. Biomaterials, 1996, 17, 1779-1786.	5.7	51
71	Nanostructured model implants for in vivo studies: influence of well-defined nanotopography on de novo bone formation on titanium implants. International Journal of Nanomedicine, 2011, 6, 3415.	3.3	51
72	Failure patterns of four osseointegrated oral implant systems. Journal of Materials Science: Materials in Medicine, 1997, 8, 843-847.	1.7	50

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73	Biomechanical, histological, and ultrastructural analyses of laser microâ€•and nanoâ€structured titanium alloy implants: A study in rabbit. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1476-1486.	2.1	50
74	In vivo gene expression in response to anodically oxidized versus machined titanium implants. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1552-1566.	2.1	50
75	Biomechanical, histological and ultrastructural analyses of laser microâ€•and nanoâ€structured titanium implant after 6 months in rabbit. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 97B, 289-298.	1.6	50
76	Fibrous capsule formation around titanium and copper. Journal of Biomedical Materials Research - Part A, 2008, 85A, 888-896.	2.1	49
77	Premixed acidic calcium phosphate cement: Characterization of strength and microstructure. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 93B, 436-441.	1.6	49
78	Implants in the Abdominal Wall of the Rat. Scandinavian Journal of Plastic and Reconstructive Surgery, 1986, 20, 173-182.	0.3	47
79	Mesenchymal stem cellâ€“derived small extracellular vesicles and bone regeneration. Basic and Clinical Pharmacology and Toxicology, 2021, 128, 18-36.	1.2	47
80	Osteogenic Potential of Human Mesenchymal Stem Cells and Human Embryonic Stem Cell-Derived Mesodermal Progenitors: A Tissue Engineering Perspective. Tissue Engineering - Part A, 2010, 16, 3413-3426.	1.6	46
81	High-Resolution Visualization of the Osteocyte Lacuno-Canalicular Network Juxtaposed to the Surface of Nanotextured Titanium Implants in Human. ACS Biomaterials Science and Engineering, 2015, 1, 305-313.	2.6	45
82	A 15-year follow-up of transfemoral amputees with bone-anchored transcutaneous prostheses. Bone and Joint Journal, 2020, 102-B, 55-63.	1.9	45
83	Short-Term Bone Response to Titanium Implants Coated with Thin Radiofrequent Magnetron-Sputtered Hydroxyapatite in Rabbits. Clinical Implant Dentistry and Related Research, 2003, 5, 241-253.	1.6	44
84	Bone Response Inside Free-Form Fabricated Macroporous Hydroxyapatite Scaffolds with and without an Open Microporosity. Clinical Implant Dentistry and Related Research, 2007, 9, 79-88.	1.6	44
85	The role of well-defined nanotopography of titanium implants on osseointegration: cellular and molecular events in vivo. International Journal of Nanomedicine, 2016, 11, 1367.	3.3	44
86	Micrometer-Sized Magnesium Whitlockite Crystals in Micropetrosis of Bisphosphonate-Exposed Human Alveolar Bone. Nano Letters, 2017, 17, 6210-6216.	4.5	44
87	Commercially pure titanium and Ti6Al4V implants with and without nitrogen-ion implantation: surface characterization and quantitative studies in rabbit cortical bone. Journal of Materials Science: Materials in Medicine, 1993, 4, 132-141.	1.7	43
88	Osseointegration of titanium with an antimicrobial nanostructured noble metal coating. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1048-1056.	1.7	43
89	The role of implant surface modifications, shape and material on the success of osseointegrated dental implants. A Cochrane systematic review. European journal of prosthodontics and restorative dentistry, The, 2005, 13, 15-31.	0.3	43
90	Bone tissue reactions to biomimetic ion-substituted apatite surfaces on titanium implants. Journal of the Royal Society Interface, 2012, 9, 1615-1624.	1.5	42

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91	Biofilm formation and antimicrobial susceptibility of staphylococci and enterococci from osteomyelitis associated with percutaneous orthopaedic implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2630-2640.	1.6	42
92	A Novel Class of Injectable Bioceramics That Glue Tissues and Biomaterials. Materials, 2018, 11, 2492.	1.3	42
93	Morphological studies on machined implants of commercially pure titanium and titanium alloy (Ti6Al4V) in the rabbit. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 309-319.	1.6	41
94	The clinical, radiological, microbiological, and molecular profile of the skinâ€penetration site of transfemoral amputees treated with boneâ€anchored prostheses. Journal of Biomedical Materials Research - Part A, 2017, 105, 578-589.	2.1	41
95	Antimicrobial Peptide-Functionalized Mesoporous Hydrogels. ACS Biomaterials Science and Engineering, 2021, 7, 1693-1702.	2.6	41
96	Electron microscopic observations on the soft tissue around clinical long-term percutaneous titanium implants. Biomaterials, 1995, 16, 83-90.	5.7	40
97	Forearm bone-anchored amputation prosthesis: A case study on the osseointegration. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 78-85.	1.2	40
98	Free form fabricated features on CoCr implants with and without hydroxyapatite coating in vivo: a comparative study of bone contact and bone growth induction. Journal of Materials Science: Materials in Medicine, 2011, 22, 899-906.	1.7	40
99	Osteogenic response of human mesenchymal stem cells to well-defined nanoscale topography in vitro. International Journal of Nanomedicine, 2014, 9, 2499.	3.3	40
100	Boneâ€“titanium oxide interface in humans revealed by transmission electron microscopy and electron tomography. Journal of the Royal Society Interface, 2012, 9, 396-400.	1.5	39
101	Free-Form-Fabricated Commercially Pure Ti and Ti6Al4V Porous Scaffolds Support the Growth of Human Embryonic Stem Cell-Derived Mesodermal Progenitors. Scientific World Journal, The, 2012, 2012, 1-14.	0.8	39
102	Immunohistochemical study of the soft tissue around long-term skinpenetrating titanium implants. Biomaterials, 1995, 16, 611-616.	5.7	36
103	Bioceramic Implant Induces Bone Healing of Cranial Defects. Plastic and Reconstructive Surgery - Global Open, 2015, 3, e491.	0.3	36
104	In situ bone regeneration of large cranial defects using synthetic ceramic implants with a tailored composition and design. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26660-26671.	3.3	36
105	Experience with Percutaneous Titanium Implants in the Head and Neck: A Clinical and Histological Study. Journal of Investigative Surgery, 1989, 2, 7-16.	0.6	35
106	Visualizing biointerfaces in three dimensions: electron tomography of the boneâ€“hydroxyapatite interface. Journal of the Royal Society Interface, 2010, 7, 1497-1501.	1.5	35
107	Oxidized Titanium Implants Enhance Osseointegration via Mechanisms Involving <scp>RANK</scp>/<scp>RANKL</scp>/<scp>OPG</scp> Regulation. Clinical Implant Dentistry and Related Research, 2015, 17, e486-500.	1.6	34
108	Resorbable and Nonresorbable Hydroxyapatite Granules as Bone Graft Substitutes in Rabbit Cortical Defects. Clinical Implant Dentistry and Related Research, 2003, 5, 95-102.	1.6	33

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109	In vitro study of monocyte viability during the initial adhesion to albumin- and fibrinogen-coated surfaces. Biomaterials, 2001, 22, 827-832.	5.7	32
110	Monocyte viability on titanium and copper coated titanium. Biomaterials, 2005, 26, 5942-5950.	5.7	32
111	Osseointegration of fiber-reinforced composite implants: Histological and ultrastructural observations. Dental Materials, 2014, 30, e384-e395.	1.6	32
112	Bacteria-material surface interactions: methodological development for the assessment of implant surface induced antibacterial effects. , 2015, 103, 179-187.		32
113	The Orientation of Nanoscale Apatite Platelets in Relation to Osteoblasticâ€“Osteocyte Lacunae on Trabecular Bone Surface. Calcified Tissue International, 2016, 98, 193-205.	1.5	32
114	Bone and soft tissue outcomes, risk factors, and complications of implantâ€supported prostheses: 5â€Years RCT with different abutment types and loading protocols. Clinical Implant Dentistry and Related Research, 2018, 20, 313-321.	1.6	32
115	Implant Survival and Marginal Bone Loss at Turned and Oxidized Implants in Periodontitisâ€Susceptible Smokers and Neverâ€Smokers: A Retrospective, Clinical, Radiographic Caseâ€Control Study. Journal of Periodontology, 2013, 84, 1775-1782.	1.7	31
116	Bone Response to Surface-Modified Titanium Implants: Studies on the Early Tissue Response to Implants with Different Surface Characteristics. International Journal of Biomaterials, 2013, 2013, 1-10.	1.1	31
117	Role of nanostructured gold surfaces on monocyte activation and Staphylococcus epidermidis biofilm formation. International Journal of Nanomedicine, 2014, 9, 775.	3.3	31
118	Biofilm properties in relation to treatment outcome in patients with first-time periprosthetic hip or knee joint infection. Journal of Orthopaedic Translation, 2021, 30, 31-40.	1.9	31
119	Inflammatory cells and mediators in the silicone chamber model for nerve regenerationâ˜†. Biomaterials, 1993, 14, 1180-1185.	5.7	29
120	Effects of Irradiation on the Biomechanics of Osseointegration: an Experimental in Vivo Study in Rats. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 1997, 31, 281-293.	0.6	29
121	The effects of a systemic single dose of zoledronic acid on post-implantation bone remodelling and inflammation in an ovariectomised rat model. Biomaterials, 2013, 34, 1546-1561.	5.7	29
122	Effect of load on the bone around bone-anchored amputation prostheses. Journal of Orthopaedic Research, 2017, 35, 1113-1122.	1.2	29
123	Method for immunolocalization of extracellular proteins in association with the implantâ€”soft tissue interface. Biomaterials, 1994, 15, 17-24.	5.7	28
124	Human Embryonic Stem Cell-Derived Mesodermal Progenitors Display Substantially Increased Tissue Formation Compared to Human Mesenchymal Stem Cells Under Dynamic Culture Conditions in a Packed Bed/Column Bioreactor. Tissue Engineering - Part A, 2013, 19, 175-187.	1.6	28
125	Molecular and structural patterns of bone regeneration in surgically created defects containing bone substitutes. Biomaterials, 2014, 35, 3229-3242.	5.7	28
126	Inflammatory cell recruitment, distribution, and chemiluminescence response at IgG precoated- and thiol functionalized gold surfaces. , 1999, 47, 251-259.		27

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127	Hollow implants in soft tissues allowing quantitative studies of cells and fluid at the implant interface. Biomaterials, 1988, 9, 86-90.	5.7	26
128	Tissue response to hafnium. Journal of Materials Science: Materials in Medicine, 2001, 12, 603-611.	1.7	26
129	Bone response to free formâ€fabricated hydroxyapatite and zirconia scaffolds: a histological study in the human maxilla. Clinical Oral Implants Research, 2009, 20, 379-385.	1.9	26
130	Inflammatory cell response to ultra-thin amorphous and crystalline hydroxyapatite surfaces. Journal of Materials Science: Materials in Medicine, 2017, 28, 9.	1.7	26
131	Nanoporous TiO2 Thin Film on Titanium Oral Implants for Enhanced Human Soft Tissue Adhesion: A Light and Electron Microscopy Study. Clinical Implant Dentistry and Related Research, 2011, 13, 184-196.	1.6	25
132	Enamel matrix derivative for periodontal tissue regeneration in treatment of intrabony defects: a Cochrane systematic review. Journal of Dental Education, 2004, 68, 834-44.	0.7	25
133	Long-term bone response to titanium implants coated with thin radiofrequent magnetron-sputtered hydroxyapatite in rabbits. International Journal of Oral and Maxillofacial Implants, 2004, 19, 498-509.	0.6	25
134	Direct communication between osteocytes and acid-etched titanium implants with a sub-micron topography. Journal of Materials Science: Materials in Medicine, 2016, 27, 167.	1.7	24
135	Monocyte activation on titanium-sputtered polystyrene surfaces in vitro: the effect of culture conditions on interleukin-1 release. Biomaterials, 1996, 17, 851-858.	5.7	23
136	Bone Response to Freeâ€Form Fabricated Hydroxyapatite and Zirconia Scaffolds: A Transmission Electron Microscopy Study in the Human Maxilla. Clinical Implant Dentistry and Related Research, 2012, 14, 461-469.	1.6	23
137	Distribution of cells in soft tissue and fluid space around hollow and solid implants in the rat. Journal of Materials Science: Materials in Medicine, 1994, 5, 269-278.	1.7	22
138	In vivo/ex vivo cellular interactions with titanium and copper. Journal of Materials Science: Materials in Medicine, 2001, 12, 939-944.	1.7	22
139	In vivo evaluation of noble metal coatings. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 92B, 86-94.	1.6	22
140	Ultrastructural evaluation of shrinkage artefacts induced by fixatives and embedding resins on osteocyte processes and pericellular space dimensions. Journal of Biomedical Materials Research - Part A, 2015, 103, 1565-1576.	2.1	22
141	Leukotriene B4, interleukin 1 and leucocyte accumulation in titanium and PTFE chambers after implantation in the rat abdominal wall. Biomaterials, 1991, 12, 827-830.	5.7	21
142	A novel soft tissue model for biomaterial-associated infection and inflammation â€“ Bacteriological, morphological and molecular observations. Biomaterials, 2015, 41, 106-121.	5.7	21
143	Tissue response to titanium implants in experimental antigen-induced arthritis. Biomaterials, 1993, 14, 413-422.	5.7	20
144	Evaluation of a near-senescent human dermal fibroblast cell line and effect of amelogenin. British Journal of Dermatology, 2009, 160, 1163-1171.	1.4	20

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145	The effects of controlled nanotopography, machined topography and their combination on molecular activities, bone formation and biomechanical stability during osseointegration. Acta Biomaterialia, 2021, 136, 279-290.	4.1	20
146	Acute Inflammatory Response to Laserâ€Induced Microâ€and Nanoâ€Sized Titanium Surface Features. Clinical Implant Dentistry and Related Research, 2013, 15, 96-104.	1.6	19
147	Clinical, radiological, and gene expression analyses in smokers and nonâ€smokers, Part 2: RCT on the late healing phase of osseointegration. Clinical Implant Dentistry and Related Research, 2017, 19, 901-915.	1.6	19
148	Soft Tissue Infection Around a Skin Penetrating Osseointegrated Implant: A Case Report. Scandinavian Journal of Plastic and Reconstructive Surgery, 1987, 21, 225-228.	0.3	18
149	Bone ingrowth in zirconia and hydroxyapatite scaffolds with identical macroporosity. Journal of Materials Science: Materials in Medicine, 2008, 19, 2983-2992.	1.7	18
150	The Influence of Bone Type on the Gene Expression in Normal Bone and at the Boneâ€Implant Interface: Experiments in Animal Model. Clinical Implant Dentistry and Related Research, 2011, 13, 146-156.	1.6	18
151	Gene Expression of Inflammation and Bone Healing in Periâ€Implant Crevicular Fluid after Placement and Loading of Dental Implants. A Kinetic Clinical Pilot Study Using Quantitative Realâ€Time PCR. Clinical Implant Dentistry and Related Research, 2012, 14, 723-736.	1.6	18
152	Gene expression in periâ€implant crevicular fluid of smokers and nonsmokers. 1. The early phase of osseointegration. Clinical Implant Dentistry and Related Research, 2017, 19, 681-693.	1.6	18
153	Commercially Available Dental Implants: Review of Their Surface Characteristics. Journal of Biomaterials and Tissue Engineering, 2012, 2, 112-124.	0.0	18
154	Joint fluid leukocyte activation by preformed immune complexes. Inflammation, 1986, 10, 243-256.	1.7	17
155	Analysis of rat plasma proteins desorbed from gold and methyl- and hydroxyl-terminated alkane thiols on gold surfaces. Journal of Materials Science: Materials in Medicine, 2000, 11, 191-199.	1.7	17
156	Maintaining and re-establishing health around osseointegrated oral implants: a Cochrane systematic review comparing the efficacy of various treatments. Periodontology 2000, 2003, 33, 204-212.	6.3	17
157	Early inflammatory response in soft tissues induced by thin calcium phosphates. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2712-2717.	2.1	17
158	Immunomodulatory effects exerted by extracellular vesicles from Staphylococcus epidermidis and Staphylococcus aureus isolated from bone-anchored prostheses. Biomaterials, 2021, 278, 121158.	5.7	17
159	Cast titanium as implant material. Journal of Materials Science: Materials in Medicine, 1995, 6, 435-444.	1.7	16
160	Stimulation of nerve regeneration by macrophages in granulation tissue. Restorative Neurology and Neuroscience, 1996, 9, 141-149.	0.4	16
161	The Titanium-Bone Interface In Vivo. Engineering Materials, 2001, , 587-648.	0.3	16
162	Bone response to physicalâ€vapourâ€deposited titanium dioxide coatings on titanium implants. Clinical Oral Implants Research, 2013, 24, 1009-1017.	1.9	16

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