

# Peter Thomsen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224  
papers

10,832  
citations

52  
h-index

95  
g-index

229  
ext. papers

12,049  
ext. citations

6.4  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
224	Bone without borders - Monetite-based calcium phosphate guides bone formation beyond the skeletal envelope.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 103-114	16.7	0
223	Monocytes and pyrophosphate promote mesenchymal stem cell viability and early osteogenic differentiation.. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2022</b> , 33, 11	4.5	0
222	Achieving stomal continence with an ileal pouch and a percutaneous implant.. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2022</b> , 33, 7	4.5	
221	The effects of controlled nanotopography, machined topography and their combination on molecular activities, bone formation and biomechanical stability during osseointegration. <i>Acta Biomaterialia</i> , <b>2021</b> , 136, 279-290	10.8	2
220	Antimicrobial Peptide-Functionalized Mesoporous Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 1693-1702	5.5	12
219	Multimodal Analysis of the Tissue Response to a Bone-Anchored Hearing Implant: Presentation of a Two-Year Case Report of a Patient With Recurrent Pain, Inflammation, and Infection, Including a Systematic Literature Review. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 640899	5.9	
218	Mesenchymal stem cell-derived small extracellular vesicles and bone regeneration. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2021</b> , 128, 18-36	3.1	14
217	Sodium Salicylate Influences the Biofilm Structure and Susceptibility Towards Silver. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
216	Biofilm properties in relation to treatment outcome in patients with first-time periprosthetic hip or knee joint infection. <i>Journal of Orthopaedic Translation</i> , <b>2021</b> , 30, 31-40	4.2	3
215	Immunomodulatory effects exerted by extracellular vesicles from Staphylococcus epidermidis and Staphylococcus aureus isolated from bone-anchored prostheses. <i>Biomaterials</i> , <b>2021</b> , 278, 121158	15.6	1
214	A 15-year follow-up of transfemoral amputees with bone-anchored transcutaneous prostheses. <i>Bone and Joint Journal</i> , <b>2020</b> , 102-B, 55-63	5.6	19
213	In situ bone regeneration of large cranial defects using synthetic ceramic implants with a tailored composition and design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 26660-26671	11.5	14
212	Extracellular Vesicles Influence the Growth and Adhesion of Under Antimicrobial Selective Pressure. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1132	5.7	2
211	Cellular and molecular reactions to dental implants <b>2020</b> , 183-205		
210	Exosomes influence the behavior of human mesenchymal stem cells on titanium surfaces. <i>Biomaterials</i> , <b>2020</b> , 230, 119571	15.6	34
209	Does Smoking Impair Bone Regeneration in the Dental Alveolar Socket?. <i>Calcified Tissue International</i> , <b>2019</b> , 105, 619-629	3.9	1
208	Barrier membranes: More than the barrier effect?. <i>Journal of Clinical Periodontology</i> , <b>2019</b> , 46 Suppl 21, 103-123	7.7	65

207	Extracellular matrix composition during bone regeneration in the human dental alveolar socket. <i>Bone</i> , <b>2019</b> , 127, 244-249	4.7	8
206	Biomaterials for Cranio-Maxillofacial Bone Engineering <b>2019</b> , 7-25		
205	Osseointegration and current interpretations of the bone-implant interface. <i>Acta Biomaterialia</i> , <b>2019</b> , 84, 1-15	10.8	117
204	The clinical outcome and microbiological profile of bone-anchored hearing systems (BAHS) with different abutment topographies: a prospective pilot study. <i>European Archives of Oto-Rhino-Laryngology</i> , <b>2018</b> , 275, 1395-1408	3.5	9
203	Bone and soft tissue outcomes, risk factors, and complications of implant-supported prostheses: 5-Years RCT with different abutment types and loading protocols. <i>Clinical Implant Dentistry and Related Research</i> , <b>2018</b> , 20, 313-321	3.9	16
202	Three-dimensional modeling of removal torque and fracture progression around implants. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 104	4.5	1
201	A Review of the Impact of Implant Biomaterials on Osteocytes. <i>Journal of Dental Research</i> , <b>2018</b> , 97, 977-986	8.1	35
200	Mesenchymal stem cell-derived exosomes have altered microRNA profiles and induce osteogenic differentiation depending on the stage of differentiation. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193059	3.7	78
199	A Novel Class of Injectable Bioceramics that Glue Tissues and Biomaterials. <i>Materials</i> , <b>2018</b> , 11,	3.5	29
198	Implant-associated gene expression in the jaw bone of smokers and nonsmokers: A human study using quantitative qPCR. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29, 937-953	4.8	7
197	Interactions between monocytes, mesenchymal stem cells, and implants evaluated using flow cytometry and gene expression. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1728-1741	4.4	6
196	Effect of load on the bone around bone-anchored amputation prostheses. <i>Journal of Orthopaedic Research</i> , <b>2017</b> , 35, 1113-1122	3.8	21
195	The influence of controlled surface nanotopography on the early biological events of osseointegration. <i>Acta Biomaterialia</i> , <b>2017</b> , 53, 559-571	10.8	49
194	Site-specific gene expression analysis of implant-near cells in a soft tissue infection model - Application of laser microdissection to study biomaterial-associated infection. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 2210-2217	5.4	4
193	Gene expression in peri-implant crevicular fluid of smokers and nonsmokers. 1. The early phase of osseointegration. <i>Clinical Implant Dentistry and Related Research</i> , <b>2017</b> , 19, 681-693	3.9	17
192	Inflammatory cell response to ultra-thin amorphous and crystalline hydroxyapatite surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 9	4.5	16
191	Corrigendum to Electropolished Titanium Implants with a Mirror-Like Surface Support Osseointegration and Bone Remodelling <i>Advances in Materials Science and Engineering</i> , <b>2017</b> , 2017, 1-2	1.5	
190	Guided bone regeneration: materials and biological mechanisms revisited. <i>European Journal of Oral Sciences</i> , <b>2017</b> , 125, 315-337	2.3	254

189	Micrometer-Sized Magnesium Whitlockite Crystals in Micropetrosis of Bisphosphonate-Exposed Human Alveolar Bone. <i>Nano Letters</i> , <b>2017</b> , 17, 6210-6216	11.5	32
188	Clinical, radiological, and gene expression analyses in smokers and non-smokers, Part 2: RCT on the late healing phase of osseointegration. <i>Clinical Implant Dentistry and Related Research</i> , <b>2017</b> , 19, 901-913	3.9	15
187	Staphylococcal biofilm gene expression on biomaterials - A methodological study. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 3400-3412	5.4	6
186	Biofilm formation and antimicrobial susceptibility of staphylococci and enterococci from osteomyelitis associated with percutaneous orthopaedic implants. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 2630-2640	3.5	25
185	The clinical, radiological, microbiological, and molecular profile of the skin-penetration site of transfemoral amputees treated with bone-anchored prostheses. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 578-589	5.4	27
184	Guided bone regeneration using resorbable membrane and different bone substitutes: Early histological and molecular events. <i>Acta Biomaterialia</i> , <b>2016</b> , 29, 409-423	10.8	76
183	Bone Response and Soft Tissue Changes Around Implants With/Without Abutments Supporting Fixed Partial Dentures: Results From a 3-Year, Prospective, Randomized, Controlled Study. <i>Clinical Implant Dentistry and Related Research</i> , <b>2016</b> , 18, 309-22	3.9	10
182	Direct communication between osteocytes and acid-etched titanium implants with a sub-micron topography. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 167	4.5	19
181	The Orientation of Nanoscale Apatite Platelets in Relation to Osteoblastic-Osteocyte Lacunae on Trabecular Bone Surface. <i>Calcified Tissue International</i> , <b>2016</b> , 98, 193-205	3.9	22
180	Commercially pure titanium (cp-Ti) versus titanium alloy (Ti6Al4V) materials as bone anchored implants - Is one truly better than the other?. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 960-6	8.3	123
179	3D printed Ti6Al4V implant surface promotes bone maturation and retains a higher density of less aged osteocytes at the bone-implant interface. <i>Acta Biomaterialia</i> , <b>2016</b> , 30, 357-367	10.8	119
178	Guided bone regeneration is promoted by the molecular events in the membrane compartment. <i>Biomaterials</i> , <b>2016</b> , 84, 167-183	15.6	82
177	Laser-Modified Surface Enhances Osseointegration and Biomechanical Anchorage of Commercially Pure Titanium Implants for Bone-Anchored Hearing Systems. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157504	3.7	62
176	Electropolished Titanium Implants with a Mirror-Like Surface Support Osseointegration and Bone Remodelling. <i>Advances in Materials Science and Engineering</i> , <b>2016</b> , 2016, 1-10	1.5	3
175	The role of well-defined nanotopography of titanium implants on osseointegration: cellular and molecular events in vivo. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 1367-82	7.3	32
174	Long-term osseointegration of 3D printed CoCr constructs with an interconnected open-pore architecture prepared by electron beam melting. <i>Acta Biomaterialia</i> , <b>2016</b> , 36, 296-309	10.8	93
173	Jaw Bone Samples From Bisphosphonate-Treated Patients: A Pilot Cohort Study. <i>Clinical Implant Dentistry and Related Research</i> , <b>2015</b> , 17 Suppl 2, e679-91	3.9	7
172	High-Resolution Visualization of the Osteocyte Lacuno-Canalicular Network Juxtaposed to the Surface of Nanotextured Titanium Implants in Human. <i>ACS Biomaterials Science and Engineering</i> , <b>2015</b> , 1, 305-313	5.5	38

171	Bone response to a novel Ti-Ta-Nb-Zr alloy. <i>Acta Biomaterialia</i> , <b>2015</b> , 20, 165-175	10.8	50
170	A novel soft tissue model for biomaterial-associated infection and inflammation - bacteriological, morphological and molecular observations. <i>Biomaterials</i> , <b>2015</b> , 41, 106-21	15.6	18
169	Bacteria-material surface interactions: methodological development for the assessment of implant surface induced antibacterial effects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2015</b> , 103, 179-87	3.5	23
168	Ultrastructural evaluation of shrinkage artefacts induced by fixatives and embedding resins on osteocyte processes and pericellular space dimensions. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 1565-76	5.4	17
167	Bioceramic Implant Induces Bone Healing of Cranial Defects. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2015</b> , 3, e491	1.2	27
166	Oxidized Titanium Implants Enhance Osseointegration via Mechanisms Involving RANK/RANKL/OPG Regulation. <i>Clinical Implant Dentistry and Related Research</i> , <b>2015</b> , 17 Suppl 2, e486-500	3.9	31
165	Osseointegration of fiber-reinforced composite implants: histological and ultrastructural observations. <i>Dental Materials</i> , <b>2014</b> , 30, e384-95	5.7	26
164	The effects of PPAR- $\gamma$ inhibition on gene expression and the progression of induced osteogenic differentiation of human mesenchymal stem cells. <i>Connective Tissue Research</i> , <b>2014</b> , 55, 262-74	3.3	11
163	Hydroxyapatite coating affects the Wnt signaling pathway during peri-implant healing in vivo. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 1451-62	10.8	45
162	The bone-implant interface - nanoscale analysis of clinically retrieved dental implants. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1729-37	6	46
161	Novel markers of osteogenic and adipogenic differentiation of human bone marrow stromal cells identified using a quantitative proteomics approach. <i>Stem Cell Research</i> , <b>2014</b> , 12, 153-65	1.6	128
160	Molecular and structural patterns of bone regeneration in surgically created defects containing bone substitutes. <i>Biomaterials</i> , <b>2014</b> , 35, 3229-42	15.6	22
159	Osteogenic response of human mesenchymal stem cells to well-defined nanoscale topography in vitro. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 2499-515	7.3	36
158	Role of nanostructured gold surfaces on monocyte activation and Staphylococcus epidermidis biofilm formation. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 775-94	7.3	29
157	Retrieved bone-anchored percutaneous amputation prosthesis showing maintained osseointegration after 11 years-a case report. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2014</b> , 85, 442-5	4.3	11
156	Immediately loaded implants with or without abutments supporting fixed partial dentures: 1-year results from a prospective, randomized, clinical trial. <i>Clinical Implant Dentistry and Related Research</i> , <b>2014</b> , 16, 487-500	3.9	11
155	Gene expression profiling of peri-implant healing of PLGA-Li+ implants suggests an activated Wnt signaling pathway in vivo. <i>PLoS ONE</i> , <b>2014</b> , 9, e102597	3.7	11
154	Bone response to physical-vapour-deposited titanium dioxide coatings on titanium implants. <i>Clinical Oral Implants Research</i> , <b>2013</b> , 24, 1009-17	4.8	7

153	Acute inflammatory response to laser-induced micro- and nano-sized titanium surface features. <i>Clinical Implant Dentistry and Related Research</i> , <b>2013</b> , 15, 96-104	3.9	17
152	Osseointegration of titanium with an antimicrobial nanostructured noble metal coating. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 1048-56	6	38
151	Long-term biocompatibility and osseointegration of electron beam melted, free-form-fabricated solid and porous titanium alloy: experimental studies in sheep. <i>Journal of Biomaterials Applications</i> , <b>2013</b> , 27, 1003-16	2.9	85
150	Implant survival and marginal bone loss at turned and oxidized implants in periodontitis-susceptible smokers and never-smokers: a retrospective, clinical, radiographic case-control study. <i>Journal of Periodontology</i> , <b>2013</b> , 84, 1775-82	4.6	29
149	Locally enhanced early bone formation of zoledronic acid incorporated into a bone cement plug in vivo. <i>Journal of Pharmacy and Pharmacology</i> , <b>2013</b> , 65, 201-12	4.8	10
148	The effects of a systemic single dose of zoledronic acid on post-implantation bone remodelling and inflammation in an ovariectomised rat model. <i>Biomaterials</i> , <b>2013</b> , 34, 1546-61	15.6	23
147	Long-term biocompatibility and osseointegration of electron beam melted, free-form fabricated solid and porous titanium alloy: Experimental studies in sheep. <i>Journal of Biomaterials Applications</i> , <b>2013</b> , 27, 1003-1016	2.9	54
146	Bone response to surface-modified titanium implants: studies on the early tissue response to implants with different surface characteristics. <i>International Journal of Biomaterials</i> , <b>2013</b> , 2013, 412482 <sup>3,2</sup>		20
145	Virtual ligand-based screening reveals purmorphamine analogs with the capacity to induce the osteogenic differentiation of human mesenchymal stem cells. <i>Cells Tissues Organs</i> , <b>2013</b> , 197, 89-102	2.1	4
144	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. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 175-87	3.9	24
143	Early inflammatory response in soft tissues induced by thin calcium phosphates. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 2712-7	5.4	12
142	Monocyte exosomes stimulate the osteogenic gene expression of mesenchymal stem cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e75227	3.7	140
141	Strontium-doped calcium phosphate and hydroxyapatite granules promote different inflammatory and bone remodelling responses in normal and ovariectomised rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e84932	3.7	46
140	Human progenitor cells for bone engineering applications. <i>Current Molecular Medicine</i> , <b>2013</b> , 13, 723-34	2.5	2
139	Bone response to free-form fabricated hydroxyapatite and zirconia scaffolds: a transmission electron microscopy study in the human maxilla. <i>Clinical Implant Dentistry and Related Research</i> , <b>2012</b> , 14, 461-9	3.9	18
138	Gene expression of inflammation and bone healing in peri-implant crevicular fluid after placement and loading of dental implants. A kinetic clinical pilot study using quantitative real-time PCR. <i>Clinical Implant Dentistry and Related Research</i> , <b>2012</b> , 14, 723-36	3.9	15
137	Highly packed and aligned fluoride substituted hydroxyapatite via a surfactant-free process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2012</b> , 100, 75-81	3.5	14
136	Bone-titanium oxide interface in humans revealed by transmission electron microscopy and electron tomography. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 396-400	4.1	31

135	Bone tissue reactions to biomimetic ion-substituted apatite surfaces on titanium implants. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 1615-24	4.1	36
134	Amelogenins modulate cytokine expression in LPS-challenged cultured human macrophages. <i>Cytokine</i> , <b>2012</b> , 58, 274-9	4	7
133	Free-form-fabricated commercially pure Ti and Ti6Al4V porous scaffolds support the growth of human embryonic stem cell-derived mesodermal progenitors. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 646417	2.2	34
132	Biocompatibility and resorption of a radiopaque premixed calcium phosphate cement. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 1269-78	5.4	10
131	Resolving the CaP-bone interface: a review of discoveries with light and electron microscopy. <i>Biomatter</i> , <b>2012</b> , 2, 15-23		6
130	Ultrastructural characterisation of the hydroxyapatite-coated pedicle screw and human bone interface. <i>International Journal of Nano and Biomaterials</i> , <b>2012</b> , 4, 1	0.2	1
129	Commercially Available Dental Implants: Review of Their Surface Characteristics. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2012</b> , 2, 112-124	0.3	13
128	Nanostructured model implants for in vivo studies: influence of well-defined nanotopography on de novo bone formation on titanium implants. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 3415-28	7.3	43
127	In vitro and in vivo evaluation of an injectable premixed calcium phosphate cement; cell viability and immunological response from rat. <i>International Journal of Nano and Biomaterials</i> , <b>2011</b> , 3, 203	0.2	6
126	Amelogenins promote an alternatively activated macrophage phenotype in vitro. <i>International Journal of Nano and Biomaterials</i> , <b>2011</b> , 3, 282	0.2	3
125	The influence of bone type on the gene expression in normal bone and at the bone-implant interface: experiments in animal model. <i>Clinical Implant Dentistry and Related Research</i> , <b>2011</b> , 13, 146-56	3.9	17
124	Nanoporous TiO <sub>2</sub> thin film on titanium oral implants for enhanced human soft tissue adhesion: a light and electron microscopy study. <i>Clinical Implant Dentistry and Related Research</i> , <b>2011</b> , 13, 184-96	3.9	22
123	The stimulation of an osteogenic response by classical monocyte activation. <i>Biomaterials</i> , <b>2011</b> , 32, 8190-204	15.0	91
122	Free form fabricated features on CoCr implants with and without hydroxyapatite coating in vivo: a comparative study of bone contact and bone growth induction. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 899-906	4.5	36
121	Bone response to laser-induced micro- and nano-size titanium surface features. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2011</b> , 7, 220-7	6	102
120	The correlation between gene expression of proinflammatory markers and bone formation during osseointegration with titanium implants. <i>Biomaterials</i> , <b>2011</b> , 32, 374-86	15.6	65
119	Biomechanical, histological and ultrastructural analyses of laser micro- and nano-structured titanium implant after 6 months in rabbit. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2011</b> , 97, 289-98	3.5	44
118	Integration between a percutaneous implant and the porcine small bowel. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2011</b> , 98, 101-9	3.5	2

117	Human embryonic mesodermal progenitors highly resemble human mesenchymal stem cells and display high potential for tissue engineering applications. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 2161-82	3.9	59
116	Titanium oral implants: surface characteristics, interface biology and clinical outcome. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7 Suppl 5, S515-27	4.1	147
115	Visualizing biointerfaces in three dimensions: electron tomography of the bone-hydroxyapatite interface. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 1497-501	4.1	27
114	Osteogenic potential of human mesenchymal stem cells and human embryonic stem cell-derived mesodermal progenitors: a tissue engineering perspective. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3413-26	3.9	38
113	Biomechanical, histological, and ultrastructural analyses of laser micro- and nano-structured titanium alloy implants: a study in rabbit. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 1476-86	5.4	30
112	In vivo gene expression in response to anodically oxidized versus machined titanium implants. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 1552-66	5.4	39
111	Integrin and chemokine receptor gene expression in implant-adherent cells during early osseointegration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2010</b> , 21, 969-80	4.5	69
110	Amelogenin is phagocytized and induces changes in integrin configuration, gene expression and proliferation of cultured normal human dermal fibroblasts. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2010</b> , 21, 947-54	4.5	13
109	In vivo evaluation of noble metal coatings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2010</b> , 92, 86-94	3.5	18
108	Premixed acidic calcium phosphate cement: characterization of strength and microstructure. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2010</b> , 93, 436-41	3.5	43
107	Biomineralized strontium-substituted apatite/titanium dioxide coating on titanium surfaces. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 1591-600	10.8	71
106	Morphological studies on machined implants of commercially pure titanium and titanium alloy (Ti6Al4V) in the rabbit. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 91, 309-19	3.5	37
105	Evaluation of a near-senescent human dermal fibroblast cell line and effect of amelogenin. <i>British Journal of Dermatology</i> , <b>2009</b> , 160, 1163-71	4	18
104	Bone response to free form-fabricated hydroxyapatite and zirconia scaffolds: a histological study in the human maxilla. <i>Clinical Oral Implants Research</i> , <b>2009</b> , 20, 379-85	4.8	25
103	Electron beam-melted, free-form-fabricated titanium alloy implants: Material surface characterization and early bone response in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 90, 35-44	3.5	67
102	Stainless steel screws coated with bisphosphonates gave stronger fixation and more surrounding bone. Histomorphometry in rats. <i>Bone</i> , <b>2008</b> , 42, 365-71	4.7	92
101	Forearm bone-anchored amputation prosthesis: a case study on the osseointegration. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2008</b> , 79, 78-85	4.3	37
100	Hydroxylapatite growth on single-crystal rutile substrates. <i>Biomaterials</i> , <b>2008</b> , 29, 3317-23	15.6	46



99	A novel method for producing electron transparent films of interfaces between cells and biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 467-70	4.5	10
98	Bone ingrowth in zirconia and hydroxyapatite scaffolds with identical macroporosity. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 2983-92	4.5	16
97	Fibrous capsule formation around titanium and copper. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 85, 888-96	5.4	45
96	Technique for preparation and characterization in cross-section of oral titanium implant surfaces using focused ion beam and transmission electron microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 87, 1003-9	5.4	50
95	Characterization of the surface properties of commercially available dental implants using scanning electron microscopy, focused ion beam, and high-resolution transmission electron microscopy. <i>Clinical Implant Dentistry and Related Research</i> , <b>2008</b> , 10, 11-22	3.9	65
94	The role of whole blood in thrombin generation in contact with various titanium surfaces. <i>Biomaterials</i> , <b>2007</b> , 28, 966-74	15.6	96
93	Bone response inside free-form fabricated macroporous hydroxyapatite scaffolds with and without an open microporosity. <i>Clinical Implant Dentistry and Related Research</i> , <b>2007</b> , 9, 79-88	3.9	37
92	Aseptic loosening, not only a question of wear: a review of different theories. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2006</b> , 77, 177-97	4.3	418
91	The inflammatory cell influx and cytokines changes during transition from acute inflammation to fibrous repair around implanted materials. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2006</b> , 17, 669-87	3.5	114
90	Advances in dental implant materials and tissue regeneration. <i>Periodontology 2000</i> , <b>2006</b> , 41, 136-56	12.9	107
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