

# Dieter Scharnweber

## List of Publications by Year in descending order

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127  
papers

6,261  
citations

57758

44  
h-index

74163

75  
g-index

127  
all docs

127  
docs citations

127  
times ranked

7747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent linkage of sulfated hyaluronan to the collagen scaffold Mucograft® enhances scaffold stability and reduces proinflammatory macrophage activation in vivo. <i>Bioactive Materials</i> , 2022, 8, 420-434.	15.6	15
2	Surface Functionalization of Poly(l-lactide-co-glycolide) Membranes with RGD-Grafted Poly(2-oxazoline) for Periodontal Tissue Engineering. <i>Journal of Functional Biomaterials</i> , 2022, 13, 4.	4.4	11
3	Sodium alendronate loaded poly(l-lactide-co-glycolide) microparticles immobilized on ceramic scaffolds for local treatment of bone defects. <i>International Journal of Energy Production and Management</i> , 2021, 8, 293-302.	3.7	13
4	Hyaluronan/Collagen Hydrogels with Sulfated Glycosaminoglycans Maintain VEGF <sub>165</sub> Activity and Fine-Tune Endothelial Cell Response. <i>ACS Applied Bio Materials</i> , 2021, 4, 494-506.	4.6	9
5	Chemically modified glycosaminoglycan derivatives as building blocks for biomaterial coatings and hydrogels. <i>Biological Chemistry</i> , 2021, 402, 1385-1395.	2.5	10
6	Implant surface modifications and new development in surface coatings. , 2020, , 89-124.		2
7	The influence of different artificial extracellular matrix implant coatings on the regeneration of a critical size femur defect in rats. <i>Materials Science and Engineering C</i> , 2020, 116, 111157.	7.3	8
8	Strengthening of Titanium by Equal Channel Angular Pressing – Impact on Oxide Layer Properties of Pure Titanium and Ti6Al4V. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000552.	3.7	4
9	Success and side effects of different treatment options in the low current attack of bacterial biofilms on titanium implants. <i>Bioelectrochemistry</i> , 2020, 133, 107485.	4.6	12
10	Mono(2-ethylhexyl) phthalate (MEHP) and mono(2-ethyl-5-oxohexyl) phthalate (MEOHP) but not di(2-ethylhexyl) phthalate (DEHP) bind productively to the peroxisome proliferator-activated receptor $\beta$ . <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 75-85.	1.5	26
11	Recapitulating bone development events in a customised bioreactor through interplay of oxygen tension, medium pH, and systematic differentiation approaches. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1672-1684.	2.7	1
12	Hyaluronan/collagen hydrogel matrices containing high-sulfated hyaluronan microgels for regulating transforming growth factor- $\beta$ 1. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 65.	3.6	13
13	Sulfated hyaluronan-containing artificial extracellular matrices promote proliferation of keratinocytes and melanotic phenotype of melanocytes from the outer root sheath of hair follicles. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1640-1653.	4.0	7
14	Immobilization of Denosumab on Titanium Affects Osteoclastogenesis of Human Peripheral Blood Monocytes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1002.	4.1	4
15	Increased pore size of scaffolds improves coating efficiency with sulfated hyaluronan and mineralization capacity of osteoblasts. <i>Biomaterials Research</i> , 2019, 23, 26.	6.9	32
16	Biomaterials in repairing rat femoral defects: In vivo insights from small animal positron emission tomography/computed tomography (PET/CT) studies. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 177-194.	1.7	8
17	Dual Action of Sulfated Hyaluronan on Angiogenic Processes in Relation to Vascular Endothelial Growth Factor-A. <i>Scientific Reports</i> , 2019, 9, 18143.	3.3	28
18	Hyaluronan/collagen hydrogels containing sulfated hyaluronan improve wound healing by sustained release of heparin-binding EGF-like growth factor. <i>Acta Biomaterialia</i> , 2019, 86, 135-147.	8.3	113

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19	Synergistic effect of bimodal pore distribution and artificial extracellular matrices in polymeric scaffolds on osteogenic differentiation of human mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2019, 97, 12-22.	7.3	11
20	Sulfation degree not origin of chondroitin sulfate derivatives modulates keratinocyte response. <i>Carbohydrate Polymers</i> , 2018, 191, 53-64.	10.2	19
21	Utilizing DNA for functionalization of biomaterial surfaces. <i>FEBS Letters</i> , 2018, 592, 2181-2196.	2.8	10
22	Osteogenic nanostructured titanium surfaces with antibacterial properties under conditions that mimic the dynamic situation in the oral cavity. <i>Biomaterials Science</i> , 2018, 6, 1390-1402.	5.4	19
23	Nanofibrous artificial skin substitute composed of mPEG-PCL grafted gelatin/hyaluronan/chondroitin sulfate/sericin for 2nd degree burn care: in vitro and in vivo study. <i>RSC Advances</i> , 2018, 8, 16420-16432.	3.6	36
24	Sulfated Hyaluronan Alters Endothelial Cell Activation in Vitro by Controlling the Biological Activity of the Angiogenic Factors Vascular Endothelial Growth Factor-A and Tissue Inhibitor of Metalloproteinase-3. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9539-9550.	8.0	23
25	Investigation of the mechanical and chemical characteristics of nanotubular and nano-pitted anodic films on grade 2 titanium dental implant materials. <i>Materials Science and Engineering C</i> , 2017, 78, 69-78.	7.3	24
26	Developing a Customized Perfusion Bioreactor Prototype with Controlled Positional Variability in Oxygen Partial Pressure for Bone and Cartilage Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 286-297.	2.1	17
27	Biomimetic electrospun scaffolds from main extracellular matrix components for skin tissue engineering application – The role of chondroitin sulfate and sulfated hyaluronan. <i>Materials Science and Engineering C</i> , 2017, 79, 15-22.	7.3	60
28	Sulfated Hyaluronan Derivatives Modulate TGF- $\beta$ 1:Receptor Complex Formation: Possible Consequences for TGF- $\beta$ 1 Signaling. <i>Scientific Reports</i> , 2017, 7, 1210.	3.3	30
29	Properties of composite oxide layers on the Ti13Nb13Zr alloy. <i>Surface Engineering</i> , 2017, 33, 841-848.	2.2	8
30	Evaluation of cell-surface interaction using a 3D spheroid cell culture model on artificial extracellular matrices. <i>Materials Science and Engineering C</i> , 2017, 73, 310-318.	7.3	18
31	Hyaluronan/Collagen Hydrogels with Sulfated Hyaluronan for Improved Repair of Vascularized Tissue Tune the Binding of Proteins and Promote Endothelial Cell Growth. <i>Macromolecular Bioscience</i> , 2017, 17, 1700154.	4.1	26
32	Reciprocal influence of hMSCs/HaCaT cultivated on electrospun scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 128.	3.6	5
33	Collagen/glycosaminoglycan coatings enhance new bone formation in a critical size bone defect – A pilot study in rats. <i>Materials Science and Engineering C</i> , 2017, 71, 84-92.	7.3	33
34	Macromol. Biosci. 11/2017. <i>Macromolecular Bioscience</i> , 2017, 17, .	4.1	0
35	Bone Morphogenetic Protein-2 Hybridized with Nano-Anchored Oligonucleotides on Titanium Implants Enhances Osteogenic Differentiation In Vivo. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, e175-e182.	1.4	7
36	Sulfated hyaluronan improves bone regeneration of diabetic rats by binding sclerostin and enhancing osteoblast function. <i>Biomaterials</i> , 2016, 96, 11-23.	11.4	55

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37	Structural and functional insights into the interaction of sulfated glycosaminoglycans with tissue inhibitor of metalloproteinase-3 " A possible regulatory role on extracellular matrix homeostasis. <i>Acta Biomaterialia</i> , 2016, 45, 143-154.	8.3	31
38	Sulfated Hyaluronan Alters the Interaction Profile of TIMP-3 with the Endocytic Receptor LRP-1 Clusters II and IV and Increases the Extracellular TIMP-3 Level of Human Bone Marrow Stromal Cells. <i>Biomacromolecules</i> , 2016, 17, 3252-3261.	5.4	20
39	Application of Lateral and Distance Spacers in an Oligonucleotide Based Immobilization System for Bioactive Molecules onto Titanium Implants. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3755-3764.	8.0	7
40	Co-cultivation of keratinocyte-human mesenchymal stem cell (hMSC) on sericin loaded electrospun nanofibrous composite scaffold (cationic gelatin/hyaluronan/chondroitin sulfate) stimulates epithelial differentiation in hMSCs: In Vitro study. <i>Biomaterials</i> , 2016, 88, 83-96.	11.4	86
41	Electrochemically assisted deposition of hydroxyapatite on Ti6Al4V substrates covered by CVD diamond films " Coating characterization and first cell biological results. <i>Materials Science and Engineering C</i> , 2016, 59, 624-635.	7.3	45
42	Bone Formation in a Local Defect around Dental Implants Coated with Extracellular Matrix Components. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 742-757.	3.7	12
43	Functionalization of titanium implants using a modular system for binding and release of VEGF enhances bone-implant contact in a rodent model. <i>Journal of Clinical Periodontology</i> , 2015, 42, 302-310.	4.9	24
44	Biocomposite and Bioceramic Coatings and Materials. , 2015, , 445-470.		1
45	Collagen-lactoferrin fibrillar coatings enhance osteoblast proliferation and differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 525-533.	4.0	22
46	Structural and functional insights into sclerostin-glycosaminoglycan interactions in bone. <i>Biomaterials</i> , 2015, 67, 335-345.	11.4	39
47	Bioinspired Collagen/Glycosaminoglycan-Based Cellular Microenvironments for Tuning Osteoclastogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23787-23797.	8.0	42
48	Glycosaminoglycan derivatives: promising candidates for the design of functional biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 232.	3.6	53
49	Interplay of Substrate Conductivity, Cellular Microenvironment, and Pulsatile Electrical Stimulation toward Osteogenesis of Human Mesenchymal Stem Cells in Vitro. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23015-23028.	8.0	78
50	A modular peptide-based immobilization system for ZrO <sub>2</sub> , TiZr and TiO <sub>2</sub> surfaces. <i>Acta Biomaterialia</i> , 2015, 12, 290-297.	8.3	6
51	Improved Anchorage of Ti6Al4V Orthopaedic Bone Implants through Oligonucleotide Mediated Immobilization of BMP-2 in Osteoporotic Rats. <i>PLoS ONE</i> , 2014, 9, e86151.	2.5	20
52	Detonation nanodiamonds biofunctionalization and immobilization to titanium alloy surfaces as first steps towards medical application. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2765-2773.	2.2	16
53	Healing properties of surface-coated polycaprolactone-co-lactide scaffolds: A pilot study in sheep. <i>Journal of Biomaterials Applications</i> , 2014, 28, 654-666.	2.4	25
54	Influence of pulse ratio on codeposition of copper species with calcium phosphate coatings on titanium by means of electrochemically assisted deposition. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 160-172.	3.4	15

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55	Sulfated Glycosaminoglycans Support Osteoblast Functions and Concurrently Suppress Osteoclasts. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1101-1111.	2.6	59
56	Glycosaminoglycans and their sulfate derivatives differentially regulate the viability and gene expression of osteocyte-like cell lines. <i>Journal of Bioactive and Compatible Polymers</i> , 2014, 29, 474-485.	2.1	11
57	Coating with artificial matrices from collagen and sulfated hyaluronan influences the osseointegration of dental implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 247-258.	3.6	44
58	Impact of a functionalized olive oil extract on the uterus and the bone in a model of postmenopausal osteoporosis. <i>European Journal of Nutrition</i> , 2014, 53, 1073-1081.	3.9	31
59	Sulfated Glycosaminoglycans Exploit the Conformational Plasticity of Bone Morphogenetic Protein-2 (BMP-2) and Alter the Interaction Profile with Its Receptor. <i>Biomacromolecules</i> , 2014, 15, 3083-3092.	5.4	76
60	Investigation of the Peptide Adsorption on ZrO <sub>2</sub> , TiZr, and TiO <sub>2</sub> Surfaces as a Method for Surface Modification. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7408-7416.	8.0	27
61	Increased bone remodelling around titanium implants coated with chondroitin sulfate in ovariectomized rats. <i>Acta Biomaterialia</i> , 2014, 10, 2855-2865.	8.3	29
62	Sulfated Hyaluronan Influences the Formation of Artificial Extracellular Matrices and the Adhesion of Osteogenic Cells. <i>Macromolecular Bioscience</i> , 2014, 14, 1783-1794.	4.1	19
63	The role of oxidative stress in pro-inflammatory activation of human endothelial cells on Ti6Al4V alloy. <i>Biomaterials</i> , 2013, 34, 8075-8085.	11.4	40
64	Comparison of estrogenic responses in bone and uterus depending on the parity status in Lewis rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 133, 101-109.	2.5	9
65	The promotion of osteoclastogenesis by sulfated hyaluronan through interference with osteoprotegerin and receptor activator of NF- $\kappa$ B ligand/osteoprotegerin complex formation. <i>Biomaterials</i> , 2013, 34, 7653-7661.	11.4	32
66	Progression of Osteogenic Cell Cultures Grown on Microtopographic Titanium Coated With Calcium Phosphate and Functionalized With a Type I Collagen-Derived Peptide. <i>Journal of Periodontology</i> , 2013, 84, 1199-1210.	3.4	16
67	Peptide linkers for the immobilization of bioactive molecules on biphasic calcium phosphate via a modular immobilization system. <i>Acta Biomaterialia</i> , 2013, 9, 4899-4905.	8.3	12
68	Artificial extracellular matrix composed of collagen I and highly sulfated hyaluronan interferes with TGF $\beta$ 1 signaling and prevents TGF $\beta$ 1-induced myofibroblast differentiation. <i>Acta Biomaterialia</i> , 2013, 9, 7775-7786.	8.3	49
69	Surface functionalization of biomaterials with tissue-inductive artificial extracellular matrices. <i>BioNanoMaterials</i> , 2013, 14, .	1.4	1
70	Physicochemical and cell biological characterization of PMMA bone cements modified with additives to increase bioactivity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 599-609.	3.4	24
71	The Role of Oxidative Stress in the Response of Endothelial Cells to Metals. <i>Springer Series in Biomaterials Science and Engineering</i> , 2013, , 65-88.	1.0	1
72	Functionalization of biomaterial surfaces using artificial extracellular matrices. <i>Biomatter</i> , 2012, 2, 132-141.	2.6	46

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73	Embroidered and surface coated polycaprolactone-co-lactide scaffolds. Biomatter, 2012, 2, 158-165.	2.6	27
74	Sulfated Glycosaminoglycan Building Blocks for the Design of Artificial Extracellular Matrices. ACS Symposium Series, 2012, , 315-328.	0.5	5
75	The effect of the degree of sulfation of glycosaminoglycans on osteoclast function and signaling pathways. Biomaterials, 2012, 33, 8418-8429.	11.4	73
76	Synergistic effect of defined artificial extracellular matrices and pulsed electric fields on osteogenic differentiation of human MSCs. Biomaterials, 2012, 33, 8975-8985.	11.4	70
77	Estimation of an early meaningful time point of bone parameter changes in application to an osteoporotic rat model with in vivo microcomputed tomography measurements. Laboratory Animals, 2012, 46, 237-244.	1.0	13
78	Artificial extracellular matrices composed of collagen I and sulfated hyaluronan with adsorbed transforming growth factor $\beta$ 1 promote collagen synthesis of human mesenchymal stromal cells. Acta Biomaterialia, 2012, 8, 659-666.	8.3	81
79	Effect of oligonucleotide mediated immobilization of bone morphogenic proteins on titanium surfaces. Biomaterials, 2012, 33, 1315-1322.	11.4	33
80	Biological functionalization of dental implants with collagen and glycosaminoglycansâ€”A comparative study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 331-341.	3.4	49
81	Immune responses to implants â€” A review of the implications for the design of immunomodulatory biomaterials. Biomaterials, 2011, 32, 6692-6709.	11.4	1,114
82	Growth promoting substrates for human dermal fibroblasts provided by artificial extracellular matrices composed of collagen I and sulfated glycosaminoglycans. Biomaterials, 2011, 32, 8938-8946.	11.4	75
83	Osseointegration of Titanium Prostheses on the Stapes Footplate. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 161-171.	1.8	19
84	Glucuronic acid and phosphoserine act as mineralization mediators of collagen I based biomimetic substrates. Journal of Materials Science: Materials in Medicine, 2010, 21, 407-418.	3.6	7
85	Preparation of superhydrophilic microrough titanium implant surfaces by alkali treatment. Journal of Materials Science: Materials in Medicine, 2010, 21, 2751-2763.	3.6	94
86	Evaluation of the osteogenic potential and vascularization of 3D poly(3)hydroxybutyrate scaffolds subcutaneously implanted in nude rats. Journal of Biomedical Materials Research - Part A, 2010, 92A, 185-195.	4.0	40
87	Longâ€”bone criticalâ€”size defects treated with tissueâ€”engineered polycaprolactoneâ€”co-lactide scaffolds: A pilot study on rats. Journal of Biomedical Materials Research - Part A, 2010, 95A, 964-972.	4.0	26
88	The osteogenic effect of electrosprayed nanoscale collagen/calcium phosphate coatings on titanium. Biomaterials, 2010, 31, 2461-2469.	11.4	106
89	Biological nano-functionalization of titanium-based biomaterial surfaces: a flexible toolbox. Journal of the Royal Society Interface, 2010, 7, S93-S105.	3.4	95
90	Hydrostatic Pressure Stimulation of Human Mesenchymal Stem Cells Seeded on Collagen-Based Artificial Extracellular Matrices. Journal of Biomechanical Engineering, 2010, 132, 021001.	1.3	28

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91	Embroidered and Surface Modified Polycaprolactone-Co-Lactide Scaffolds as Bone Substitute: In Vitro Characterization. <i>Annals of Biomedical Engineering</i> , 2009, 37, 2118-2128.	2.5	50
92	Increased bone formation around coated implants. <i>Journal of Clinical Periodontology</i> , 2009, 36, 698-704.	4.9	47
93	Immobilization of oligonucleotides on titanium based materials by partial incorporation in anodic oxide layers. <i>Biomaterials</i> , 2009, 30, 2774-2781.	11.4	29
94	Modifications of Hyaluronan Influence the Interaction with Human Bone Morphogenetic Protein-4 (hBMP-4). <i>Biomacromolecules</i> , 2009, 10, 3290-3297.	5.4	127
95	Oligonucleotide-RGD Peptide Conjugates for Surface Modification of Titanium Implants and Improvement of Osteoblast Adhesion. <i>Bioconjugate Chemistry</i> , 2009, 20, 710-718.	3.6	44
96	Effect of biological implant surface coatings on bone formation, applying collagen, proteoglycans, glycosaminoglycans and growth factors. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1043-1049.	3.6	67
97	Characterization of collagen II fibrils containing biglycan and their effect as a coating on osteoblast adhesion and proliferation. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1653-1660.	3.6	27
98	Influence of collagen-fibril-based coatings containing decorin and biglycan on osteoblast behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 805-816.	4.0	31
99	Suitability of differently designed matrix-based implant surface coatings: An animal study on bone formation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 516-524.	3.4	21
100	Cathepsin K deficiency partially inhibits, but does not prevent, bone destruction in human tumor necrosis factor-transgenic mice. <i>Arthritis and Rheumatism</i> , 2008, 58, 422-434.	6.7	33
101	Biomechanical comparison of different surface modifications for dental implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2008, 23, 1037-46.	1.4	80
102	Electron Transfer Kinetics at Oxide Films on Metallic Biomaterials. <i>Journal of the Electrochemical Society</i> , 2007, 154, C508.	2.9	37
103	Bio surface-engineering of titanium materials. <i>BIOmaterialien: Offizielles Organ Der Deutschen Gesellschaft Fuer Biomaterialien</i> , 2007, 8, .	0.1	2
104	Morphology of bony tissues and implants uncovered by high-resolution tomographic imaging. <i>International Journal of Materials Research</i> , 2007, 98, 613-621.	0.3	44
105	The effects of metal implants on inflammatory and healing processes. <i>International Journal of Materials Research</i> , 2007, 98, 622-629.	0.3	10
106	Interactions of Collagen Types I and II with Chondroitin Sulfates A-C and Their Effect on Osteoblast Adhesion. <i>Biomacromolecules</i> , 2007, 8, 1085-1092.	5.4	85
107	Influence of extracellular matrix coatings on implant stability and osseointegration: An animal study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 83B, 222-231.	3.4	51
108	In vivo effects of coating loaded and unloaded Ti implants with collagen, chondroitin sulfate, and hydroxyapatite in the sheep tibia. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1052-1061.	2.3	58

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109	The effect of electrochemically simulated titanium cathodic corrosion products on ROS production and metabolic activity of osteoblasts and monocytes/macrophages. <i>Biomaterials</i> , 2007, 28, 3263-3272.	11.4	83
110	The effect of electrochemical functionalization of Ti-alloy surfaces by aptamer-based capture molecules on cell adhesion. <i>Biomaterials</i> , 2007, 28, 468-474.	11.4	52
111	Response of human endothelial cells to oxidative stress on Ti6Al4V alloy. <i>Biomaterials</i> , 2007, 28, 806-813.	11.4	79
112	Fibrillogenesis of Collagen Types I, II, and III with Small Leucine-Rich Proteoglycans Decorin and Biglycan. <i>Biomacromolecules</i> , 2006, 7, 2388-2393.	5.4	150
113	Mimicked Bioartificial Matrix Containing Chondroitin Sulphate on a Textile Scaffold of Poly(3-hydroxybutyrate) Alters the Differentiation of Adult Human Mesenchymal Stem Cells. <i>Tissue Engineering</i> , 2006, 12, 345-359.	4.6	93
114	3D analysis of bone formation around titanium implants using micro computed tomography ( $\mu$ CT)., 2006, , .		4
115	Influence of surface pretreatment of titanium- and cobalt-based biomaterials on covalent immobilization of fibrillar collagen. <i>Biomaterials</i> , 2006, 27, 4059-4068.	11.4	108
116	Coating of titanium implants with collagen, RGD peptide and chondroitin sulfate. <i>Biomaterials</i> , 2006, 27, 5561-5571.	11.4	265
117	Collageneous matrix coatings on titanium implants modified with decorin and chondroitin sulfate: Characterization and influence on osteoblastic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 551-562.	4.0	96
118	Influence of modified extracellular matrices on Ti6AL4V implants on binding and release of VEGF. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 882-894.	4.0	33
119	Biomimetic calcium phosphate composite coating of dental implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2006, 21, 738-46.	1.4	39
120	Osteoconductive modifications of Ti-implants in a goat defect model: characterization of bone growth with SR $\mu$ CT and histology. <i>Biomaterials</i> , 2005, 26, 3009-3019.	11.4	93
121	Effect of immobilized bone morphogenic protein 2 coating of titanium implants on peri-implant bone formation. <i>Clinical Oral Implants Research</i> , 2005, 16, 563-569.	4.5	125
122	Coating of titanium implants with type I collagen. <i>Journal of Orthopaedic Research</i> , 2004, 22, 1025-1034.	2.3	112
123	Mineralization behaviour of collagen type I immobilized on different substrates. <i>Biomaterials</i> , 2004, 25, 2371-2380.	11.4	52
124	Modification of Ti6Al4V surfaces using collagen I, III, and fibronectin. I. Biochemical and morphological characteristics of the adsorbed matrix. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67A, 421-430.	3.1	40
125	Modification of Ti6Al4V surfaces using collagen I, III, and fibronectin. II. Influence on osteoblast responses. <i>Journal of Biomedical Materials Research - Part A</i> , 2003, 67A, 431-438.	4.0	65
126	New aspects in the histological examination of polyethylene wear particles in failed total joint replacements. <i>Acta Histochemica</i> , 2002, 104, 263-269.	1.8	41



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127	Effect of RGD peptide coating of titanium implants on periimplant bone formation in the alveolar crest. <i>Clinical Oral Implants Research</i> , 2002, 13, 312-319.	4.5	148