

Monika Herten

List of Publications by Year in descending order

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57
papers

3,014
citations

218677

26
h-index

161849

54
g-index

59
all docs

59
docs citations

59
times ranked

3096
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of differently cross-linked collagen membranes: an experimental study in the rat. <i>Clinical Oral Implants Research</i> , 2005, 16, 369-378.	4.5	307
2	Comparison of naturally occurring and ligature-induced peri-implantitis bone defects in humans and dogs. <i>Clinical Oral Implants Research</i> , 2007, 18, 161-170.	4.5	180
3	Histological and immunohistochemical analysis of initial and early osseous integration at chemically modified and conventional SLA titanium implants: preliminary results of a pilot study in dogs. <i>Clinical Oral Implants Research</i> , 2007, 18, 481-488.	4.5	178
4	Biocompatibility of various collagen membranes in cultures of human PDL fibroblasts and human osteoblast-like cells. <i>Clinical Oral Implants Research</i> , 2004, 15, 443-449.	4.5	173
5	Effects of Surface Hydrophilicity and Microtopography on Early Stages of Soft and Hard Tissue Integration at Non-Submerged Titanium Implants: An Immunohistochemical Study in Dogs. <i>Journal of Periodontology</i> , 2007, 78, 2171-2184.	3.4	173
6	Bridging the gap: Bone marrow aspiration concentrate reduces autologous bone grafting in osseous defects. <i>Journal of Orthopaedic Research</i> , 2011, 29, 173-180.	2.3	155
7	Influence of different treatment approaches on the removal of early plaque biofilms and the viability of SAOS2 osteoblasts grown on titanium implants. <i>Clinical Oral Investigations</i> , 2005, 9, 111-117.	3.0	143
8	Influence of different treatment approaches on non-submerged and submerged healing of ligature induced peri-implantitis lesions: an experimental study in dogs. <i>Journal of Clinical Periodontology</i> , 2006, 33, 584-595.	4.9	143
9	Angiogenesis pattern of native and cross-linked collagen membranes: an immunohistochemical study in the rat. <i>Clinical Oral Implants Research</i> , 2006, 17, 403-409.	4.5	142
10	Immunohistochemical characterization of guided bone regeneration at a dehiscence-type defect using different barrier membranes: an experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2008, 19, 402-415.	4.5	126
11	Bone regeneration in dehiscence-type defects at chemically modified (SLActive) and conventional SLA titanium implants: a pilot study in dogs. <i>Journal of Clinical Periodontology</i> , 2007, 34, 78-86.	4.9	125
12	Lateral ridge augmentation using particulated or block bone substitutes biocoated with rhGDF-5 and rhBMP-2: an immunohistochemical study in dogs. <i>Clinical Oral Implants Research</i> , 2008, 19, 642-652.	4.5	89
13	Influence of platform switching on crestal bone changes at non-submerged titanium implants: a histomorphometrical study in dogs. <i>Journal of Clinical Periodontology</i> , 2007, 34, 1089-1096.	4.9	78
14	Influence of plaque biofilm removal on reestablishment of the biocompatibility of contaminated titanium surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 437-444.	4.0	75
15	Histological and immunohistochemical analysis of initial and early subepithelial connective tissue attachment at chemically modified and conventional SLA titanium implants. A pilot study in dogs. <i>Clinical Oral Investigations</i> , 2007, 11, 245-255.	3.0	69
16	Bone regeneration in dehiscence-type defects at non-submerged and submerged chemically modified (SLActive) and conventional SLA titanium implants: an immunohistochemical study in dogs. <i>Journal of Clinical Periodontology</i> , 2008, 35, 64-75.	4.9	67
17	Influence of an Erbium, Chromium-Doped Yttrium, Scandium, Gallium, and Garnet (Er,Cr:YSGG) Laser on the Reestablishment of the Biocompatibility of Contaminated Titanium Implant Surfaces. <i>Journal of Periodontology</i> , 2006, 77, 1820-1827.	3.4	62
18	Bone Marrow Aspiration Concentrate and Platelet Rich Plasma for Osteochondral Repair in a Porcine Osteochondral Defect Model. <i>PLoS ONE</i> , 2013, 8, e71602.	2.5	61

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19	Biodegradation of different synthetic hydrogels made of polyethylene glycol hydrogel/RGD peptide modifications: an immunohistochemical study in rats. <i>Clinical Oral Implants Research</i> , 2009, 20, 116-125.	4.5	49
20	Cell therapy in bone healing disorders. <i>Orthopedic Reviews</i> , 2010, 2, e20.	1.3	49
21	Platelet-rich plasma on calcium phosphate granules promotes metaphyseal bone healing in mini-pigs. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1448-1455.	2.3	44
22	Zonal T2* and T1Gd assessment of knee joint cartilage in various histological grades of cartilage degeneration: an observational in vitro study. <i>BMJ Open</i> , 2015, 5, e006895-e006895.	1.9	44
23	Immunohistochemical characterization of periodontal wound healing following nonsurgical treatment with fluorescence controlled Er:YAG laser radiation in dogs. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 428-440.	2.1	43
24	Guided bone regeneration using rhGDF-5 and rhBMP-2 coated natural bone mineral in rat calvarial defects. <i>Clinical Oral Implants Research</i> , 2009, 20, 1219-1230.	4.5	34
25	Validity of gradient-echo three-dimensional delayed gadolinium-enhanced magnetic resonance imaging of hip joint cartilage: A histologically controlled study. <i>European Journal of Radiology</i> , 2013, 82, e81-e86.	2.6	30
26	Rapid in Vitro Quantification of <i>S. aureus</i> Biofilms on Vascular Graft Surfaces. <i>Frontiers in Microbiology</i> , 2017, 8, 2333.	3.5	28
27	Opioids as an alternative to amide-type local anaesthetics for intra-articular application. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2674-2681.	4.2	26
28	The Role of Erythropoietin and Bone Marrow Concentrate in the Treatment of Osteochondral Defects in Mini-Pigs. <i>PLoS ONE</i> , 2014, 9, e92766.	2.5	26
29	The Composite of Bone Marrow Concentrate and PRP as an Alternative to Autologous Bone Grafting. <i>PLoS ONE</i> , 2014, 9, e100143.	2.5	25
30	Critical appraisal of paclitaxel balloon angioplasty for femoral–popliteal arterial disease. <i>Vascular Health and Risk Management</i> , 2016, Volume 12, 341-356.	2.3	22
31	Drug-eluting balloons for femoropopliteal lesions show better performance in de novo stenosis or occlusion than in restenosis. <i>Journal of Vascular Surgery</i> , 2015, 61, 394-399.	1.1	19
32	Vascular Graft Impregnation with Antibiotics: The Influence of High Concentrations of Rifampin, Vancomycin, Daptomycin, and Bacteriophage Endolysin HY-133 on Viability of Vascular Cells. <i>Medical Science Monitor Basic Research</i> , 2017, 23, 250-257.	2.6	18
33	Specifying the molecular pattern of sporadic parathyroid tumorigenesis"The Y282D variant of the GCM2 gene. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 843-848.	5.6	17
34	Therapeutic Treatments for Osteoporosis"Which Combination of Pills Is the Best among the Bad?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1393.	4.1	16
35	Effect of an oily calcium hydroxide suspension (Osteoinductal) on healing of intrabony periodontal defects. A pilot study in dogs. <i>Clinical Oral Investigations</i> , 2006, 10, 29-34.	3.0	14
36	Can thrombin-activated platelet releasate compensate the age-induced decrease in cell proliferation of MSC?. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1786-1795.	2.3	14

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37	Biomimetic Heparan Sulfate-Like Coated ePTFE Grafts Reduce In-graft Neointimal Hyperplasia in Ovine Carotids. <i>Annals of Vascular Surgery</i> , 2017, 40, 274-284.	0.9	14
38	Magnetic resonance imaging and histology of ovine hip joint cartilage in two age populations: a sheep model with assumed healthy cartilage. <i>Skeletal Radiology</i> , 2013, 42, 699-705.	2.0	12
39	Surgical vacuum filter-derived stromal cells are superior in proliferation to human bone marrow aspirate. <i>Stem Cell Research and Therapy</i> , 2019, 10, 338.	5.5	12
40	Synergistic effects of HBO and PRP improve bone regeneration with autologous bone grafting. <i>Injury</i> , 2016, 47, 2718-2725.	1.7	11
41	Intrasurgical Protein Layer on Titanium Arthroplasty Explants: From the Big Twelve to the Implant Proteome. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800168.	1.6	10
42	Biomechanical Stability and Osteogenesis in a Tibial Bone Defect Treated by Autologous Ovine Cord Blood Cells—A Pilot Study. <i>Molecules</i> , 2019, 24, 295.	3.8	8
43	Comparative in vitro activity of bacteriophage endolysin HY-133 against <i>Staphylococcus aureus</i> attached to vascular graft surface. <i>Medical Microbiology and Immunology</i> , 2020, 209, 51-57.	4.8	8
44	Effects of an Er:YAG laser on mitochondrial activity of human osteosarcoma-derived osteoblasts in vitro. <i>Lasers in Medical Science</i> , 2004, 19, 37-40.	2.1	7
45	Osteogenic differentiation and proliferation of bone marrow-derived mesenchymal stromal cells on PDLLA/BMP-coated titanium alloy surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 145-154.		7
46	Ceramic Scaffolds in a Vacuum Suction Handle for Intraoperative Stromal Cell Enrichment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6393.	4.1	7
47	Drug-Eluting vs Standard Balloon Angioplasty for Iliac Stent Restenosis. <i>Journal of Endovascular Therapy</i> , 2015, 22, 314-318.	1.5	6
48	Prostacyclin Suppresses Twist Expression in the Presence of Indomethacin in Bone Marrow-Derived Mesenchymal Stromal Cells. <i>Medical Science Monitor</i> , 2014, 20, 2219-2227.	1.1	6
49	Does Needle Design Affect the Regenerative Potential of Bone Marrow Aspirate? An In Vitro Study. <i>Life</i> , 2021, 11, 748.	2.4	5
50	Geriatric Proximal Femur Fractures During the Covid-19 Pandemic - Fewer Cases, But More Comorbidities. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021, 12, 215145932110096.	1.4	4
51	Comparison of hip joint cartilage degeneration assessed by histology and ex vivo optical coherence tomography. <i>Orthopedic Reviews</i> , 2014, 6, 5342.	1.3	3
52	In vivo comparison of the Ni-free steel X13CrMnMoN18 and titanium alloy implants in rabbit femora — A promising steel for orthopedic surgery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 797-807.	3.4	2
53	The Implant Proteome—The Right Surgical Glue to Fix Titanium Implants In Situ. <i>Journal of Functional Biomaterials</i> , 2022, 13, 44.	4.4	2
54	Effects of different 1-34 parathyroid hormone dosages on fibroblast growth factor-23 secretion in human bone marrow cells following osteogenic differentiation. <i>Orthopedic Reviews</i> , 2014, 6, 5314.	1.3	1

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55	PC218. Correlation Among Six Single Nucleotide Polymorphisms Related to Cell Survival, Inflammation and Lipoprotein Regulation for Abdominal Aortic Aneurysm Risk Factor. <i>Journal of Vascular Surgery</i> , 2018, 67, e232-e233.	1.1	1
56	Dexamethasone Does not Compensate for Local Anesthetic Cytotoxic Effects on Tenocytes: Morphine or Morphine Plus Dexamethasone May Be a Safe Alternative. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 4, e459-e469.	1.7	1
57	VESS24. Drug-Eluting Balloons (DEB) for Femoropopliteal Lesions: Better Performance in De Novo Stenosis or Occlusion Versus Restenosis. <i>Journal of Vascular Surgery</i> , 2014, 59, 14S-15S.	1.1	0