Monika Herten

List of Publications by Year
in descending order

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	Therapeutic Treatments for Osteoporosisâ€"Which Combination of Pills Is the Best among the Bad?. International Journal of Molecular Sciences, 2022, 23, 1393.	4.1	16
2	The Implant Proteomeâ€"The Right Surgical Glue to Fix Titanium Implants In Situ. Journal of Functional Biomaterials, 2022, 13, 44.	4.4	2
3	Inâ€vivo comparison of the Niâ€free steel X13CrMnMoN18 â€"14â€3 and titanium alloy implants in rabbit femora â€" A promising steel for orthopedic surgery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 797-807.	3.4	2
4	Geriatric Proximal Femur Fractures During the Covid-19 Pandemic - Fewer Cases, But More Comorbidities. Geriatric Orthopaedic Surgery and Rehabilitation, 2021, 12, 215145932110096.	1.4	4
5	Does Needle Design Affect the Regenerative Potential of Bone Marrow Aspirate? An In Vitro Study. Life, 2021, 11, 748.	2.4	5
6	Dexamethasone Does not Compensate for Local Anesthetic Cytotoxic Effects on Tenocytes: Morphine or Morphine Plus Dexamethasone May Be a SafeÂAlternative. Arthroscopy, Sports Medicine, and Rehabilitation, 2021, 4, e459-e469.	1.7	1
7	Comparative in vitro activity of bacteriophage endolysin HY-133 against Staphylococcus aureus attached to vascular graft surface. Medical Microbiology and Immunology, 2020, 209, 51-57.	4.8	8
8	Ceramic Scaffolds in a Vacuum Suction Handle for Intraoperative Stromal Cell Enrichment. International Journal of Molecular Sciences, 2020, 21, 6393.	4.1	7
9	Biomechanical Stability and Osteogenesis in a Tibial Bone Defect Treated by Autologous Ovine Cord Blood Cellsâ€"A Pilot Study. Molecules, 2019, 24, 295.	3.8	8
10	Intrasurgical Protein Layer on Titanium Arthroplasty Explants: From the Big Twelve to the Implant Proteome. Proteomics - Clinical Applications, 2019, 13, 1800168.	1.6	10
11	Surgical vacuum filter-derived stromal cells are superior in proliferation to human bone marrow aspirate. Stem Cell Research and Therapy, 2019, 10, 338.	5.5	12
12	PC218. Correlation Among Six Single Nucleotide Polymorphisms Related to Cell Survival, Inflammation and Lipoprotein Regulation for Abdominal Aortic Aneurysm Risk Factor. Journal of Vascular Surgery, 2018, 67, e232-e233.	1.1	1
13	Biomimetic Heparan Sulfate-Like Coated ePTFE Grafts Reduce In-graft Neointimal Hyperplasia in Ovine Carotids. Annals of Vascular Surgery, 2017, 40, 274-284.	0.9	14
14	Specifying the molecular pattern of sporadic parathyroid tumorigenesisâ€"The Y282D variant of the GCM2 gene. Biomedicine and Pharmacotherapy, 2017, 92, 843-848.	5.6	17
15	Rapid in Vitro Quantification of S. aureus Biofilms on Vascular Graft Surfaces. Frontiers in Microbiology, 2017, 8, 2333.	3.5	28
16	Vascular Graft Impregnation with Antibiotics: The Influence of High Concentrations of Rifampin, Vancomycin, Daptomycin, and Bacteriophage Endolysin HY-133 on Viability of Vascular Cells. Medical Science Monitor Basic Research, 2017, 23, 250-257.	2.6	18
17	Critical appraisal of paclitaxel balloon angioplasty for femoral–popliteal arterial disease. Vascular Health and Risk Management, 2016, Volume 12, 341-356.	2.3	22
18	Synergistic effects of HBO and PRP improve bone regeneration with autologous bone grafting. Injury, 2016, 47, 2718-2725.	1.7	11

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19	Osteogenic differentiation and proliferation of bone marrowâ€derived mesenchymal stromal cells on <scp>PDLLA</scp>â€‰+â€‰<scp>BMP</scp>â€2â€coated titanium alloy surfaces. Journal of Biomedical Materials Research - Part A, 2016, 104, 145-154.	3.0	7
20	Zonal T2* and T1Gd assessment of knee joint cartilage in various histological grades of cartilage degeneration: an observational in vitro study. BMJ Open, 2015, 5, e006895-e006895.	1.9	44
21	Drug-Eluting vs Standard Balloon Angioplasty for Iliac Stent Restenosis. Journal of Endovascular Therapy, 2015, 22, 314-318.	1.5	6
22	Drug-eluting balloons for femoropopliteal lesions show better performance in de novo stenosis or occlusion than in restenosis. Journal of Vascular Surgery, 2015, 61, 394-399.	1.1	19
23	Opioids as an alternative to amide-type local anaesthetics for intra-articular application. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2674-2681.	4.2	26
24	The Composite of Bone Marrow Concentrate and PRP as an Alternative to Autologous Bone Grafting. PLoS ONE, 2014, 9, e100143.	2.5	25
25	Effects of different 1-34 parathyroid hormone dosages on fibroblast growth factor-23 secretion in human bone marrow cells following osteogenic differentiation. Orthopedic Reviews, 2014, 6, 5314.	1.3	1
26	VESS24. Drug-Eluting Balloons (DEB) for Femoropopliteal Lesions: Better Performance in De Novo Stenosis or Occlusion Versus Restenosis. Journal of Vascular Surgery, 2014, 59, 14S-15S.	1.1	0
27	Comparison of hip joint cartilage degeneration assessed by histology and ex vivo optical coherence tomography. Orthopedic Reviews, 2014, 6, 5342.	1.3	3
28	Prostacyclin Suppresses Twist Expression in the Presence of Indomethacin in Bone Marrow-Derived Mesenchymal Stromal Cells. Medical Science Monitor, 2014, 20, 2219-2227.	1.1	6
29	The Role of Erythropoietin and Bone Marrow Concentrate in the Treatment of Osteochondral Defects in Mini-Pigs. PLoS ONE, 2014, 9, e92766.	2.5	26
30	Magnetic resonance imaging and histology of ovine hip joint cartilage in two age populations: a sheep model with assumed healthy cartilage. Skeletal Radiology, 2013, 42, 699-705.	2.0	12
31	Can thrombinâ€activated platelet releasate compensate the ageâ€induced decrease in cell proliferation of MSC?. Journal of Orthopaedic Research, 2013, 31, 1786-1795.	2.3	14
32	Validity of gradient-echo three-dimensional delayed gadolinium-enhanced magnetic resonance imaging of hip joint cartilage: A histologically controlled study. European Journal of Radiology, 2013, 82, e81-e86.	2.6	30
33	Bone Marrow Aspiration Concentrate and Platelet Rich Plasma for Osteochondral Repair in a Porcine Osteochondral Defect Model. PLoS ONE, 2013, 8, e71602.	2.5	61
34	Bridging the gap: Bone marrow aspiration concentrate reduces autologous bone grafting in osseous defects. Journal of Orthopaedic Research, 2011, 29, 173-180.	2.3	155
35	Plateletâ€rich plasma on calcium phosphate granules promotes metaphyseal bone healing in miniâ€pigs. Journal of Orthopaedic Research, 2010, 28, 1448-1455.	2.3	44
36	Cell therapy in bone healing disorders. Orthopedic Reviews, 2010, 2, e20.	1.3	49

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37	Biodegradation of different synthetic hydrogels made of polyethylene glycol hydrogel/RGDâ€peptide modifications: an immunohistochemical study in rats. Clinical Oral Implants Research, 2009, 20, 116-125.	4.5	49
38	Guided bone regeneration using rhGDFâ€5â€and rhBMPâ€2â€coated natural bone mineral in rat calvarial defects. Clinical Oral Implants Research, 2009, 20, 1219-1230.	4.5	34
39	Bone regeneration in dehiscenceâ€type defects at nonâ€submerged and submerged chemically modified (SLActive^{Â®}) and conventional SLA titanium implants: an immunohistochemical study in dogs. Journal of Clinical Periodontology, 2008, 35, 64-75.	4.9	67
40	Immunohistochemical characterization of guided bone regeneration at a dehiscenceâ€type defect using different barrier membranes: an experimental study in dogs. Clinical Oral Implants Research, 2008, 19, 402-415.	4.5	126
41	Lateral ridge augmentation using particulated or block bone substitutes biocoated with rhGDF-5 and rhBMP-2: an immunohistochemical study in dogs. Clinical Oral Implants Research, 2008, 19, 642-652.	4.5	89
42	Effects of Surface Hydrophilicity and Microtopography on Early Stages of Soft and Hard Tissue Integration at Nonâ€Submerged Titanium Implants: An Immunohistochemical Study in Dogs. Journal of Periodontology, 2007, 78, 2171-2184.	3.4	173
43	Immunohistochemical characterization of periodontal wound healing following nonsurgical treatment with fluorescence controlled Er:YAG laser radiation in dogs. Lasers in Surgery and Medicine, 2007, 39, 428-440.	2.1	43
44	Comparison of naturally occurring and ligature-induced peri-implantitis bone defects in humans and dogs. Clinical Oral Implants Research, 2007, 18, 161-170.	4.5	180
45	Histological and immunohistochemical analysis of initial and early osseous integration at chemically modified and conventional SLAï¿½titanium implants: preliminary results of a pilot study in dogs. Clinical Oral Implants Research, 2007, 18, 481-488.	4.5	178
46	Bone regeneration in dehiscence-type defects at chemically modified (SLActiveï¿½) and conventional SLA titanium implants: a pilot study in dogs. Journal of Clinical Periodontology, 2007, 34, 78-86.	4.9	125
47	Influence of platform switching on crestal bone changes at non-submerged titanium implants: a histomorphometrical study in dogs. Journal of Clinical Periodontology, 2007, 34, 1089-1096.	4.9	78
48	Histological and immunohistochemical analysis of initial and early subepithelial connective tissue attachment at chemically modified and conventional SLAÂ®titanium implants. A pilot study in dogs. Clinical Oral Investigations, 2007, 11, 245-255.	3.0	69
49	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. Journal of Periodontology, 2006, 77, 1820-1827.	3.4	62
50	Angiogenesis pattern of native and crossâ€linked collagen membranes: an immunohistochemical study in the rat. Clinical Oral Implants Research, 2006, 17, 403-409.	4.5	142
51	Influence of different treatment approaches on non-submerged and submerged healing of ligature induced peri-implantitis lesions: an experimental study in dogs. Journal of Clinical Periodontology, 2006, 33, 584-595.	4.9	143
52	Effect of an oily calcium hydroxide suspension (Osteoinductal) on healing of intrabony periodontal defects. A pilot study in dogs. Clinical Oral Investigations, 2006, 10, 29-34.	3.0	14
53	Influence of plaque biofilm removal on reestablishment of the biocompatibility of contaminated titanium surfaces. Journal of Biomedical Materials Research - Part A, 2006, 77A, 437-444.	4.0	75
54	Biodegradation of differently crossâ€linked collagen membranes: an experimental study in the rat. Clinical Oral Implants Research, 2005, 16, 369-378.	4.5	307

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55	Influence of different treatment approaches on the removal of early plaque biofilms and the viability of SAOS2 osteoblasts grown on titanium implants. Clinical Oral Investigations, 2005, 9, 111-117.	3.0	143
56	Biocompatibility of various collagen membranes in cultures of human PDL fibroblasts and human osteoblastâ€like cells. Clinical Oral Implants Research, 2004, 15, 443-449.	4.5	173
57	Effects of an Er:YAG laser on mitochondrial activity of human osteosarcoma?derived osteoblasts in vitro. Lasers in Medical Science, 2004, 19, 37-40.	2.1	7