Wiltrud Richter

List of Publications by Year
in descending order

131 papers	9,124 citations	38742 50 h-index	42399 92 g-index
134 all docs	134 docs citations	134 times ranked	9564 citing authors

#	Article	IF	Citations
1	Premature induction of hypertrophy during in vitro chondrogenesis of human mesenchymal stem cells correlates with calcification and vascular invasion after ectopic transplantation in SCID mice. Arthritis and Rheumatism, 2006, 54, 3254-3266.	6.7	734
2	Cartilageâ€like gene expression in differentiated human stem cell spheroids: A comparison of bone marrowâ€"derived and adipose tissueâ€"derived stromal cells. Arthritis and Rheumatism, 2003, 48, 418-429.	6.7	421
3	Reduced chondrogenic potential of adipose tissue derived stromal cells correlates with an altered TGFÎ² receptor and BMP profile and is overcome by BMP-6. Journal of Cellular Physiology, 2007, 211, 682-691.	4.1	320
4	Porosity and pore size of Î²-tricalcium phosphate scaffold can influence protein production and osteogenic differentiation of human mesenchymal stem cells: An in vitro and in vivo study. Acta Biomaterialia, 2008, 4, 1904-1915.	8.3	291
5	Comparison of mesenchymal stem cells from bone marrow and adipose tissue for bone regeneration in a critical size defect of the sheep tibia and the influence of platelet-rich plasma. Biomaterials, 2010, 31, 3572-3579.	11.4	278
6	Vascular Endothelial Growth Factor Gene-Activated Matrix (VEGF165-GAM) Enhances Osteogenesis and Angiogenesis in Large Segmental Bone Defects. Journal of Bone and Mineral Research, 2005, 20, 2028-2035.	2.8	264
7	The use of mesenchymal stem cells for chondrogenesis. Injury, 2008, 39, 58-65.	1.7	243
8	Induction of Intervertebral Discâ€"Like Cells From Adult Mesenchymal Stem Cells. Stem Cells, 2005, 23, 403-411.	3.2	237
9	Human articular chondrocytes secrete parathyroid hormoneâ€"related protein and inhibit hypertrophy of mesenchymal stem cells in coculture during chondrogenesis. Arthritis and Rheumatism, 2010, 62, 2696-2706.	6.7	229
10	Inhibition of ?-aminobutyric acid synthesis by glutamic acid decarboxylase autoantibodies in stiff-man syndrome. Annals of Neurology, 1998, 44, 194-201.	5.3	224
11	Autologous Chondrocyte Implantation Using the Original Periosteum-Cover Technique versus Matrix-Associated Autologous Chondrocyte Implantation. American Journal of Sports Medicine, 2010, 38, 924-933.	4.2	219
12	Calcification or dedifferentiation: Requirement to lock mesenchymal stem cells in a desired differentiation stage. Journal of Cellular Physiology, 2009, 219, 219-226.	4.1	176
13	Platelet-rich plasma improves expansion of human mesenchymal stem cells and retains differentiation capacity and<i>in vivo</i>bone formation in calcium phosphate ceramics. Platelets, 2006, 17, 462-469.	2.3	171
14	New In Vivo Animal Model to Create Intervertebral Disc Degeneration and to Investigate the Effects of Therapeutic Strategies to Stimulate Disc Regeneration. Spine, 2002, 27, 2684-2690.	2.0	168
15	Regulation of H19 and its encoded microRNA-675 in osteoarthritis and under anabolic and catabolic in vitro conditions. Journal of Molecular Medicine, 2012, 90, 1185-1195.	3.9	156
16	Ectopic bone formation associated with mesenchymal stem cells in a resorbable calcium deficient hydroxyapatite carrier. Biomaterials, 2005, 26, 5879-5889.	11.4	155
17	Osteoarthritis: Cellular and molecular changes in degenerating cartilage. Progress in Histochemistry and Cytochemistry, 2006, 40, 135-163.	5.1	141
18	Chondrogenesis of mesenchymal stem cells: role of tissue source and inducing factors. Stem Cell Research and Therapy, 2010, 1, 31.	5.5	129

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19	Telomere length and telomerase activity during expansion and differentiation of human mesenchymal stem cells and chondrocytes. Journal of Molecular Medicine, 2004, 82, 49-55.	3.9	120
20	An in vivo study of a growth-factor enhanced, cell free, two-layered collagenâ€"tricalcium phosphate in deep osteochondral defects. Biomaterials, 2006, 27, 3387-3395.	11.4	115
21	Mesenchymal Stem Cell Differentiation in an Experimental Cartilage Defect: Restriction of Hypertrophy to Bone-Close Neocartilage. Stem Cells and Development, 2009, 18, 969-978.	2.1	101
22	High-resolution autoreactive epitope mapping and structural modeling of the 65 kDa form of human glutamic acid decarboxylase. Journal of Molecular Biology, 1999, 287, 983-999.	4.2	100
23	Molecular analysis of expansion, differentiation, and growth factor treatment of human chondrocytes identifies differentiation markers and growth-related genes. Biochemical and Biophysical Research Communications, 2002, 293, 284-292.	2.1	100
24	Proliferation as a Requirement for In Vitro Chondrogenesis of Human Mesenchymal Stem Cells. Stem Cells and Development, 2012, 21, 2160-2169.	2.1	99
25	A Growth and Differentiation Factor-5 (GDF-5)-coated Suture Stimulates Tendon Healing in an Achilles Tendon Model in Rats. Growth Factors, 2001, 19, 115-126.	1.7	98
26	Correlation of COL10A1 induction during chondrogenesis of mesenchymal stem cells with demethylation of two CpG sites in the COL10A1 promoter. Arthritis and Rheumatism, 2008, 58, 2743-2753.	6.7	98
27	The Short Stature Homeodomain Protein SHOX Induces Cellular Growth Arrest and Apoptosis and Is Expressed in Human Growth Plate Chondrocytes. Journal of Biological Chemistry, 2004, 279, 37103-37114.	3.4	94
28	Reduced Reactivation from Dormancy but Maintained Lineage Choice of Human Mesenchymal Stem Cells with Donor Age. PLoS ONE, 2011, 6, e22980.	2.5	92
29	Adenovirus-Mediated Gene Transfer of Growth and Differentiation Factor-5 into Tenocytes and the Healing Rat Achilles Tendon. Connective Tissue Research, 2005, 46, 175-183.	2.3	91
30	Mesenchymal stroma cells trigger early attraction of M1 macrophages and endothelial cells into fibrin hydrogels, stimulating long bone healing without long-term engraftment. Acta Biomaterialia, 2014, 10, 4730-4741.	8.3	85
31	Early and stable upregulation of collagen type II, collagen type I and YKL40 expression levels in cartilage during early experimental osteoarthritis occurs independent of joint location and histological grading. Arthritis Research, 2005, 7, R156.	2.0	83
32	Influence of Platelet-Rich Plasma on Osteogenic Differentiation of Mesenchymal Stem Cells and Ectopic Bone Formation in Calcium Phosphate Ceramics. Cells Tissues Organs, 2006, 183, 68-79.	2.3	83
33	Matrix-assisted cell transfer for intervertebral disc cell therapy. Biochemical and Biophysical Research Communications, 2005, 331, 1185-1192.	2.1	79
34	Different culture media affect growth characteristics, surface marker distribution and chondrogenic differentiation of human bone marrow-derived mesenchymal stromal cells. BMC Musculoskeletal Disorders, 2013, 14, 223.	1.9	73
35	Enhanced Early Tissue Regeneration after Matrix-Assisted Autologous Mesenchymal Stem Cell Transplantation in Full Thickness Chondral Defects in a Minipig Model. Cell Transplantation, 2009, 18, 923-932.	2.5	72
36	Chondrogenic pre-induction of human mesenchymal stem cells on Î²-TCP: Enhanced bone quality by endochondral heterotopic bone formation. Acta Biomaterialia, 2010, 6, 3292-3301.	8.3	72

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37	Differential expression of TGF-Î² superfamily members and role of Smad1/5/9-signalling in chondral versus endochondral chondrocyte differentiation. Scientific Reports, 2016, 6, 36655.	3.3	72
38	Enhanced expression of the human chitinase 3-like 2 gene (YKL-39) but not chitinase 3-like 1 gene (YKL-40) in osteoarthritic cartilage. Biochemical and Biophysical Research Communications, 2002, 299, 109-115.	2.1	70
39	Chondrogenesis of mesenchymal stem cells in gel-like biomaterials in vitro and in vivo. Frontiers in Bioscience - Landmark, 2008, Volume, 4517.	3.0	69
40	Impact of c-MYC expression on proliferation, differentiation, and risk of neoplastic transformation of human mesenchymal stromal cells. Stem Cell Research and Therapy, 2019, 10, 73.	5.5	69
41	Application of VEGFA and FGF-9 Enhances Angiogenesis, Osteogenesis and Bone Remodeling in Type 2 Diabetic Long Bone Regeneration. PLoS ONE, 2015, 10, e0118823.	2.5	69
42	Regulation of WNT5A and WNT11 during MSC in vitro chondrogenesis: WNT inhibition lowers BMP and hedgehog activity, and reduces hypertrophy. Cellular and Molecular Life Sciences, 2019, 76, 3875-3889.	5.4	67
43	Release of active and depot GDF-5 after adenovirus-mediated overexpression stimulates rabbit and human intervertebral disc cells. Journal of Molecular Medicine, 2004, 82, 126-134.	3.9	62
44	Chondrocyte secreted CRTAC1: A glycosylated extracellular matrix molecule of human articular cartilage. Matrix Biology, 2007, 26, 30-41.	3.6	62
45	Replicative aging of human articular chondrocytes during ex vivo expansion. Arthritis and Rheumatism, 2002, 46, 2911-2916.	6.7	57
46	Disc Distraction Shows Evidence of Regenerative Potential in Degenerated Intervertebral Discs as Evaluated by Protein Expression, Magnetic Resonance Imaging, and Messenger Ribonucleic Acid Expression Analysis. Spine, 2006, 31, 1658-1665.	2.0	57
47	Stage-Specific miRs in Chondrocyte Maturation: Differentiation-Dependent and Hypertrophy-Related miR Clusters and the miR-181 Family. Tissue Engineering - Part A, 2015, 21, 2840-2851.	3.1	57
48	Chondrogenesis of Human Mesenchymal Stem Cells by Local Transforming Growth Factor-Beta Delivery in a Biphasic Resorbable Carrier. Tissue Engineering - Part A, 2010, 16, 453-464.	3.1	56
49	Rapid regulation of collagen but not metalloproteinase 1, 3, 13, 14 and tissue inhibitor of metalloproteinase 1, 2, 3 expression in response to mechanical loading of cartilage explants in vitro. Archives of Biochemistry and Biophysics, 2003, 410, 39-47.	3.0	54
50	Fibrinogen scaffolds with immunomodulatory properties promote inÂvivo bone regeneration. Biomaterials, 2016, 111, 163-178.	11.4	54
51	Adipose-derived stromal cells for osteoarticular repair: trophic function versus stem cell activity. Expert Reviews in Molecular Medicine, 2014, 16, e9.	3.9	52
52	The course of high-sensitive C-reactive protein in correlation with pain and clinical function in patients with acute lumbosciatic pain and chronic low back pain-A 6 months prospective longitudinal study. European Journal of Pain, 2006, 10, 711-711.	2.8	51
53	Intermittent PTHrP(1â€“34) Exposure Augments Chondrogenesis and Reduces Hypertrophy of Mesenchymal Stromal Cells. Stem Cells and Development, 2014, 23, 2513-2523.	2.1	51
54	Stimulation of Gene Expression and Loss of Anular Architecture Caused by Experimental Disc Degenerationâ€“An In Vivo Animal Study. Spine, 2005, 30, 2510-2515.	2.0	49

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55	A New Porcine In Vivo Animal Model of Disc Degeneration. Spine, 2009, 34, 2730-2739.	2.0	49
56	Methods to monitor distribution and metabolic activity of mesenchymal stem cells following in vivo injection into nucleotomized porcine intervertebral discs. European Spine Journal, 2010, 19, 601-612.	2.2	49
57	Enhanced reconstruction of long bone architecture by a growth factor mutant combining positive features of GDF-5 and BMP-2. Biomaterials, 2013, 34, 5926-5936.	11.4	49
58	Cell-based cartilage repair: illusion or solution for osteoarthritis. Current Opinion in Rheumatology, 2007, 19, 451-456.	4.3	48
59	Discrimination between cells of murine and human origin in xenotransplants by species specific genomic in situ hybridization. Xenotransplantation, 2010, 17, 153-159.	2.8	48
60	Sensitivity of notochordal disc cells to mechanical loading: an experimental animal study. European Spine Journal, 2010, 19, 113-121.	2.2	47
61	Stiff-person syndromes. Neurology, 2004, 62, 1357-1362.	1.1	46
62	Correlation of hypoxic signalling to histological grade and outcome in cartilage tumours. Histopathology, 2010, 56, 641-651.	2.9	46
63	Inferior ectopic bone formation of mesenchymal stromal cells from adipose tissue compared to bone marrow: Rescue by chondrogenic pre-induction. Stem Cell Research, 2013, 11, 1393-1406.	0.7	46
64	Chondral Differentiation of Induced Pluripotent Stem Cells Without Progression Into the Endochondral Pathway. Frontiers in Cell and Developmental Biology, 2019, 7, 270.	3.7	46
65	Occurrence and Regional Distribution of Apoptosis in Scoliotic Discs. Spine, 2005, 30, 519-524.	2.0	45
66	Differential Regulation of SOX9 Protein During Chondrogenesis of Induced Pluripotent Stem Cells Versus Mesenchymal Stromal Cells: A Shortcoming for Cartilage Formation. Stem Cells and Development, 2016, 25, 598-609.	2.1	44
67	Secretion of matrix metalloproteinase 3 by expanded articular chondrocytes as a predictor of ectopic cartilage formation capacity in vivo. Arthritis and Rheumatism, 2008, 58, 467-474.	6.7	42
68	Changes in gene expression and protein distribution at different stages of mechanically induced disc degenerationâ€"an in vivo study on the New Zealand white rabbit. Journal of Orthopaedic Research, 2006, 24, 385-392.	2.3	40
69	Chondrocyte expressed protein-68 (CEP-68), a novel human marker gene for cultured chondrocytes. Biochemical Journal, 2001, 353, 169-174.	3.7	39
70	BMP and TGFbeta pathways in human central chondrosarcoma: enhanced endoglin and Smad 1 signaling in high grade tumors. BMC Cancer, 2012, 12, 488.	2.6	38
71	Extracellular matrix content and WNT/Î²-catenin levels of cartilage determine the chondrocyte response to compressive load. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 851-859.	3.8	37
72	Immunoglobulin variable gene analysis of human autoantibodies reveals antigen-driven immune response to glutamate decarboxylase in type 1 diabetes mellitus. European Journal of Immunology, 1995, 25, 1703-1712.	2.9	35

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73	Accelerated intervertebral disc degeneration in scoliosis versus physiological ageing develops against a background of enhanced anabolic gene expression. Biochemical and Biophysical Research Communications, 2006, 342, 963-972.	2.1	35
74	Mesenchymal stromal cell implantation for stimulation of long bone healing aggravates Staphylococcus aureus induced osteomyelitis. Acta Biomaterialia, 2015, 21, 165-177.	8.3	34
75	Enhanced ITM2A expression inhibits chondrogenic differentiation of mesenchymal stem cells. Differentiation, 2009, 78, 108-115.	1.9	33
76	Bone Morphogenetic Protein-2 and Growth and Differentiation Factor-5 Enhance the Healing of Necrotic Bone in a Sheep Model. Growth Factors, 2001, 19, 247-257.	1.7	32
77	Matrix Metalloprotease Inhibitors Suppress Initiation and Progression of Chondrogenic Differentiation of Mesenchymal Stromal Cells In Vitro. Stem Cells and Development, 2009, 18, 881-892.	2.1	32
78	Influence of depression symptoms on serum tumour necrosis factor-alpha of patients with chronic low back pain. Arthritis Research and Therapy, 2010, 12, R186.	3.5	32
79	Enhanced Biochemical and Biomechanical Properties of Scaffolds Generated by Flock Technology for Cartilage Tissue Engineering. Tissue Engineering - Part A, 2010, 16, 3697-3707.	3.1	31
80	Engineering hydrophobin DewA to generate surfaces that enhance adhesion of human but not bacterial cells. Acta Biomaterialia, 2012, 8, 1037-1047.	8.3	31
81	Peptide-functionalized starPEG/heparin hydrogels direct mitogenicity, cell morphology and cartilage matrix distribution in vitro and in vivo. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 229-239.	2.7	31
82	Increased bone formation in a rabbit long-bone defect model after single local and single systemic application of erythropoietin. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 87, 425-431.	3.3	29
83	BMP activation and Wnt-signalling affect biochemistry and functional biomechanical properties of cartilage tissue engineering constructs. Osteoarthritis and Cartilage, 2014, 22, 284-292.	1.3	27
84	Chondrocyte expressed protein-68 (CEP-68), a novel human marker gene for cultured chondrocytes. Biochemical Journal, 2001, 353, 169.	3.7	26
85	Short-term follow-up of disc cell therapy in a porcine nucleotomy model with an albuminâ€“hyaluronan hydrogel: in vivo and in vitro results of metabolic disc cell activity and implant distribution. European Spine Journal, 2014, 23, 1837-1847.	2.2	26
86	The Radiation Resistance of Human Multipotent Mesenchymal Stromal Cells Is Independent of Their Tissue of Origin. International Journal of Radiation Oncology Biology Physics, 2018, 100, 1259-1269.	0.8	26
87	Role of PTHrP(1â€34) Pulse Frequency Versus Pulse Duration to Enhance Mesenchymal Stromal Cell Chondrogenesis. Journal of Cellular Physiology, 2016, 231, 2673-2681.	4.1	25
88	Tissue distribution of a human Cav1.2 Î±1 subunit splice variant with a 75bp insertionâ˜†. Cell Calcium, 2005, 38, 11-21.	2.4	24
89	Interplay Between Local Versus Soluble Transforming Growth Factor-Beta and Fibrin Scaffolds: Role of Cells and Impact on Human Mesenchymal Stem Cell Chondrogenesis. Tissue Engineering - Part A, 2012, 18, 1140-1150.	3.1	24
90	The effect of two point mutations in GDF-5 on ectopic bone formation in a Î²-tricalciumphosphate scaffold. Biomaterials, 2010, 31, 3878-3884.	11.4	23

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91	Age-related OAâ€"a concept emerging from infancy?. Nature Reviews Rheumatology, 2012, 8, 70-72.	8.0	22
92	Xenogeneic transplantation of articular chondrocytes into full-thickness articular cartilage defects in minipigs: fate of cells and the role of macrophages. Cell and Tissue Research, 2014, 358, 749-761.	2.9	22
93	Stiff-man syndrome: identification of 17Î²-hydroxysteroid dehydrogenase type 4 as a novel 80-kDa antineuronal antigen. Journal of Neuroimmunology, 2002, 130, 184-193.	2.3	21
94	Local application of a collagen type I/hyaluronate matrix and growth and differentiation factor 5 influences the closure of osteochondral defects in a minipig model by enchondral ossification. Growth Factors, 2006, 24, 225-232.	1.7	20
95	StarPEG/heparin-hydrogel based <i>in vivo</i> engineering of stable bizonal cartilage with a calcified bottom layer. Biofabrication, 2019, 11, 015001.	7.1	20
96	Detection of Apoptotic Cartilage Cells in Symptomatic Central Tears of the Triangular Fibrocartilage. Journal of Hand Surgery, 2007, 32, 618-622.	1.6	19
97	The collagen component of biological bone graft substitutes promotes ectopic bone formation by human mesenchymal stem cells. Acta Biomaterialia, 2013, 9, 7298-7307.	8.3	19
98	Superior Angiogenic Potential of GDF-5 and GDF-5V453/V456 Compared with BMP-2 in a Rabbit Long-Bone Defect Model. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1699-1707.	3.0	19
99	The Role of Extracellular Matrix Expression, ERK1/2 Signaling and Cell Cohesiveness for Cartilage Yield from iPSCs. International Journal of Molecular Sciences, 2019, 20, 4295.	4.1	19
100	Regulating Chondrogenesis of Human Mesenchymal Stromal Cells with a Retinoic Acid Receptor-Beta Inhibitor: Differential Sensitivity of Chondral Versus Osteochondral Development. Cellular Physiology and Biochemistry, 2014, 33, 1607-1619.	1.6	18
101	Global chondrocyte gene expression after a single anabolic loading period: Time evolution and re-inducibility of mechano-responses. Journal of Cellular Physiology, 2018, 233, 699-711.	4.1	18
102	Timeâ€dependent contribution of BMP, FGF, IGF, and HH signaling to the proliferation of mesenchymal stroma cells during chondrogenesis. Journal of Cellular Physiology, 2018, 233, 8962-8970.	4.1	18
103	Stimulation of calvarial bone healing with human bone marrow stromal cells versus inhibition with adipose-tissue stromal cells on nanostructured Î²-TCP-collagen. Acta Biomaterialia, 2018, 76, 135-145.	8.3	18
104	Molecular characterization of spontaneous and growth-factor-augmented chondrogenesis in periosteumâ€"bone tissue transferred into a joint. Histochemistry and Cell Biology, 2005, 123, 447-456.	1.7	17
105	Initial WNT/Î²-Catenin Activation Enhanced Mesoderm Commitment, Extracellular Matrix Expression, Cell Aggregation and Cartilage Tissue Yield From Induced Pluripotent Stem Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 581331.	3.7	17
106	Effects of Local Application of Growth and Differentiation Factor-5 (GDF-5) in a Full-thickness Cartilage Defect Model. Growth Factors, 2004, 22, 35-43.	1.7	16
107	Treatment of Focal Cartilage Defects in Minipigs with Zonal Chondrocyte/Mesenchymal Progenitor Cell Constructs. International Journal of Molecular Sciences, 2019, 20, 653.	4.1	15
108	Significance of MEF2C and RUNX3 Regulation for Endochondral Differentiation of Human Mesenchymal Progenitor Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 81.	3.7	15

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109	Identification of Novel SHOX Target Genes in the Developing Limb Using a Transgenic Mouse Model. PLoS ONE, 2014, 9, e98543.	2.5	14
110	Mapping of an Autoreactive Epitope within Glutamate Decarboxylase Using a Diabetes-Associated Human Monoclonal Autoantibody and an Epitope cDNA Library. Hybridoma, 1996, 15, 103-108.	0.6	13
111	Long-term mechanical loading of chondrocyte-chitosan biocomposites in vitro enhanced their proteoglycan and collagen content. Biorheology, 2006, 43, 709-20.	0.4	13
112	The cellular chromatin is an important target for SV40 large T antigen in maintaining the transformed phenotype. Virology, 1990, 174, 543-556.	2.4	12
113	Evidence for Somatic Mutation and Affinity Maturation of Diabetes Associated Human Autoantibodies to Glutamate Decarboxylase. Journal of Autoimmunity, 1996, 9, 371-377.	6.5	11
114	MiR-218 affects hypertrophic differentiation of human mesenchymal stromal cells during chondrogenesis via targeting RUNX2, MEF2C, and COL10A1. Stem Cell Research and Therapy, 2020, 11, 532.	5.5	11
115	Complete subchondral bone defect regeneration with a tricalcium phosphate collagen implant and osteoinductive growth factors: A randomized controlled study in GÃ¶ttingen minipigs. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 933-942.	3.4	10
116	Stimulation of a calcified cartilage connecting zone by GDFâ€5â€augmented fibrin hydrogel in a novel layered ectopic in vivo model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2214-2224.	3.4	10
117	Osteoarthritis in the Knee Joints of GÃ¶ttingen Minipigs after Resection of the Anterior Cruciate Ligament? Missing Correlation of MRI, Gene and Protein Expression with Histological Scoring. PLoS ONE, 2016, 11, e0165897.	2.5	10
118	Is Total Disk Replacement a Cost-effective Treatment for Cervical Degenerative Disk Disease?. Clinical Spine Surgery, 2017, 30, E530-E534.	1.3	9
119	No effect of subperiosteal growth factor application on periosteal neo-chondrogenesis in osteoperiosteal bone grafts for osteochondral defect repair. International Orthopaedics, 2013, 37, 1171-1178.	1.9	8
120	Fusion Proteins for Combined Analysis of Autoantibodies to the 65-kDa Isoform of Glutamic Acid Decarboxylase and Islet Antigen-2 in Insulin-dependent Diabetes Mellitus. Clinical Chemistry, 2001, 47, 926-934.	3.2	7
121	The Glutamate Decarboxylase and 38KD Autoantigens in Type 1 Diabetes: Aspects of Structure and Epitope Recognition. Autoimmunity, 1993, 15, 24-26.	2.6	5
122	MiR-181a Targets RSPO2 and Regulates Bone Morphogenetic Protein â€" WNT Signaling Crosstalk During Chondrogenic Differentiation of Mesenchymal Stromal Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 747057.	3.7	5
123	NFÎºB inhibition to lift the mechano-competence of mesenchymal stromal cell-derived neocartilage toward articular chondrocyte levels. Stem Cell Research and Therapy, 2022, 13, 168.	5.5	5
124	Report on a large animal study with GÃ¶ttingen Minipigs where regenerates and controls for articular cartilage were created in a large number. Focus on the conditions of the operated stifle joints and suggestions for standardized procedures. PLoS ONE, 2019, 14, e0224996.	2.5	4
125	Heparan Sulfate Deficiency in Cartilage: Enhanced BMP-Sensitivity, Proteoglycan Production and an Anti-Apoptotic Expression Signature after Loading. International Journal of Molecular Sciences, 2021, 22, 3726.	4.1	4
126	Preclinical Testing of New Hydrogel Materials for Cartilage Repair: Overcoming Fixation Issues in a Large Animal Model. International Journal of Biomaterials, 2021, 2021, 1-14.	2.4	4

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127	Sulfation of Glycosaminoglycan Hydrogels Instructs Cell Fate and Chondral versus Endochondral Lineage Decision of Skeletal Stem Cells In Vivo. Advanced Functional Materials, 2022, 32, 2109176.	14.9	4
128	Induced Pluripotent Stem Cells and Cartilage Regeneration. , 2017, , 73-93.		1
129	Neue AnsÃtze fÃ¼r die in situ Regeneration und das Tissue Engineering von Knochen. Deutsche Zeitschrift Fur Sportmedizin, 2012, 2012, 30-35.	0.5	1
130	Immunoglobulin Gene Usage in Diabetesâ€Associated Human Monoclonal Antibodies Recognizing Glutamate Decarboxylase^a. Annals of the New York Academy of Sciences, 1995, 764, 457-460.	3.8	0
131	Molekularbiologische Revolution in der OrthopÃdie. , 2007, , 231-247.		0