Raimund W Kinne

List of Publications by Year
in descending order

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58 papers	2,293 citations	304743 22 h-index	214800 47 g-index
60 all docs	60 docs citations	60 times ranked	3224 citing authors

#	Article	IF	Citations
1	Single Application of Low-Dose, Hydroxyapatite-Bound BMP-2 or GDF-5 Induces Long-Term Bone Formation and Biomechanical Stabilization of a Bone Defect in a Senile Sheep Lumbar Osteopenia Model. Biomedicines, 2022, 10, 513.	3.2	6
2	Thickness of the Stifle Joint Articular Cartilage in Different Large Animal Models of Cartilage Repair and Regeneration. Cartilage, 2021, 13, 438S-452S.	2.7	9
3	The Inverse Spacerâ€"A Novel, Safe, and Cost-Effective Approach in Routine Procedures for Revision Knee Arthroplasty. Journal of Clinical Medicine, 2021, 10, 971.	2.4	4
4	Biopolymer surface modification of PLGA fibers enhances interfacial shear strength and supports immobilization of rhGDF-5 in fiber-reinforced brushite cement. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104285.	3.1	8
5	Temporal and spatial relationship between gluteal muscle Surface EMG activity and the vertical component of the ground reaction force during walking. PLoS ONE, 2021, 16, e0251758.	2.5	2
6	Performance of Calcium Phosphate Cements in the Augmentation of Sheep Vertebraeâ€"An Ex Vivo Study. Materials, 2021, 14, 3873.	2.9	3
7	A Novel Pro-Inflammatory Mechanosensing Pathway Orchestrated by the Disintegrin Metalloproteinase ADAM15 in Synovial Fibroblasts. Cells, 2021, 10, 2705.	4.1	1
8	In Vitro Cartilage Regeneration with a Three-Dimensional Polyglycolic Acid (PGA) Implant in a Bovine Cartilage Punch Model. International Journal of Molecular Sciences, 2021, 22, 11769.	4.1	1
9	Identification of New, Functionally Relevant Mutations in the Coding Regions of the Human Fos and Jun Proto-Oncogenes in Rheumatoid Arthritis Synovial Tissue. Life, 2021, 11, 5.	2.4	14
10	Systematic Postoperative Assessment of a Minimally-Invasive Sheep Model for the Treatment of Osteochondral Defects. Life, 2020, 10, 332.	2.4	1
11	Discrepancy between Jun/Fos Proto-Oncogene mRNA and Protein Expression in the Rheumatoid Arthritis Synovial Membrane. J, 2020, 3, 181-194.	0.9	6
12	The old sheep: a convenient and suitable model for senile osteopenia. Journal of Bone and Mineral Metabolism, 2020, 38, 620-630.	2.7	5
13	ADAM15 in Apoptosis Resistance of Synovial Fibroblasts: Converting Fas/CD95 Death Signals Into the Activation of Prosurvival Pathways by Calmodulin Recruitment. Arthritis and Rheumatology, 2019, 71, 63-72.	5.6	9
14	The poly (l-lactid-co-glycolide; PLGA) fiber component of brushite-forming calcium phosphate cement induces the osteogenic differentiation of human adipose tissue-derived stem cells. Biomedical Materials (Bristol), 2019, 14, 055012.	3.3	9
15	In Vitro Release of Bioactive Bone Morphogenetic Proteins (GDF5, BB-1, and BMP-2) from a PLGA Fiber-Reinforced, Brushite-Forming Calcium Phosphate Cement. Pharmaceutics, 2019, 11, 455.	4.5	13
16	Association of Human FOS Promoter Variants with the Occurrence of Knee-Osteoarthritis in a Case Control Association Study. International Journal of Molecular Sciences, 2019, 20, 1382.	4.1	9
17	In vitro analysis of the potential cartilage implant bacterial nanocellulose using the bovine cartilage punch model. Cellulose, 2019, 26, 631-645.	4.9	8
18	Laser perforation and cell seeding improve bacterial nanocellulose as a potential cartilage implant in the in vitro cartilage punch model. Cellulose, 2019, 26, 647-664.	4.9	15

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19	Systematic differences of gluteal muscle activation during overground and treadmill walking in healthy older adults. Journal of Electromyography and Kinesiology, 2019, 44, 56-63.	1.7	6
20	Comparison of Near-Infrared Spectroscopy with Needle Indentation and Histology for the Determination of Cartilage Thickness in the Large Animal Model Sheep. Cartilage, 2019, 10, 173-185.	2.7	11
21	In Vitro Analysis of Cartilage Regeneration Using a Collagen Type I Hydrogel (CaReS) in the Bovine Cartilage Punch Model. Cartilage, 2019, 10, 346-363.	2.7	13
22	The GDF5 mutant BB-1 enhances the bone formation induced by an injectable, poly(l-lactide-co-glycolide) acid (PLGA) fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. Spine Journal, 2018, 18, 357-369.	1.3	12
23	Low-dose BMP-2 is sufficient to enhance the bone formation induced by an injectable, PLGA fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. Spine Journal, 2017, 17, 1699-1711.	1.3	22
24	Short-time pre-washing of brushite-forming calcium phosphate cement improves its in vitro cytocompatibility. Tissue and Cell, 2017, 49, 697-710.	2.2	8
25	GDF5 significantly augments the bone formation induced by an injectable, PLGA fiber-reinforced, brushite-forming cement in a sheep defect model of lumbar osteopenia. Spine Journal, 2017, 17, 1685-1698.	1.3	12
26	Enhanced bone formation in sheep vertebral bodies after minimally invasive treatment with a novel, PLGA fiber-reinforced brushite cement. Spine Journal, 2017, 17, 709-719.	1.3	28
27	Detailed spatial characterization of superficial hip muscle activation during walking: A multi-electrode surface EMG investigation of the gluteal region in healthy older adults. PLoS ONE, 2017, 12, e0178957.	2.5	8
28	Decreased extrusion of calcium phosphate cement versus high viscosity PMMA cement into spongious bone marrowâ€"an ex vivo and in vivo study in sheep vertebrae. Spine Journal, 2016, 16, 1468-1477.	1.3	19
29	First-time systematic postoperative clinical assessment of a minimally invasive approach for lumbar ventrolateral vertebroplasty in the large animal model sheep. Spine Journal, 2016, 16, 1263-1275.	1.3	16
30	Effects of oxygen plasma treatment on interfacial shear strength and post-peak residual strength of a PLGA fiber-reinforced brushite cement. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 57, 347-358.	3.1	24
31	Laser-structured bacterial nanocellulose hydrogels support ingrowth and differentiation of chondrocytes and show potential as cartilage implants. Acta Biomaterialia, 2014, 10, 1341-1353.	8.3	94
32	Enhanced mechanical properties of a novel, injectable, fiber-reinforced brushite cement. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 39, 328-338.	3.1	47
33	Novel application of multi-stimuli network inference to synovial fibroblasts of rheumatoid arthritis patients. BMC Medical Genomics, 2014, 7, 40.	1.5	6
34	A novel in vitro bovine cartilage punch model for assessing the regeneration of focal cartilage defects with biocompatible bacterial nanocellulose. Arthritis Research and Therapy, 2013, 15, R59.	3.5	32
35	IL-33 regulates TNF-Î± dependent effects in synovial fibroblasts. International Journal of Molecular Medicine, 2012, 29, 530-540.	4.0	60
36	An ovine in vitro model for chondrocyte-based scaffold-assisted cartilage grafts. Journal of Orthopaedic Surgery and Research, 2012, 7, 37.	2.3	13

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37	Cytocompatibility of polymer-based periodontal bone substitutes in gingival fibroblast and MC3T3 osteoblast cell cultures. Dental Materials, 2012, 28, e239-e249.	3.5	15
38	Relative percentage and zonal distribution of mesenchymal progenitor cells in human osteoarthritic and normal cartilage. Arthritis Research and Therapy, 2011, 13, R64.	3.5	111
39	Liposomal encapsulation enhances and prolongs the anti-inflammatory effects of water-soluble dexamethasone phosphate in experimental adjuvant arthritis. Arthritis Research and Therapy, 2010, 12, R147.	3.5	69
40	Prostaglandin E2 Differentially Modulates Proinflammatory/Prodestructive Effects of TNF-Î± on Synovial Fibroblasts via Specific E Prostanoid Receptors/cAMP. Journal of Immunology, 2009, 183, 1328-1336.	0.8	36
41	Adapted Boolean network models for extracellular matrix formation. BMC Systems Biology, 2009, 3, 77.	3.0	15
42	In vitro model for the analysis of synovial fibroblast-mediated degradation of intact cartilage. Arthritis Research and Therapy, 2009, 11, R25.	3.5	50
43	Identification of intra-group, inter-individual, and gene-specific variances in mRNA expression profiles in the rheumatoid arthritis synovial membrane. Arthritis Research and Therapy, 2008, 10, R98.	3.5	81
44	Predominant activation of MAP kinases and pro-destructive/pro-inflammatory features by TNF Â in early-passage synovial fibroblasts via TNF receptor-1: failure of p38 inhibition to suppress matrix metalloproteinase-1 in rheumatoid arthritis. Annals of the Rheumatic Diseases, 2007, 66, 1043-1051.	0.9	34
45	Cells of the synovium in rheumatoid arthritis. Macrophages. Arthritis Research and Therapy, 2007, 9, 224.	3.5	269
46	Constitutive upregulation of the transforming growth factor-Î² pathway in rheumatoid arthritis synovial fibroblasts. Arthritis Research and Therapy, 2007, 9, R59.	3.5	114
47	Expression of cytokine mRNA and protein in joints and lymphoid organs during the course of rat antigen-induced arthritis. Arthritis Research, 2005, 7, R445.	2.0	22
48	Synovial fibroblasts and synovial macrophages from patients with rheumatoid arthritis and other inflammatory joint diseases show chromosomal aberrations. Genes Chromosomes and Cancer, 2003, 38, 53-67.	2.8	18
49	Detection of Oncofetal H19 RNA in Rheumatoid Arthritis Synovial Tissue. American Journal of Pathology, 2003, 163, 901-911.	3.8	102
50	Preferential induction of prodestructive matrix metalloproteinase-1 and proinflammatory interleukin 6 and prostaglandin E2 in rheumatoid arthritis synovial fibroblasts via tumor necrosis factor receptor-55. Journal of Rheumatology, 2003, 30, 1680-90.	2.0	23
51	Differential clinical efficacy of anti-CD4 monoclonal antibodies in rat adjuvant arthritis is paralleled by differential influence on NF-kappaB binding activity and TNF-alpha secretion of T cells. Arthritis Research, 2002, 4, 184.	2.0	19
52	Mosaic chromosomal aberrations in synovial fibroblasts of patients with rheumatoid arthritis, osteoarthritis, and other inflammatory joint diseases. Arthritis Research, 2001, 3, 319.	2.0	41
53	Isolation and characterization of rheumatoid arthritis synovial fibroblasts from primary culture--primary culture cells markedly differ from fourth-passage cells. Arthritis Research, 2001, 3, 72.	2.0	165
54	Mutation Detection in Mosaic Situations: RNA Mismatch Assay and Denaturing Gradient Gel Electrophoresis Are More Sensitive Than Conventional Cycle Sequencing. Analytical Biochemistry, 2001, 294, 89-93.	2.4	6

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55	Identification of known and novel genes in activated monocytes from patients with rheumatoid arthritis. Arthritis and Rheumatism, 2000, 43, 775.	6.7	93
56	Mononuclear phagocytes and rheumatoid synovitis. Mastermind or workhorse in arthritis?. Arthritis and Rheumatism, 1997, 40, 5-18.	6.7	306
57	Apoptotic cell death in activated monocytes following incorporation of clodronate-liposomes. Journal of Leukocyte Biology, 1996, 60, 230-244.	3.3	48
58	Long-term amelioration of rat adjuvant arthritis following systemic elimination of macrophages by clodronate-containing liposomes. Arthritis and Rheumatism, 1995, 38, 1777-1790.	6.7	83