

Raimund W Kinne

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,293
citations

346980

22
h-index

242451

47
g-index

60
all docs

60
docs citations

60
times ranked

3499
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. <i>Biomedicines</i> , 2022, 10, 513.	1.4	6
2	Thickness of the Stifle Joint Articular Cartilage in Different Large Animal Models of Cartilage Repair and Regeneration. <i>Cartilage</i> , 2021, 13, 438S-452S.	1.4	9
3	The Inverse Spacer—A Novel, Safe, and Cost-Effective Approach in Routine Procedures for Revision Knee Arthroplasty. <i>Journal of Clinical Medicine</i> , 2021, 10, 971.	1.0	4
4	Biopolymer surface modification of PLGA fibers enhances interfacial shear strength and supports immobilization of rhGDF-5 in fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104285.	1.5	8
5	Temporal and spatial relationship between gluteal muscle Surface EMG activity and the vertical component of the ground reaction force during walking. <i>PLoS ONE</i> , 2021, 16, e0251758.	1.1	2
6	Performance of Calcium Phosphate Cements in the Augmentation of Sheep Vertebrae—An Ex Vivo Study. <i>Materials</i> , 2021, 14, 3873.	1.3	3
7	A Novel Pro-Inflammatory Mechanosensing Pathway Orchestrated by the Disintegrin Metalloproteinase ADAM15 in Synovial Fibroblasts. <i>Cells</i> , 2021, 10, 2705.	1.8	1
8	In Vitro Cartilage Regeneration with a Three-Dimensional Polyglycolic Acid (PGA) Implant in a Bovine Cartilage Punch Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11769.	1.8	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. <i>Life</i> , 2021, 11, 5.	1.1	14
10	Systematic Postoperative Assessment of a Minimally-Invasive Sheep Model for the Treatment of Osteochondral Defects. <i>Life</i> , 2020, 10, 332.	1.1	1
11	Discrepancy between Jun/Fos Proto-Oncogene mRNA and Protein Expression in the Rheumatoid Arthritis Synovial Membrane. <i>J</i> , 2020, 3, 181-194.	0.6	6
12	The old sheep: a convenient and suitable model for senile osteopenia. <i>Journal of Bone and Mineral Metabolism</i> , 2020, 38, 620-630.	1.3	5
13	ADAM15 in Apoptosis Resistance of Synovial Fibroblasts: Converting Fas/CD95 Death Signals Into the Activation of Prosurvival Pathways by Calmodulin Recruitment. <i>Arthritis and Rheumatology</i> , 2019, 71, 63-72.	2.9	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. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 055012.	1.7	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. <i>Pharmaceutics</i> , 2019, 11, 455.	2.0	13
16	Association of Human FOS Promoter Variants with the Occurrence of Knee-Osteoarthritis in a Case Control Association Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1382.	1.8	9
17	In vitro analysis of the potential cartilage implant bacterial nanocellulose using the bovine cartilage punch model. <i>Cellulose</i> , 2019, 26, 631-645.	2.4	8
18	Laser perforation and cell seeding improve bacterial nanocellulose as a potential cartilage implant in the in vitro cartilage punch model. <i>Cellulose</i> , 2019, 26, 647-664.	2.4	15

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19	Systematic differences of gluteal muscle activation during overground and treadmill walking in healthy older adults. <i>Journal of Electromyography and Kinesiology</i> , 2019, 44, 56-63.	0.7	6
20	Comparison of Near-Infrared Spectroscopy with Needle Indentation and Histology for the Determination of Cartilage Thickness in the Large Animal Model Sheep. <i>Cartilage</i> , 2019, 10, 173-185.	1.4	11
21	In Vitro Analysis of Cartilage Regeneration Using a Collagen Type I Hydrogel (CaReS) in the Bovine Cartilage Punch Model. <i>Cartilage</i> , 2019, 10, 346-363.	1.4	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. <i>Spine Journal</i> , 2018, 18, 357-369.	0.6	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. <i>Spine Journal</i> , 2017, 17, 1699-1711.	0.6	22
24	Short-time pre-washing of brushite-forming calcium phosphate cement improves its in vitro cytocompatibility. <i>Tissue and Cell</i> , 2017, 49, 697-710.	1.0	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. <i>Spine Journal</i> , 2017, 17, 1685-1698.	0.6	12
26	Enhanced bone formation in sheep vertebral bodies after minimally invasive treatment with a novel, PLGA fiber-reinforced brushite cement. <i>Spine Journal</i> , 2017, 17, 709-719.	0.6	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. <i>PLoS ONE</i> , 2017, 12, e0178957.	1.1	8
28	Decreased extrusion of calcium phosphate cement versus high viscosity PMMA cement into spongy bone marrow – an ex vivo and in vivo study in sheep vertebrae. <i>Spine Journal</i> , 2016, 16, 1468-1477.	0.6	19
29	First-time systematic postoperative clinical assessment of a minimally invasive approach for lumbar ventrolateral vertebroplasty in the large animal model sheep. <i>Spine Journal</i> , 2016, 16, 1263-1275.	0.6	16
30	Effects of oxygen plasma treatment on interfacial shear strength and post-peak residual strength of a PLGA fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 57, 347-358.	1.5	24
31	Laser-structured bacterial nanocellulose hydrogels support ingrowth and differentiation of chondrocytes and show potential as cartilage implants. <i>Acta Biomaterialia</i> , 2014, 10, 1341-1353.	4.1	94
32	Enhanced mechanical properties of a novel, injectable, fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 328-338.	1.5	47
33	Novel application of multi-stimuli network inference to synovial fibroblasts of rheumatoid arthritis patients. <i>BMC Medical Genomics</i> , 2014, 7, 40.	0.7	6
34	A novel in vitro bovine cartilage punch model for assessing the regeneration of focal cartilage defects with biocompatible bacterial nanocellulose. <i>Arthritis Research and Therapy</i> , 2013, 15, R59.	1.6	32
35	IL-33 regulates TNF- α dependent effects in synovial fibroblasts. <i>International Journal of Molecular Medicine</i> , 2012, 29, 530-540.	1.8	60
36	An ovine in vitro model for chondrocyte-based scaffold-assisted cartilage grafts. <i>Journal of Orthopaedic Surgery and Research</i> , 2012, 7, 37.	0.9	13

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37	Cytocompatibility of polymer-based periodontal bone substitutes in gingival fibroblast and MC3T3 osteoblast cell cultures. <i>Dental Materials</i> , 2012, 28, e239-e249.	1.6	15
38	Relative percentage and zonal distribution of mesenchymal progenitor cells in human osteoarthritic and normal cartilage. <i>Arthritis Research and Therapy</i> , 2011, 13, R64.	1.6	111
39	Liposomal encapsulation enhances and prolongs the anti-inflammatory effects of water-soluble dexamethasone phosphate in experimental adjuvant arthritis. <i>Arthritis Research and Therapy</i> , 2010, 12, R147.	1.6	69
40	Prostaglandin E2 Differentially Modulates Proinflammatory/Prodestructive Effects of TNF- α on Synovial Fibroblasts via Specific E Prostanoid Receptors/cAMP. <i>Journal of Immunology</i> , 2009, 183, 1328-1336.	0.4	36
41	Adapted Boolean network models for extracellular matrix formation. <i>BMC Systems Biology</i> , 2009, 3, 77.	3.0	15
42	In vitro model for the analysis of synovial fibroblast-mediated degradation of intact cartilage. <i>Arthritis Research and Therapy</i> , 2009, 11, R25.	1.6	50
43	Identification of intra-group, inter-individual, and gene-specific variances in mRNA expression profiles in the rheumatoid arthritis synovial membrane. <i>Arthritis Research and Therapy</i> , 2008, 10, R98.	1.6	81
44	Predominant activation of MAP kinases and pro-destructive/pro-inflammatory features by TNF α in early-passage synovial fibroblasts via TNF receptor-1: failure of p38 inhibition to suppress matrix metalloproteinase-1 in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2007, 66, 1043-1051.	0.5	34
45	Cells of the synovium in rheumatoid arthritis. Macrophages. <i>Arthritis Research and Therapy</i> , 2007, 9, 224.	1.6	269
46	Constitutive upregulation of the transforming growth factor- β 2 pathway in rheumatoid arthritis synovial fibroblasts. <i>Arthritis Research and Therapy</i> , 2007, 9, R59.	1.6	114
47	Expression of cytokine mRNA and protein in joints and lymphoid organs during the course of rat antigen-induced arthritis. <i>Arthritis Research</i> , 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. <i>Genes Chromosomes and Cancer</i> , 2003, 38, 53-67.	1.5	18
49	Detection of Oncofetal H19 RNA in Rheumatoid Arthritis Synovial Tissue. <i>American Journal of Pathology</i> , 2003, 163, 901-911.	1.9	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. <i>Journal of Rheumatology</i> , 2003, 30, 1680-90.	1.0	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. <i>Arthritis Research</i> , 2002, 4, 184.	2.0	19
52	Mosaic chromosomal aberrations in synovial fibroblasts of patients with rheumatoid arthritis, osteoarthritis, and other inflammatory joint diseases. <i>Arthritis Research</i> , 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. <i>Arthritis Research</i> , 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. <i>Analytical Biochemistry</i> , 2001, 294, 89-93.	1.1	6

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55	Identification of known and novel genes in activated monocytes from patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2000, 43, 775.	6.7	93
56	Mononuclear phagocytes and rheumatoid synovitis. Mastermind or workhorse in arthritis?. <i>Arthritis and Rheumatism</i> , 1997, 40, 5-18.	6.7	306
57	Apoptotic cell death in activated monocytes following incorporation of clodronate-liposomes. <i>Journal of Leukocyte Biology</i> , 1996, 60, 230-244.	1.5	48
58	Long-term amelioration of rat adjuvant arthritis following systemic elimination of macrophages by clodronate-containing liposomes. <i>Arthritis and Rheumatism</i> , 1995, 38, 1777-1790.	6.7	83