

Frank M Riemers

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

641
citations

516710

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33
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docs citations

33
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene expression profiling of early intervertebral disc degeneration reveals a down-regulation of canonical Wnt signaling and caveolin-1 expression: implications for development of regenerative strategies. <i>Arthritis Research and Therapy</i> , 2013, 15, R23.	3.5	65
2	A validation of 10 feline reference genes for gene expression measurements in snap-frozen tissues. <i>Veterinary Immunology and Immunopathology</i> , 2007, 120, 212-222.	1.2	62
3	Lesional skin in atopic dogs shows a mixed Type-1 and Type-2 immune responsiveness. <i>Veterinary Immunology and Immunopathology</i> , 2011, 143, 20-26.	1.2	56
4	Canonical Wnt signaling in the notochordal cell is upregulated in early intervertebral disk degeneration. <i>Journal of Orthopaedic Research</i> , 2012, 30, 950-957.	2.3	53
5	Biocompatibility and intradiscal application of a thermoreversible celecoxib-loaded poly-N-isopropylacrylamide MgFe-layered double hydroxide hydrogel in a canine model. <i>Arthritis Research and Therapy</i> , 2015, 17, 214.	3.5	43
6	Fibrin-hyaluronic acid hydrogel-based delivery of antisense oligonucleotides for ADAMTS5 inhibition in co-delivered and resident joint cells in osteoarthritis. <i>Journal of Controlled Release</i> , 2019, 294, 247-258.	9.9	34
7	Effect of coculturing canine notochordal, nucleus pulposus and mesenchymal stromal cells for intervertebral disc regeneration. <i>Arthritis Research and Therapy</i> , 2015, 17, 60.	3.5	31
8	L-Dopa stimulates expression of the antioxidant enzyme NAD(P)H:quinone oxidoreductase (NQO) in cultured astroglial cells. <i>Free Radical Biology and Medicine</i> , 2000, 29, 442-453.	2.9	26
9	Expression Stability of Reference Genes for Quantitative RT-PCR of Healthy and Diseased Pituitary Tissue Samples Varies Between Humans, Mice, and Dogs. <i>Molecular Neurobiology</i> , 2014, 49, 893-899.	4.0	25
10	Inflammatory cytokines and the nuclear vitamin D receptor are implicated in the pathophysiology of dental resorptive lesions in cats. <i>Veterinary Immunology and Immunopathology</i> , 2009, 132, 160-166.	1.2	23
11	Increased vitamin D driven signalling and expression of the vitamin D receptor, MSX2, and RANKL in tooth resorption in cats. <i>European Journal of Oral Sciences</i> , 2010, 118, 39-46.	1.5	22
12	The Paracrine Feedback Loop Between Vitamin D ³ (1,25(OH) ² D ³) and PTHrP in Prehypertrophic Chondrocytes. <i>Journal of Cellular Physiology</i> , 2014, 229, 1999-2014.	4.1	21
13	Notochordal Cell-Based Treatment Strategies and Their Potential in Intervertebral Disc Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 780749.	3.7	21
14	A mRNA landscape of bovine embryos after standard and MAPK-inhibited culture conditions: a comparative analysis. <i>BMC Genomics</i> , 2015, 16, 277.	2.8	20
15	Reference genes for reverse transcription quantitative PCR in canine brain tissue. <i>BMC Research Notes</i> , 2015, 8, 761.	1.4	18
16	Bone Morphogenetic Protein-2, But Not Mesenchymal Stromal Cells, Exert Regenerative Effects on Canine and Human Nucleus Pulposus Cells. <i>Tissue Engineering - Part A</i> , 2017, 23, 233-242.	3.1	16
17	Excessive E2F Transcription in Single Cancer Cells Precludes Transient Cell-Cycle Exit after DNA Damage. <i>Cell Reports</i> , 2020, 33, 108449.	6.4	16
18	Hedgehog proteins and parathyroid hormone-related protein are involved in intervertebral disc maturation, degeneration, and calcification. <i>JOR Spine</i> , 2019, 2, e1071.	3.2	15

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19	Novel type II collagen reporter mice: New tool for assessing collagen 2 ^{±1} expression in vivo and in vitro. <i>Developmental Dynamics</i> , 2011, 240, 663-673.	1.8	10
20	Dog as a Model for Osteoarthritis: The FGF4 Retrogene Insertion May Matter. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2550-2560.	2.3	10
21	Enzymes involved in the conversion of arachidonic acid to eicosanoids in the skin of atopic dogs. <i>Experimental Dermatology</i> , 2010, 19, e317-9.	2.9	9
22	Inflammation and wound healing in cats with chronic gingivitis/stomatitis after extraction of all premolars and molars were not affected by feeding of two diets with different omega ⁶ /omega ³ polyunsaturated fatty acid ratios. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 671-680.	2.2	9
23	Oncogenic RAS sensitizes cells to drug-induced replication stress via transcriptional silencing of P53. <i>Oncogene</i> , 2022, 41, 2719-2733.	5.9	7
24	Identification and characterisation of side population cells in the canine pituitary gland. <i>Veterinary Journal</i> , 2012, 192, 476-482.	1.7	6
25	Circulating MicroRNAs as Non-invasive Biomarkers for Canine Cushing's Syndrome. <i>Frontiers in Veterinary Science</i> , 2021, 8, 760487.	2.2	6
26	Growth plate expression profiling: Large and small breed dogs provide new insights in endochondral bone formation. <i>Journal of Orthopaedic Research</i> , 2018, 36, 138-148.	2.3	5
27	Folate Receptor Expression by Human Monocyte ⁺ Derived Macrophage Subtypes and Effects of Corticosteroids. <i>Cartilage</i> , 2022, 13, 194760352210814.	2.7	5
28	Enhanced Extracellular Matrix Breakdown Characterizes the Early Distraction Phase of Canine Knee Joint Distraction. <i>Cartilage</i> , 2021, 13, 1654S-1664S.	2.7	4
29	Altered expression of fatty acid desaturases in the skin of dogs with atopic dermatitis. <i>Journal of Dermatological Science</i> , 2009, 54, 49-52.	1.9	2
30	Excessive E2F Transcription in Single Cancer Cells Precludes Transient Cell Cycle Exit after DNA Damage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0