

Jayesh Dudhia

List of Publications by Year in descending order

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42
papers

2,238
citations

257450

24
h-index

254184

43
g-index

45
all docs

45
docs citations

45
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Implantation of bone marrow-derived mesenchymal stem cells demonstrates improved outcome in horses with overstrain injury of the superficial digital flexor tendon. <i>Equine Veterinary Journal</i> , 2012, 44, 25-32.	1.7	313
2	Aggrecan, aging and assembly in articular cartilage. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 2241-2256.	5.4	168
3	Stem cells in veterinary medicine – attempts at regenerating equine tendon after injury. <i>Trends in Biotechnology</i> , 2007, 25, 409-416.	9.3	152
4	Beneficial Effects of Autologous Bone Marrow-Derived Mesenchymal Stem Cells in Naturally Occurring Tendinopathy. <i>PLoS ONE</i> , 2013, 8, e75697.	2.5	146
5	Large Animal Models in Regenerative Medicine and Tissue Engineering: To Do or Not to Do. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 972.	4.1	120
6	The STR/ort mouse and its use as a model of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2001, 9, 85-91.	1.3	119
7	Aging enhances a mechanically-induced reduction in tendon strength by an active process involving matrix metalloproteinase activity. <i>Aging Cell</i> , 2007, 6, 547-556.	6.7	111
8	Immunoglobulin fold and tandem repeat structures in proteoglycan N-terminal domains and link protein. <i>Journal of Molecular Biology</i> , 1989, 206, 737-748.	4.2	94
9	Resolving an inflammatory concept: The importance of inflammation and resolution in tendinopathy. <i>Veterinary Immunology and Immunopathology</i> , 2014, 158, 121-127.	1.2	90
10	Age-related changes in the content of the C-terminal region of aggrecan in human articular cartilage. <i>Biochemical Journal</i> , 1996, 313, 933-940.	3.7	82
11	Distribution of injected technetium ^{99m} -labeled mesenchymal stem cells in horses with naturally occurring tendinopathy. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1096-1102.	2.3	71
12	Macrophage Sub-Populations and the Lipoxin A4 Receptor Implicate Active Inflammation during Equine Tendon Repair. <i>PLoS ONE</i> , 2012, 7, e32333.	2.5	69
13	Age-related changes in the synthesis of link protein and aggrecan in human articular cartilage: implications for aggregate stability. <i>Biochemical Journal</i> , 1999, 337, 77-82.	3.7	59
14	Inflamm-Aging and Arachadonic Acid Metabolite Differences with Stage of Tendon Disease. <i>PLoS ONE</i> , 2012, 7, e48978.	2.5	55
15	Age-related changes in the composition, the molecular stoichiometry and the stability of proteoglycan aggregates extracted from human articular cartilage. <i>Biochemical Journal</i> , 2003, 370, 69-79.	3.7	54
16	Viability of equine mesenchymal stem cells during transport and implantation. <i>Stem Cell Research and Therapy</i> , 2014, 5, 94.	5.5	43
17	Quantitative proteomics at different depths in human articular cartilage reveals unique patterns of protein distribution. <i>Matrix Biology</i> , 2014, 40, 34-45.	3.6	43
18	Quantification of aggrecan and link-protein mRNA in human articular cartilage of different ages by competitive reverse transcriptase-PCR. <i>Biochemical Journal</i> , 1996, 319, 489-498.	3.7	41

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19	Cell-based Therapies for Tendon and Ligament Injuries. <i>Veterinary Clinics of North America Equine Practice</i> , 2011, 27, 315-333.	0.7	38
20	Detection of cartilage matrix degradation by autofluorescence lifetime. <i>Matrix Biology</i> , 2013, 32, 32-38.	3.6	36
21	Enhanced concentration of COMP (cartilage oligomeric matrix protein) in osteochondral fractures from racing Thoroughbreds. <i>Journal of Orthopaedic Research</i> , 2005, 23, 156-163.	2.3	29
22	Bone marrow mesenchymal stem cells do not enhance intra-synovial tendon healing despite engraftment and homing to niches within the synovium. <i>Stem Cell Research and Therapy</i> , 2018, 9, 169.	5.5	29
23	Proteomic Analysis of Tendon Extracellular Matrix Reveals Disease Stage-specific Fragmentation and Differential Cleavage of COMP (Cartilage Oligomeric Matrix Protein). <i>Journal of Biological Chemistry</i> , 2014, 289, 4919-4927.	3.4	28
24	The relationship between in vivo limb and in vitro tendon mechanics after injury: A potential novel clinical tool for monitoring tendon repair. <i>Equine Veterinary Journal</i> , 2011, 43, 418-423.	1.7	24
25	Immunophenotypic characterization of ovine mesenchymal stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 443-450.	1.5	24
26	Histopathological and immunohistochemical evaluation of cellular response to a woven and electrospun polydioxanone (PDO) and polycaprolactone (PCL) patch for tendon repair. <i>Scientific Reports</i> , 2020, 10, 4754.	3.3	23
27	Structural changes in cartilage and collagen studied by high temperature Raman spectroscopy. <i>Biopolymers</i> , 2017, 107, e23017.	2.4	20
28	Influence of commonly used pharmaceutical agents on equine bone marrow-derived mesenchymal stem cell viability. <i>Equine Veterinary Journal</i> , 2017, 49, 352-357.	1.7	18
29	Modulation of mesenchymal stem cell genotype and phenotype by extracellular matrix proteins. <i>Connective Tissue Research</i> , 2016, 57, 443-453.	2.3	16
30	Mesenchymal stem cells modulate release of matrix proteins from tendon surfaces <i>in vitro</i> : a potential beneficial therapeutic effect. <i>Regenerative Medicine</i> , 2014, 9, 295-308.	1.7	14
31	Exposure of a tendon extracellular matrix to synovial fluid triggers endogenous and engrafted cell death: A mechanism for failed healing of intrathecal tendon injuries. <i>Connective Tissue Research</i> , 2017, 58, 438-446.	2.3	13
32	<i>In Vivo</i> Imaging and Tracking of Technetium-99m Labeled Bone Marrow Mesenchymal Stem Cells in Equine Tendinopathy. <i>Journal of Visualized Experiments</i> , 2015, , e52748.	0.3	11
33	Science in brief: Resolving tendon inflammation. A new perspective. <i>Equine Veterinary Journal</i> , 2013, 45, 398-400.	1.7	10
34	Evaluation of the Effects of Synovial Multipotent Cells on Deep Digital Flexor Tendon Repair in a Large Animal Model of Intra-synovial Tendinopathy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 128-138.	2.3	10
35	Investigating the Postmortem Molecular Biology of Cartilage and its Potential Forensic Applications. <i>Journal of Forensic Sciences</i> , 2015, 60, 1061-1067.	1.6	9
36	Histological evaluation of cellular response to a multifilament electrospun suture for tendon repair. <i>PLoS ONE</i> , 2020, 15, e0234982.	2.5	8

#	ARTICLE	IF	CITATIONS
37	Intra-operative Raman spectroscopy and ex vivo Raman mapping for assessment of cartilage degradation. <i>Clinical Spectroscopy</i> , 2021, 3, 100012.	1.3	8
38	Development of a Cartilage Oligomeric Matrix Protein Neo-Epitope Assay for the Detection of Intra-Thecal Tendon Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2155.	4.1	5
39	Cryopreservation of canine cardiosphere-derived cells: Implications for clinical application. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 115-124.	1.5	4
40	Scienceâ€”inâ€”brief: The importance of senescence in tendinopathy: New opportunities. <i>Equine Veterinary Journal</i> , 2020, 52, 349-351.	1.7	2
41	90â€”Hyperthermia Induced Stress Proteins In Equine Superficial Digital Flexor Tendon. <i>British Journal of Sports Medicine</i> , 2014, 48, A59.1-A59.	6.7	0
42	An elusive force of nature. <i>Equine Health</i> , 2020, 2020, 14-16.	0.1	0