

Walter Brehm

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,815
citations

279487

23
h-index

315357

38
g-index

94
all docs

94
docs citations

94
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Equine Peripheral Blood-Derived Progenitors in Comparison to Bone Marrow-Derived Mesenchymal Stem Cells. <i>Stem Cells</i> , 2006, 24, 1613-1619.	1.4	137
2	Repair of superficial osteochondral defects with an autologous scaffold-free cartilage construct in a caprine model: implantation method and short-term results. <i>Osteoarthritis and Cartilage</i> , 2006, 14, 1214-1226.	0.6	123
3	Freeze-Thaw Cycles Enhance Decellularization of Large Tendons. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 276-284.	1.1	106
4	Growth and differentiation characteristics of equine mesenchymal stromal cells derived from different sources. <i>Veterinary Journal</i> , 2013, 195, 98-106.	0.6	98
5	Multilineage differentiation potential of equine blood-derived fibroblast-like cells. <i>Differentiation</i> , 2008, 76, 118-129.	1.0	84
6	Influence of in vitro maturation of engineered cartilage on the outcome of osteochondral repair in a goat model. , 2012, 23, 222-246.		76
7	Ability of dGEMRIC and T2 mapping to evaluate cartilage repair after microfracture: a goat study. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 1341-1349.	0.6	62
8	Comparative immunophenotyping of equine multipotent mesenchymal stromal cells: An approach toward a standardized definition. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 678-687.	1.1	57
9	Induction of Tenogenic Differentiation Mediated by Extracellular Tendon Matrix and Short-Term Cyclic Stretching. <i>Stem Cells International</i> , 2016, 2016, 1-11.	1.2	52
10	Successful treatment of equine sarcoids by topical aciclovir application. <i>Veterinary Record</i> , 2011, 168, 187-187.	0.2	43
11	Comparative Characterization of Human and Equine Mesenchymal Stromal Cells: A Basis for Translational Studies in the Equine Model. <i>Cell Transplantation</i> , 2016, 25, 109-124.	1.2	39
12	In Vivo Tracking and Fate of Intra-Articularly Injected Superparamagnetic Iron Oxide Particle-Labeled Multipotent Stromal Cells in an Ovine Model of Osteoarthritis. <i>Cell Transplantation</i> , 2015, 24, 2379-2390.	1.2	38
13	Long-Term Cell Tracking following Local Injection of Mesenchymal Stromal Cells in the Equine Model of Induced Tendon Disease. <i>Cell Transplantation</i> , 2016, 25, 2199-2211.	1.2	38
14	Equine cellular therapy“from stall to bench to bedside?. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 103-113.	1.1	34
15	Longitudinal Evaluation of Effects of Intra-Articular Mesenchymal Stromal Cell Administration for the Treatment of Osteoarthritis in an Ovine Model. <i>Cell Transplantation</i> , 2015, 24, 2391-2407.	1.2	33
16	Isolation of equine multipotent mesenchymal stromal cells by enzymatic tissue digestion or explant technique: comparison of cellular properties. <i>BMC Veterinary Research</i> , 2013, 9, 221.	0.7	32
17	Effects of mesenchymal stromal cells versus serum on tendon healing in a controlled experimental trial in an equine model. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 230.	0.8	31
18	A nodular granulomatous posthitis caused by <i>Halicephalobus</i> sp. in a horse. <i>Veterinary Dermatology</i> , 2007, 19, 071203163511001-???	0.4	30

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19	Gene expression of tendon markers in mesenchymal stromal cells derived from different sources. BMC Research Notes, 2014, 7, 826.	0.6	29
20	Growth Factor-Mediated Tenogenic Induction of Multipotent Mesenchymal Stromal Cells Is Altered by the Microenvironment of Tendon Matrix. Cell Transplantation, 2018, 27, 1434-1450.	1.2	29
21	Basic Science and Clinical Application of Stem Cells in Veterinary Medicine. , 2010, 123, 219-263.		28
22	Stem cell-based tissue engineering in veterinary orthopaedics. Cell and Tissue Research, 2012, 347, 677-688.	1.5	27
23	Tenogenic Properties of Mesenchymal Progenitor Cells Are Compromised in an Inflammatory Environment. International Journal of Molecular Sciences, 2018, 19, 2549.	1.8	27
24	Evaluation of a Training Model to Teach Veterinary Students a Technique for Injecting the Jugular Vein in Horses. Journal of Veterinary Medical Education, 2013, 40, 288-295.	0.4	25
25	Influence of head and neck position on radiographic measurement of intervertebral distances between thoracic dorsal spinous processes in clinically sound horses. Equine Veterinary Journal, 2012, 44, 21-26.	0.9	24
26	MAGNETIC RESONANCE IMAGING FEATURES OF SINONASAL DISORDERS IN HORSES. Veterinary Radiology and Ultrasound, 2013, 54, 54-60.	0.4	24
27	Intravitreal injection of low-dose gentamicin for the treatment of recurrent or persistent uveitis in horses: Preliminary results.. BMC Veterinary Research, 2019, 15, 29.	0.7	24
28	Is sheep lumbar spine a suitable alternative model for human spinal researches? Morphometrical comparison study. Laboratory Animal Research, 2013, 29, 183.	1.1	23
29	Ocular angiosarcoma in a pony - MRI and histopathological appearance. Equine Veterinary Education, 2008, 20, 340-347.	0.3	22
30	The Role of Cells in Meniscal Guided Tissue Regeneration. Cartilage, 2015, 6, 20-29.	1.4	21
31	Evaluation of transport conditions for autologous bone marrow-derived mesenchymal stromal cells for therapeutic application in horses. PeerJ, 2016, 4, e1773.	0.9	20
32	Longitudinal Cell Tracking and Simultaneous Monitoring of Tissue Regeneration after Cell Treatment of Natural Tendon Disease by Low-Field Magnetic Resonance Imaging. Stem Cells International, 2016, 1-13.	1.2	19
33	Transforming Growth Factor Beta 3-Loaded Decellularized Equine Tendon Matrix for Orthopedic Tissue Engineering. International Journal of Molecular Sciences, 2019, 20, 5474.	1.8	18
34	Serum-free human MSC medium supports consistency in human but not in equine adipose-derived multipotent mesenchymal stromal cell culture. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 60-72.	1.1	16
35	Application of Stem Cells for the Treatment of Joint Disease in Horses. Methods in Molecular Biology, 2014, 1213, 215-228.	0.4	15
36	Comparative Labeling of Equine and Ovine Multipotent Stromal Cells with Superparamagnetic Iron Oxide Particles for Magnetic Resonance Imaging in Vitro. Cell Transplantation, 2015, 24, 1111-1125.	1.2	14

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37	Morphometrical dimensions of the sheep thoracolumbar vertebrae as seen on digitised CT images. <i>Laboratory Animal Research</i> , 2013, 29, 138.	1.1	13
38	Quantitative evaluation of bone scintigraphy of the spinous processes of the equine thoracic spine at different times after administering ^{99m}Tc -hydroxymethylene- α -diphosphonate. <i>Veterinary Record</i> , 2014, 174, 505-505.	0.2	12
39	Use of a Pinless External Fixator for Unilateral Mandibular Fracture Repair in nine Equids. <i>Veterinary Surgery</i> , 2010, 39, no-no.	0.5	11
40	Characterisation and intracellular labelling of mesenchymal stromal cells derived from synovial fluid of horses and sheep. <i>Veterinary Journal</i> , 2017, 222, 1-8.	0.6	11
41	Computed Tomography and Cross-sectional Anatomy of the Normal Dromedary Camel Tarsus (One) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 266-274.	0.3	10
42	Long-term pre-clinical evaluation of an injectable chitosan nanocellulose hydrogel with encapsulated adipose-derived stem cells in an ovine model for IVD regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 660-673.	1.3	10
43	MAGNETIC RESONANCE IMAGING OF PULP IN NORMAL AND DISEASED EQUINE CHEEK TEETH. <i>Veterinary Radiology and Ultrasound</i> , 2013, 54, 48-53.	0.4	9
44	Successful closed reduction of an atlantoaxial luxation in a mature Warmblood horse. <i>Equine Veterinary Education</i> , 2012, 24, 294-296.	0.3	8
45	Cell-Based Veterinary Pharmaceuticals – Basic Legal Parameters Set by the Veterinary Pharmaceutical Law and the Genetic Engineering Law of the European Union. <i>Frontiers in Veterinary Science</i> , 2016, 3, 101.	0.9	8
46	Comparison of humoral insulin-like growth factor-1, platelet-derived growth factor-BB, transforming growth factor- β 1, and interleukin-1 receptor antagonist concentrations among equine autologous blood-derived preparations. <i>American Journal of Veterinary Research</i> , 2016, 77, 898-905.	0.3	8
47	Retrospective Evaluation of Hemithyroidectomy in 14 Horses. <i>Veterinary Surgery</i> , 2016, 45, 949-954.	0.5	8
48	A novel direct co-culture assay analyzed by multicolor flow cytometry reveals context- and cell type-specific immunomodulatory effects of equine mesenchymal stromal cells. <i>PLoS ONE</i> , 2019, 14, e0218949.	1.1	8
49	Effects of body weight gain on insulin and lipid metabolism in equines. <i>Domestic Animal Endocrinology</i> , 2019, 68, 111-118.	0.8	8
50	Imaging diagnosis and clinical presentation of a Chiari malformation in a Thoroughbred foal. <i>Equine Veterinary Education</i> , 2012, 24, 618-623.	0.3	7
51	Stent Reconstruction of an Injured Parotid Duct in a Thoroughbred Colt. <i>Veterinary Surgery</i> , 2012, 41, 536-539.	0.5	7
52	Bovine thoracoscopy: Surgical technique and normal anatomy. <i>Veterinary Surgery</i> , 2014, 43, 85-90.	0.5	7
53	Micro-CT evaluation of asymmetrical ovine intervertebral disc height loss from surgical approach. <i>European Spine Journal</i> , 2017, 26, 2031-2037.	1.0	7
54	Long-Term Pathology of Ovine Lumbar Spine Degeneration Following Injury Via Percutaneous Minimally Invasive Partial Nucleotomy. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2376-2388.	1.2	7

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55	Magnetic resonance imaging of plantar soft tissue structures of the tarsus and proximal metatarsus in foals and adult horses. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2013, 26, 192-197.	0.2	6
56	Computed Tomography of the Normal Bovine Tarsus. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2016, 45, 469-478.	0.3	6
57	Lipid classes in adipose tissues and liver differ between Shetland ponies and Warmblood horses. <i>PLoS ONE</i> , 2019, 14, e0207568.	1.1	6
58	Impact of body weight gain on hepatic metabolism and hepatic inflammatory cytokines in comparison of Shetland pony geldings and Warmblood horse geldings. <i>PeerJ</i> , 2019, 7, e7069.	0.9	6
59	Successful treatment of a medial intercondylar eminence fracture in a stallion by arthroscopic removal. <i>Veterinary Record</i> , 2008, 162, 756-758.	0.2	5
60	Comparison of incisional complications between skin closures using a simple continuous or intradermal pattern: a pilot study in horses undergoing ventral median celiotomy. <i>PeerJ</i> , 2018, 6, e5772.	0.9	5
61	Variation in the MRI signal intensity of naturally occurring equine superficial digital flexor tendinopathies over a 12-month period. <i>Veterinary Record</i> , 2020, 187, e53.	0.2	5
62	Evaluation of Villus Synovium From Unaffected Metacarpophalangeal Joints of Adult and Juvenile Horses. <i>Journal of Equine Veterinary Science</i> , 2021, 102, 103637.	0.4	5
63	Hand-assisted laparoscopic adhesiolysis of extensive small intestinal adhesions in a mare after breeding injury. <i>Equine Veterinary Education</i> , 2012, 24, 545-551.	0.3	4
64	THE INFLUENCE OF TEMPERATURE AND AGE ON THE T1 RELAXATION TIME OF THE EQUINE DISTAL LIMB. <i>Veterinary Radiology and Ultrasound</i> , 2012, 53, 296-303.	0.4	4
65	Parapagus Conjoined Twin Calf: A Case Study - Focused on CT and Cardiac Abnormalities. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2014, 43, 64-70.	0.3	3
66	In Vivo Magic Angle Magnetic Resonance Imaging for Cell Tracking in Equine Low-Field MRI. <i>Stem Cells International</i> , 2019, 2019, 1-9.	1.2	3
67	Influence of cryopreservation and mechanical stimulation on equine Autologous Conditioned Plasma (ACP®). <i>Tierärztliche Praxis Ausgabe G: Grosstiere - Nutztiere</i> , 2015, 43, 97-104.	0.2	3
68	Editorial to the Special Issue "Stem Cell Characterization Across Species". <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 16-18.	1.1	2
69	Palmar arthroscopic approach and intra-articular anatomy of the bovine carpal joints. <i>Veterinary Surgery</i> , 2019, 48, 537-545.	0.5	2
70	MSC in Tendon and Joint Disease: The Context-Sensitive Link Between Targets and Therapeutic Mechanisms. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 855095.	2.0	2
71	Normal Radiographic and Ultrasonographic Appearance of the Adult Dromedary Camel Tarsus (One) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 344-354.	0.3	1
72	Morphometrical analysis of the thoracolumbar dural sac in sheep using computed assisted myelography. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2014, 27, 124-129.	0.2	1

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73	Systematic arthroscopic investigation of the bovine stifle joint. <i>Veterinary Journal</i> , 2015, 206, 338-348.	0.6	1
74	Arthrodesis of the equine proximal interphalangeal joint: a biomechanical comparison of 2 different LCP systems. <i>Tierärztliche Praxis Ausgabe G: Grosstiere - Nutztiere</i> , 2020, 48, 25-34.	0.2	1
75	Surgical hand preparation in an equine hospital: Comparison of general practice with a standardised protocol and characterisation of the methicillin-resistant <i>Staphylococcus aureus</i> recovered. <i>PLoS ONE</i> , 2020, 15, e0242961.	1.1	1
76	QUANTIFICATION OF LUNG COLLAPSE DURING PEEP-TITRATION BY ELECTRICAL IMPEDANCE TOMOGRAPHY IN EXPERIMENTAL ARDS - COMPARISON WITH QUANTITATIVE CT ANALYSIS. <i>Intensive Care Medicine Experimental</i> , 2015, 3, A995.	0.9	0
77	Disorders of the sustentaculum tali and the medial trochlear ridge of the talus in horses: Novel findings and surgical management of five cases. <i>Veterinary Record Case Reports</i> , 0, , .	0.1	0