

Walter Brehm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3641641/publications.pdf>

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Transforming Growth Factor Beta 3-Loaded Decellularized Equine Tendon Matrix for Orthopedic Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5474.	1.8	18
10	Effects of body weight gain on insulin and lipid metabolism in equines. <i>Domestic Animal Endocrinology</i> , 2019, 68, 111-118.	0.8	8
11	Lipid classes in adipose tissues and liver differ between Shetland ponies and Warmblood horses. <i>PLoS ONE</i> , 2019, 14, e0207568.	1.1	6
12	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
13	Palmar arthroscopic approach and intra-articular anatomy of the bovine carpal joints. <i>Veterinary Surgery</i> , 2019, 48, 537-545.	0.5	2
14	Intravitreal injection of low-dose gentamicin for the treatment of recurrent or persistent uveitis in horses: Preliminary results.. <i>BMC Veterinary Research</i> , 2019, 15, 29.	0.7	24
15	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
16	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
17	Serum-free human MSC medium supports consistency in human but not in equine adipose-derived multipotent mesenchymal stromal cell culture. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 60-72.	1.1	16
18	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

#	ARTICLE	IF	CITATIONS
19	Growth Factor-Mediated Tenogenic Induction of Multipotent Mesenchymal Stromal Cells Is Altered by the Microenvironment of Tendon Matrix. <i>Cell Transplantation</i> , 2018, 27, 1434-1450.	1.2	29
20	Tenogenic Properties of Mesenchymal Progenitor Cells Are Compromised in an Inflammatory Environment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2549.	1.8	27
21	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
22	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
23	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
24	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
25	Longitudinal Cell Tracking and Simultaneous Monitoring of Tissue Regeneration after Cell Treatment of Natural Tendon Disease by Low-Field Magnetic Resonance Imaging. <i>Stem Cells International</i> , 2016, 2016, 1-13.	1.2	19
26	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
27	Evaluation of transport conditions for autologous bone marrow-derived mesenchymal stromal cells for therapeutic application in horses. <i>PeerJ</i> , 2016, 4, e1773.	0.9	20
28	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
29	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
30	Comparison of humoral insulin-like growth factor-1, platelet-derived growth factor-BB, transforming growth factor- β 21, 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
31	Retrospective Evaluation of Hemithyroidectomy in 14 Horses. <i>Veterinary Surgery</i> , 2016, 45, 949-954.	0.5	8
32	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
33	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
34	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
35	Comparative Labeling of Equine and Ovine Multipotent Stromal Cells with Superparamagnetic Iron Oxide Particles for Magnetic Resonance Imaging in Vitro. <i>Cell Transplantation</i> , 2015, 24, 1111-1125.	1.2	14
36	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

#	ARTICLE	IF	CITATIONS
37	Systematic arthroscopic investigation of the bovine stifle joint. <i>Veterinary Journal</i> , 2015, 206, 338-348.	0.6	1
38	The Role of Cells in Meniscal Guided Tissue Regeneration. <i>Cartilage</i> , 2015, 6, 20-29.	1.4	21
39	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
40	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
41	Gene expression of tendon markers in mesenchymal stromal cells derived from different sources. <i>BMC Research Notes</i> , 2014, 7, 826.	0.6	29
42	Freeze-Thaw Cycles Enhance Decellularization of Large Tendons. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 276-284.	1.1	106
43	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
44	Quantitative evaluation of bone scintigraphy of the spinous processes of the equine thoracic spine at different times after administering ^{99m} Tc-hydroxymethylene diphosphonate. <i>Veterinary Record</i> , 2014, 174, 505-505.	0.2	12
45	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
46	Bovine thoracoscopy: Surgical technique and normal anatomy. <i>Veterinary Surgery</i> , 2014, 43, 85-90.	0.5	7
47	Application of Stem Cells for the Treatment of Joint Disease in Horses. <i>Methods in Molecular Biology</i> , 2014, 1213, 215-228.	0.4	15
48	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
49	MAGNETIC RESONANCE IMAGING FEATURES OF SINONASAL DISORDERS IN HORSES. <i>Veterinary Radiology and Ultrasound</i> , 2013, 54, 54-60.	0.4	24
50	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
51	Growth and differentiation characteristics of equine mesenchymal stromal cells derived from different sources. <i>Veterinary Journal</i> , 2013, 195, 98-106.	0.6	98
52	Computed Tomography and Cross-sectional Anatomy of the Normal Dromedary Camel Tarsus (One) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 266-274.	0.3	10
53	Normal Radiographic and Ultrasonographic Appearance of the Adult Dromedary Camel Tarsus (One) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 344-354.	0.3	1
54	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

#	ARTICLE	IF	CITATIONS
55	Is sheep lumbar spine a suitable alternative model for human spinal researches? Morphometrical comparison study. <i>Laboratory Animal Research</i> , 2013, 29, 183.	1.1	23
56	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
57	Morphometrical dimensions of the sheep thoracolumbar vertebrae as seen on digitised CT images. <i>Laboratory Animal Research</i> , 2013, 29, 138.	1.1	13
58	Evaluation of a Training Model to Teach Veterinary Students a Technique for Injecting the Jugular Vein in Horses. <i>Journal of Veterinary Medical Education</i> , 2013, 40, 288-295.	0.4	25
59	Successful closed reduction of an atlantoaxial luxation in a mature Warmblood horse. <i>Equine Veterinary Education</i> , 2012, 24, 294-296.	0.3	8
60	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
61	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
62	Influence of head and neck position on radiographic measurement of intervertebral distances between thoracic dorsal spinous processes in clinically sound horses. <i>Equine Veterinary Journal</i> , 2012, 44, 21-26.	0.9	24
63	Stem cell-based tissue engineering in veterinary orthopaedics. <i>Cell and Tissue Research</i> , 2012, 347, 677-688.	1.5	27
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	Stent Reconstruction of an Injured Parotid Duct in a Thoroughbred Colt. <i>Veterinary Surgery</i> , 2012, 41, 536-539.	0.5	7
66	Influence of in vitro maturation of engineered cartilage on the outcome of osteochondral repair in a goat model. , 2012, 23, 222-246.		76
67	Successful treatment of equine sarcoids by topical aciclovir application. <i>Veterinary Record</i> , 2011, 168, 187-187.	0.2	43
68	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
69	Basic Science and Clinical Application of Stem Cells in Veterinary Medicine. , 2010, 123, 219-263.		28
70	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
71	Ocular angiosarcoma in a pony - MRI and histopathological appearance. <i>Equine Veterinary Education</i> , 2008, 20, 340-347.	0.3	22
72	Multilineage differentiation potential of equine blood-derived fibroblast-like cells. <i>Differentiation</i> , 2008, 76, 118-129.	1.0	84

#	ARTICLE	IF	CITATIONS
73	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
74	A nodular granulomatous posthitis caused by <i>Halicephalobus</i> sp. in a horse. <i>Veterinary Dermatology</i> , 2007, 19, 071203163511001-???	0.4	30
75	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
76	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
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