

# Heidi L Reesink

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

642  
citations

759233

12  
h-index

642732

23  
g-index

35  
all docs

35  
docs citations

35  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Principles of Membrane Shape Regulation by the Glycocalyx. <i>Cell</i> , 2019, 177, 1757-1770.e21.	28.9	187
2	Label-free analysis of physiological hyaluronan size distribution with a solid-state nanopore sensor. <i>Nature Communications</i> , 2018, 9, 1037.	12.8	73
3	Galectin-1 and galectin-3 expression in equine mesenchymal stromal cells (MSCs), synovial fibroblasts and chondrocytes, and the effect of inflammation on MSC motility. <i>Stem Cell Research and Therapy</i> , 2017, 8, 243.	5.5	41
4	Galectin-3 Binds to Lubricin and Reinforces the Lubricating Boundary Layer of Articular Cartilage. <i>Scientific Reports</i> , 2016, 6, 25463.	3.3	33
5	Lubricin/proteoglycan 4 increases in both experimental and naturally occurring equine osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 128-137.	1.3	33
6	Measurement of digital laminar and venous temperatures as a means of comparing three methods of topically applied cold treatment for digits of horses. <i>American Journal of Veterinary Research</i> , 2012, 73, 860-866.	0.6	30
7	Can quantitative computed tomography detect bone morphological changes associated with catastrophic proximal sesamoid bone fracture in Thoroughbred racehorses?. <i>Equine Veterinary Journal</i> , 2019, 51, 123-130.	1.7	27
8	The surface stress of biomedical silicones is a stimulant of cellular response. <i>Science Advances</i> , 2020, 6, eaay0076.	10.3	23
9	Continuous peripheral neural blockade to alleviate signs of experimentally induced severe forelimb pain in horses. <i>Journal of the American Veterinary Medical Association</i> , 2011, 238, 1032-1039.	0.5	19
10	Selective and Tunable Galectin Binding of Glycopolymers Synthesized by a Generalizable Conjugation Method. <i>Biomacromolecules</i> , 2019, 20, 3704-3712.	5.4	18
11	Lubricin in experimental and naturally occurring osteoarthritis: a systematic review. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1303-1315.	1.3	15
12	Temporal changes in synovial fluid composition and elastoviscous lubrication in the equine carpal fracture model. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1071-1079.	2.3	13
13	Return to racing after surgical management of third carpal bone slab fractures in thoroughbred and standardbred racehorses. <i>Veterinary Surgery</i> , 2019, 48, 513-523.	1.0	10
14	A radiomics platform for computing imaging features from $\mu$ CT images of Thoroughbred racehorse proximal sesamoid bones: Benchmark performance and evaluation. <i>Equine Veterinary Journal</i> , 2021, 53, 277-286.	1.7	10
15	Investigation of synovial fluid lubricants and inflammatory cytokines in the horse: a comparison of recombinant equine interleukin 1 beta-induced synovitis and joint lavage models. <i>BMC Veterinary Research</i> , 2021, 17, 189.	1.9	10
16	Stable recombinant production of codon-scrambled lubricin and mucin in human cells. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1292-1303.	3.3	9
17	Hyaluronic acid synthesis, degradation, and crosslinking in equine osteoarthritis: TNF- $\alpha$ -TSG-6-mediated HC-HA formation. <i>Arthritis Research and Therapy</i> , 2021, 23, 218.	3.5	9
18	Malignant fibrous histiocytoma of the mammary gland in a mare. <i>Equine Veterinary Education</i> , 2009, 21, 467-472.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Foal Fractures. <i>Veterinary Clinics of North America Equine Practice</i> , 2017, 33, 397-416.	0.7	7
20	Anatomic and neuromuscular characterisation of the equine cricothyroid muscle. <i>Equine Veterinary Journal</i> , 2013, 45, 630-636.	1.7	6
21	Galectins-1 and-3 Increase in Equine Post-traumatic Osteoarthritis. <i>Frontiers in Veterinary Science</i> , 2018, 5, 288.	2.2	6
22	Synovial fluid lubricin increases in spontaneous canine cruciate ligament rupture. <i>Scientific Reports</i> , 2020, 10, 16725.	3.3	6
23	Metabolism and global protein glycosylation are differentially expressed in healthy and osteoarthritic equine carpal synovial fluid. <i>Equine Veterinary Journal</i> , 2022, 54, 323-333.	1.7	6
24	Determination of correlation of proximal sesamoid bone osteoarthritis with high-speed furlong exercise and catastrophic sesamoid bone fracture in Thoroughbred racehorses. <i>American Journal of Veterinary Research</i> , 2021, 82, 467-477.	0.6	6
25	Synovial fluid lubricin and hyaluronan are altered in equine osteochondral fragmentation, cartilage impact injury, and full-thickness cartilage defect models. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1826-1835.	2.3	5
26	Traumatic communication of the extensor carpi radialis tendon sheath and antebrachiocondylar joint in two horses. <i>Equine Veterinary Education</i> , 2016, 28, 539-545.	0.6	4
27	Rhodococcus equi Joint Sepsis and Osteomyelitis Is Associated With a Grave Prognosis in Foals. <i>Frontiers in Veterinary Science</i> , 2019, 6, 503.	2.2	4
28	Assessment of osteoarthritis functional outcomes and intra-articular injection volume in the rat anterior cruciate ligament transection model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2004-2014.	2.3	4
29	Proximal sesamoid bone microdamage is localized to articular subchondral regions in Thoroughbred racehorses, with similar fracture toughness between fracture and controls. <i>Veterinary Surgery</i> , 2022, 51, 952-962.	1.0	4
30	Laparoscopic-Guided Compared to Skilled Instructor Support for Student Rectal Examination Training Using Live Horses in the Veterinary Curriculum. <i>Veterinary Surgery</i> , 2015, 44, 352-358.	1.0	3
31	Letter to the Editor: Selection of appropriate controls for studying fatal musculoskeletal injury in racehorses. <i>Equine Veterinary Journal</i> , 2019, 51, 559-560.	1.7	3
32	Surgery of the Swine Digestive System. , 2017, , 601-607.		2
33	Surgical treatment of uterine neoplasia in 13 production size pigs with a comparison to potbellied pigs. <i>Veterinary Surgery</i> , 2021, 50, 1434-1442.	1.0	1
34	Intra-Articular Administration of a Synthetic Lubricin in Canine Stifles. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2021, , .	0.5	0