James N Macleod

List of Publications by Year in descending order

41 papers	2,386 citations	448610 19 h-index	325983 40 g-index
45 all docs	45 docs citations	45 times ranked	5514 citing authors

#	Article	IF	Citations
1	â€œAdopt-a-Tissueâ€•Initiative Advances Efforts to Identify Tissue-Specific Histone Marks in the Mare. Frontiers in Genetics, 2021, 12, 649959.	1.1	8
2	Kinetics of Gene Expression Changes in Equine Fetal Interzone and Anlagen Cells Over 14 Days of Induced Chondrogenesis. Frontiers in Veterinary Science, 2021, 8, 722324.	0.9	0
3	Transcriptional and Histochemical Signatures of Bone Marrow Mononuclear Cell-Mediated Resolution of Synovitis. Frontiers in Immunology, 2021, 12, 734322.	2.2	6
4	Functionally Annotating Regulatory Elements in the Equine Genome Using Histone Mark ChIP-Seq. Genes, 2020, 11, 3.	1.0	34
5	Genetics, Genomics, and Emergent Precision Medicine 12ÂYears After the Equine Reference Genome Was Published. Veterinary Clinics of North America Equine Practice, 2020, 36, 173-181.	0.3	1
6	Comparison of Poly-A+ Selection and rRNA Depletion in Detection of lncRNA in Two Equine Tissues Using RNA-seq. Non-coding RNA, 2020, 6, 32.	1.3	6
7	Inflamed synovial fluid induces a homeostatic response in bone marrow mononuclear cells in vitro: Implications for joint therapy. FASEB Journal, 2020, 34, 4430-4444.	0.2	13
8	Cellular Proliferation of Equine Bone Marrow- and Adipose Tissue-Derived Mesenchymal Stem Cells Decline With Increasing Donor Age. Frontiers in Veterinary Science, 2020, 7, 602403.	0.9	13
9	Advances in gene ontology utilization improve statistical power of annotation enrichment. PLoS ONE, 2019, 14, e0220728.	1.1	10
10	Effect of Skeletal Paracrine Signals on the Proliferation of Interzone Cells. Cartilage, 2019, , 194760351984168.	1.4	2
11	Chondrogenic differentiation potential of adult and fetal equine cell types. Veterinary Surgery, 2019, 48, 375-387.	0.5	8
12	Improved reference genome for the domestic horse increases assembly contiguity and composition. Communications Biology, 2018, 1, 197.	2.0	148
13	Changes in the appendicular skeleton during metamorphosis in the axolotl salamander (<i>Ambystoma) Tj ETQq1 1 0.784314 rgBT /Ov	0.9	9
14	iMapSplice: Alleviating reference bias through personalized RNA-seq alignment. PLoS ONE, 2018, 13, e0201554.	1.1	9
15	Developing a 670k genotyping array to tag ~2M SNPs across 24 horse breeds. BMC Genomics, 2017, 18, 565.	1.2	116
16	DeepSplice: Deep classification of novel splice junctions revealed by RNA-seq. , 2016, , .		16
17	Annotation of the Protein Coding Regions of the Equine Genome. PLoS ONE, 2015, 10, e0124375.	1.1	29
18	Comparison of the Equine Reference Sequence with Its Sanger Source Data and New Illumina Reads. PLoS ONE, 2015, 10, e0126852.	1.1	6

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19	Tissue Restricted Splice Junctions Originate Not Only from Tissue-Specific Gene Loci, but Gene Loci with a Broad Pattern of Expression. PLoS ONE, 2015, 10, e0144302.	1.1	20
20	Prehistoric genomes reveal the genetic foundation and cost of horse domestication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5661-9.	3.3	260
21	A Robust Method for Transcript Quantification with RNA-Seq Data. Journal of Computational Biology, 2013, 20, 167-187.	0.8	13
22	Analysis of Unannotated Equine Transcripts Identified by mRNA Sequencing. PLoS ONE, 2013, 8, e70125.	1.1	16
23	A Robust Method for Transcript Quantification with RNA-seq Data. Lecture Notes in Computer Science, 2012, , 127-147.	1.0	1
24	Transcriptional comparisons between equine articular repair tissue, neonatal cartilage, cultured chondrocytes and mesenchymal stromal cells. Briefings in Functional Genomics, 2010, 9, 238-250.	1.3	7
25	MapSplice: Accurate mapping of RNA-seq reads for splice junction discovery. Nucleic Acids Research, 2010, 38, e178-e178.	6.5	946
26	Transcriptional profiling differences for articular cartilage and repair tissue in equine joint surface lesions. BMC Medical Genomics, 2009, 2, 60.	0.7	33
27	Differential gene expression associated with postnatal equine articular cartilage maturation. BMC Musculoskeletal Disorders, 2008, 9, 149.	0.8	38
28	The potential and limitations of cartilage-specific (V+C)â^' fibronectin and cartilage oligomeric matrix protein as osteoarthritis biomarkers in canine synovial fluid. Osteoarthritis and Cartilage, 2004, 12, 818-825.	0.6	17
29	Clinical Efficacy and Safety of Recombinant Canine Erythropoietin in Dogs with Anemia of Chronic Renal Failure and Dogs with Recombinant Human Erythropoietinâ€Induced Red Cell Aplasia. Journal of Veterinary Internal Medicine, 2004, 18, 81-91.	0.6	30
30	Expression and Activity of the CDK Inhibitor p57Kip2 in Chondrocytes Undergoing Hypertrophic Differentiation. Journal of Bone and Mineral Research, 2003, 19, 123-132.	3.1	36
31	The Cartilage-specific Fibronectin Isoform Has a High Affinity Binding Site for the Small Proteoglycan Decorin. Journal of Biological Chemistry, 2003, 278, 11175-11181.	1.6	20
32	Absence of the I-10 Protein Segment Mediates Restricted Dimerization of the Cartilage-specific Fibronectin Isoform. Journal of Biological Chemistry, 2002, 277, 20095-20103.	1.6	6
33	Corticosteroids alter the differentiated phenotype of articular chondrocytes. Journal of Orthopaedic Research, 2001, 19, 688-695.	1.2	64
34	Canine COL1A2 Mutation Resulting in Câ€Terminal Truncation of Proâ€Î±2(I) and Severe Osteogenesis Imperfecta. Journal of Bone and Mineral Research, 2001, 16, 1147-1153.	3.1	34
35	Phenotypic Stability of Articular Chondrocytes In Vitro: The Effects of Culture Models, Bone Morphogenetic Protein 2, and Serum Supplementation. Journal of Bone and Mineral Research, 2000, 15, 166-174.	3.1	163
36	The cartilage-specific (V+C)â^' fibronectin isoform exists primarily in homodimeric and monomeric configurations. Biochemical Journal, 1999, 341, 555-561.	1.7	10

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37	Acute synovitis and intra-articular methylprednisolone acetate in ponies. Osteoarthritis and Cartilage, 1998, 6, 94-105.	0.6	36
38	Expression of the (V+C)â^' fibronectin isoform is tightly linked to the presence of a cartilaginous matrix. Matrix Biology, 1998, 17, 193-203.	1.5	22
39	Sequence of Canine COL1A2 cDNA: Nucleotide Substitutions Affecting the Cyanogen Bromide Peptide Map of the Î±2(I) Chain. Archives of Biochemistry and Biophysics, 1998, 357, 67-75.	1.4	10
40	Cartilage fibronectin isoforms: In search of functions for a special populations of matrix glycoproteins. Matrix Biology, 1997, 15, 441-454.	1.5	67
41	Fibronectin mRNA Splice Variant in Articular Cartilage Lacks Bases Encoding the V, III-15, and I-10 Protein Segments. Journal of Biological Chemistry, 1996, 271, 18954-18960.	1.6	76