

James W Macdonald

List of Publications by Year in descending order

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41
papers

4,374
citations

430843

18
h-index

302107

39
g-index

43
all docs

43
docs citations

43
times ranked

11729
citing authors

#	ARTICLE	IF	CITATIONS
1	Orchestrating high-throughput genomic analysis with Bioconductor. <i>Nature Methods</i> , 2015, 12, 115-121.	19.0	3,070
2	Human Organ-Specific Endothelial Cell Heterogeneity. <i>Science</i> , 2018, 4, 20-35.	4.1	181
3	Genomic and transcriptomic association studies identify 16 novel susceptibility loci for venous thromboembolism. <i>Blood</i> , 2019, 134, 1645-1657.	1.4	162
4	Uterine overdistention induces preterm labor mediated by inflammation: observations in pregnant women and nonhuman primates. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 830.e1-830.e19.	1.3	113
5	Group B <i>Streptococcus</i> circumvents neutrophils and neutrophil extracellular traps during amniotic cavity invasion and preterm labor. <i>Science Immunology</i> , 2016, 1, .	11.9	84
6	Elevated CO ₂ impairs olfactory-mediated neural and behavioral responses and gene expression in ocean-phase coho salmon (<i>Oncorhynchus kisutch</i>). <i>Global Change Biology</i> , 2019, 25, 963-977.	9.5	77
7	Infant sex-specific placental cadmium and DNA methylation associations. <i>Environmental Research</i> , 2015, 138, 74-81.	7.5	63
8	Long-term outdoor air pollution and DNA methylation in circulating monocytes: results from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Environmental Health</i> , 2016, 15, 119.	4.0	62
9	Silymarin Suppresses Cellular Inflammation By Inducing Reparative Stress Signaling. <i>Journal of Natural Products</i> , 2015, 78, 1990-2000.	3.0	53
10	Histone Deacetylase Inhibitors Antagonize Distinct Pathways to Suppress Tumorigenesis of Embryonal Rhabdomyosarcoma. <i>PLoS ONE</i> , 2015, 10, e0144320.	2.5	51
11	The Epigenetic Factor Landscape of Developing Neocortex Is Regulated by Transcription Factors Pax6 and Tbr1. <i>Frontiers in Neuroscience</i> , 2018, 12, 571.	2.8	46
12	Autophagy accounts for approximately one-third of mitochondrial protein turnover and is protein selective. <i>Autophagy</i> , 2019, 15, 1592-1605.	9.1	41
13	A Combination Therapy of Nicotinamide and Progesterone Improves Functional Recovery following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 765-779.	3.4	31
14	Genetic determinants of susceptibility to silver nanoparticle-induced acute lung inflammation in mice. <i>FASEB Journal</i> , 2017, 31, 4600-4611.	0.5	28
15	PI3K-Yap activity drives cortical gyrification and hydrocephalus in mice. <i>ELife</i> , 2019, 8, .	6.0	28
16	Choriodecidual Group B Streptococcal Infection Induces miR-155-5p in the Fetal Lung in Macaca nemestrina. <i>Infection and Immunity</i> , 2015, 83, 3909-3917.	2.2	26
17	Evidence of cardiac involvement in the fetal inflammatory response syndrome: disruption of gene networks programming cardiac development in nonhuman primates. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, 438.e1-438.e16.	1.3	23
18	In utero exposure to diesel exhaust particulates is associated with an altered cardiac transcriptional response to transverse aortic constriction and altered DNA methylation. <i>FASEB Journal</i> , 2017, 31, 4935-4945.	0.5	20

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19	Human Cervical Mucus Plugs Exhibit Insufficiencies in Antimicrobial Activity Towards Group B Streptococcus. <i>Journal of Infectious Diseases</i> , 2018, 217, 1626-1636.	4.0	19
20	Î±7 Nicotinic Acetylcholine Receptor Signaling Modulates Ovine Fetal Brain Astrocytes Transcriptome in Response to Endotoxin. <i>Frontiers in Immunology</i> , 2019, 10, 1063.	4.8	18
21	Spiny mice activate unique transcriptional programs after severe kidney injury regenerating organ function without fibrosis. <i>IScience</i> , 2021, 24, 103269.	4.1	17
22	Network analysis of microRNA and mRNA seasonal dynamics in a highly plastic sensorimotor neural circuit. <i>BMC Genomics</i> , 2015, 16, 905.	2.8	15
23	Transcriptional analysis of human cranial compartments with different embryonic origins. <i>Archives of Oral Biology</i> , 2015, 60, 1450-1460.	1.8	13
24	From the Cover: Cadmium Exposure Differentially Alters Odorant-Driven Behaviors and Expression of Olfactory Receptors in Juvenile Coho Salmon (<i>Oncorhynchus kisutch</i>). <i>Toxicological Sciences</i> , 2016, 154, 267-277.	3.1	13
25	Short Report: Circulating microRNAs are associated with incident diabetes over 10 years in Japanese Americans. <i>Scientific Reports</i> , 2020, 10, 6509.	3.3	12
26	Multi-phenotype analyses of hemostatic traits with cardiovascular events reveal novel genetic associations. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1331-1349.	3.8	12
27	Epigenome-wide analysis of long-term air pollution exposure and DNA methylation in monocytes: results from the Multi-Ethnic Study of Atherosclerosis. <i>Epigenetics</i> , 2022, 17, 1-17.	2.7	11
28	Neonatal Exposure to BPA, BDE-99, and PCB Produces Persistent Changes in Hepatic Transcriptome Associated With Gut Dysbiosis in Adult Mouse Livers. <i>Toxicological Sciences</i> , 2021, 184, 83-103.	3.1	10
29	Dried blood spot compared to plasma measurements of blood-based biomarkers of brain injury in neonatal encephalopathy. <i>Pediatric Research</i> , 2019, 85, 655-661.	2.3	9
30	Transcriptome data of temporal and cingulate cortex in the Rett syndrome brain. <i>Scientific Data</i> , 2020, 7, 192.	5.3	9
31	Persistence of improved glucose homeostasis in <i>Gclm</i> null mice with age and cadmium treatment. <i>Redox Biology</i> , 2022, 49, 102213.	9.0	9
32	Repeated Gestational Exposure of Mice to Chlorpyrifos Oxon Is Associated with Paraoxonase 1 (PON1) Modulated Effects in Maternal and Fetal Tissues. <i>Toxicological Sciences</i> , 2014, 141, 409-422.	3.1	8
33	Genetic associations of breast and prostate cancer are enriched for regulatory elements identified in disease-related tissues. <i>Human Genetics</i> , 2019, 138, 1091-1104.	3.8	7
34	Whole genome methylation and transcriptome analyses to identify risk for cerebral palsy (CP) in extremely low gestational age neonates (ELGAN). <i>Scientific Reports</i> , 2021, 11, 5305.	3.3	7
35	Impact of processing methods on urinary biomarkers analysis in neonates. <i>Pediatric Nephrology</i> , 2018, 33, 181-186.	1.7	5
36	Paraoxonase 2 deficiency in mice alters motor behavior and causes region-specific transcript changes in the brain. <i>Neurotoxicology and Teratology</i> , 2021, 87, 107010.	2.4	5

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37	Extracellular vesicle microRNAs as predictors of response to omalizumab in chronic spontaneous urticaria. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1274-1277.	5.7	4
38	Associations of plasma miRNAs with waist circumference and insulin resistance among women with polycystic ovary syndrome – Pilot study. <i>Molecular and Cellular Endocrinology</i> , 2022, 554, 111723.	3.2	4
39	Temporal changes in the brain lipidome during neurodevelopment of Smith–Lemli–Opitz syndrome mice. <i>Analyst, The</i> , 2022, , .	3.5	2
40	Unique basophil microRNA signature in chronic spontaneous urticaria patients who respond to omalizumab. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1648-1652.	2.9	1
41	Associations of prenatal exposure to NO ₂ and near roadway residence with placental gene expression. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0