James W Macdonald

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37 papers	2,715 citations	16 h-index	43 g-index
43 ext. papers	3,794 ext. citations	6.3 avg, IF	4.22 L-index

#	Paper	IF	Citations
37	Spiny mice activate unique transcriptional programs after severe kidney injury regenerating organ function without fibrosis. *IScience*, **2021**, 24, 103269	6.1	2
36	Persistence of improved glucose homeostasis in Gclm null mice with age and cadmium treatment.. *Redox Biology*, **2021**, 49, 102213	11.3	0
35	Epigenome-wide analysis of long-term air pollution exposure and DNA methylation in monocytes: results from the Multi-Ethnic Study of Atherosclerosis. *Epigenetics*, **2021**, 1-17	5.7	2
34	Extracellular vesicle microRNAs as predictors of response to omalizumab in chronic spontaneous urticaria. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 1274-1277	9.3	2
33	Whole genome methylation and transcriptome analyses to identify risk for cerebral palsy (CP) in extremely low gestational age neonates (ELGAN). *Scientific Reports*, **2021**, 11, 5305	4.9	2
32	Neonatal Exposure to BPA, BDE-99, and PCB Produces Persistent Changes in Hepatic Transcriptome Associated With Gut Dysbiosis in Adult Mouse Livers. *Toxicological Sciences*, **2021**, 184, 83-103	4.4	3
31	Paraoxonase 2 deficiency in mice alters motor behavior and causes region-specific transcript changes in the brain. *Neurotoxicology and Teratology*, **2021**, 87, 107010	3.9	1
30	Unique basophil microRNA signature in chronic spontaneous urticaria patients who respond to omalizumab. *Clinical and Experimental Allergy*, **2021**, 51, 1648-1652	4.1	0
29	Transcriptome data of temporal and cingulate cortex in the Rett syndrome brain. *Scientific Data*, **2020**, 7, 192	8.2	2
28	Short Report: Circulating microRNAs are associated with incident diabetes over 10 years in Japanese Americans. *Scientific Reports*, **2020**, 10, 6509	4.9	7
27	Genetic associations of breast and prostate cancer are enriched for regulatory elements identified in disease-related tissues. *Human Genetics*, **2019**, 138, 1091-1104	6.3	6
26	α7 Nicotinic Acetylcholine Receptor Signaling Modulates Ovine Fetal Brain Astrocytes Transcriptome in Response to Endotoxin. *Frontiers in Immunology*, **2019**, 10, 1063	8.4	10
25	Autophagy accounts for approximately one-third of mitochondrial protein turnover and is protein selective. *Autophagy*, **2019**, 15, 1592-1605	10.2	20
24	Dried blood spot compared to plasma measurements of blood-based biomarkers of brain injury in neonatal encephalopathy. *Pediatric Research*, **2019**, 85, 655-661	3.2	7
23	Genomic and transcriptomic association studies identify 16 novel susceptibility loci for venous thromboembolism. *Blood*, **2019**, 134, 1645-1657	2.2	63
22	PI3K-Yap activity drives cortical gyrification and hydrocephalus in mice. *ELife*, **2019**, 8,	8.9	14
21	Elevated CO impairs olfactory-mediated neural and behavioral responses and gene expression in ocean-phase coho salmon (Oncorhynchus kisutch). *Global Change Biology*, **2019**, 25, 963-977	11.4	45

20	Evidence of cardiac involvement in the fetal inflammatory response syndrome: disruption of gene networks programming cardiac development in nonhuman primates. *American Journal of Obstetrics and Gynecology*, **2018**, 218, 438.e1-438.e16	6.4	15
19	Human Cervical Mucus Plugs Exhibit Insufficiencies in Antimicrobial Activity Towards Group B Streptococcus. *Journal of Infectious Diseases*, **2018**, 217, 1626-1636	7	10
18	Impact of processing methods on urinary biomarkers analysis in neonates. *Pediatric Nephrology*, **2018**, 33, 181-186	3.2	3
17	The Epigenetic Factor Landscape of Developing Neocortex Is Regulated by Transcription Factors Pax6-Tbr2-Tbr1. *Frontiers in Neuroscience*, **2018**, 12, 571	5.1	24
16	Human Organ-Specific Endothelial Cell Heterogeneity. *IScience*, **2018**, 4, 20-35	6.1	115
15	Genetic determinants of susceptibility to silver nanoparticle-induced acute lung inflammation in mice. *FASEB Journal*, **2017**, 31, 4600-4611	0.9	17
14	exposure to diesel exhaust particulates is associated with an altered cardiac transcriptional response to transverse aortic constriction and altered DNA methylation. *FASEB Journal*, **2017**, 31, 4935-4945	0.9	19
13	From the Cover: Cadmium Exposure Differentially Alters Odorant-Driven Behaviors and Expression of Olfactory Receptors in Juvenile Coho Salmon (Oncorhynchus kisutch). *Toxicological Sciences*, **2016**, 154, 267-277	4.4	10
12	Group B Streptococcus circumvents neutrophils and neutrophil extracellular traps during amniotic cavity invasion and preterm labor. *Science Immunology*, **2016**, 1,	28	52
11	Long-term outdoor air pollution and DNA methylation in circulating monocytes: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Environmental Health*, **2016**, 15, 119	6	44
10	Silymarin Suppresses Cellular Inflammation By Inducing Reparative Stress Signaling. *Journal of Natural Products*, **2015**, 78, 1990-2000	4.9	32
9	Choriodecidual Group B Streptococcal Infection Induces miR-155-5p in the Fetal Lung in Macaca nemestrina. *Infection and Immunity*, **2015**, 83, 3909-17	3.7	20
8	Transcriptional analysis of human cranial compartments with different embryonic origins. *Archives of Oral Biology*, **2015**, 60, 1450-60	2.8	11
7	A Combination Therapy of Nicotinamide and Progesterone Improves Functional Recovery following Traumatic Brain Injury. *Journal of Neurotrauma*, **2015**, 32, 765-79	5.4	23
6	Network analysis of microRNA and mRNA seasonal dynamics in a highly plastic sensorimotor neural circuit. *BMC Genomics*, **2015**, 16, 905	4.5	10
5	Histone Deacetylase Inhibitors Antagonize Distinct Pathways to Suppress Tumorigenesis of Embryonal Rhabdomyosarcoma. *PLoS ONE*, **2015**, 10, e0144320	3.7	29
4	Uterine overdistention induces preterm labor mediated by inflammation: observations in pregnant women and nonhuman primates. *American Journal of Obstetrics and Gynecology*, **2015**, 213, 830.e1-830.e19	6.4	85
3	Infant sex-specific placental cadmium and DNA methylation associations. *Environmental Research*, **2015**, 138, 74-81	7.9	52

2	Orchestrating high-throughput genomic analysis with Bioconductor. *Nature Methods*, **2015**, 12, 115-21	21.6	1949
1	Repeated gestational exposure of mice to chlorpyrifos oxon is associated with paraoxonase 1 (PON1) modulated effects in maternal and fetal tissues. *Toxicological Sciences*, **2014**, 141, 409-22	4.4	8