

James W Macdonald

List of Publications by Citations

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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	Orchestrating high-throughput genomic analysis with Bioconductor. <i>Nature Methods</i> , 2015 , 12, 115-21	21.6	1949
36	Human Organ-Specific Endothelial Cell Heterogeneity. <i>IScience</i> , 2018 , 4, 20-35	6.1	115
35	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.e14	6.4	85
34	Genomic and transcriptomic association studies identify 16 novel susceptibility loci for venous thromboembolism. <i>Blood</i> , 2019 , 134, 1645-1657	2.2	63
33	Infant sex-specific placental cadmium and DNA methylation associations. <i>Environmental Research</i> , 2015 , 138, 74-81	7.9	52
32	Group B Streptococcus circumvents neutrophils and neutrophil extracellular traps during amniotic cavity invasion and preterm labor. <i>Science Immunology</i> , 2016 , 1,	28	52
31	Elevated CO 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	11.4	45
30	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	6	44
29	Silymarin Suppresses Cellular Inflammation By Inducing Reparative Stress Signaling. <i>Journal of Natural Products</i> , 2015 , 78, 1990-2000	4.9	32
28	Histone Deacetylase Inhibitors Antagonize Distinct Pathways to Suppress Tumorigenesis of Embryonal Rhabdomyosarcoma. <i>PLoS ONE</i> , 2015 , 10, e0144320	3.7	29
27	The Epigenetic Factor Landscape of Developing Neocortex Is Regulated by Transcription Factors Pax6- <i>Wbr2-Wbr1</i> . <i>Frontiers in Neuroscience</i> , 2018 , 12, 571	5.1	24
26	A Combination Therapy of Nicotinamide and Progesterone Improves Functional Recovery following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015 , 32, 765-79	5.4	23
25	Autophagy accounts for approximately one-third of mitochondrial protein turnover and is protein selective. <i>Autophagy</i> , 2019 , 15, 1592-1605	10.2	20
24	Choriodecidual Group B Streptococcal Infection Induces miR-155-5p in the Fetal Lung in Macaca nemestrina. <i>Infection and Immunity</i> , 2015 , 83, 3909-17	3.7	20
23	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	8.9	19
22	Genetic determinants of susceptibility to silver nanoparticle-induced acute lung inflammation in mice. <i>FASEB Journal</i> , 2017 , 31, 4600-4611	0.9	17
21	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	6.4	15

20	PI3K-Yap activity drives cortical gyrification and hydrocephalus in mice. <i>ELife</i> , 2019 , 8,	8.9	14
19	Transcriptional analysis of human cranial compartments with different embryonic origins. <i>Archives of Oral Biology</i> , 2015 , 60, 1450-60	2.8	11
18	▯ Nicotinic Acetylcholine Receptor Signaling Modulates Ovine Fetal Brain Astrocytes Transcriptome in Response to Endotoxin. <i>Frontiers in Immunology</i> , 2019 , 10, 1063	8.4	10
17	Human Cervical Mucus Plugs Exhibit Insufficiencies in Antimicrobial Activity Towards Group B Streptococcus. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1626-1636	7	10
16	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	4.4	10
15	Network analysis of microRNA and mRNA seasonal dynamics in a highly plastic sensorimotor neural circuit. <i>BMC Genomics</i> , 2015 , 16, 905	4.5	10
14	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, 409-22	4.4	8
13	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	3.2	7
12	Short Report: Circulating microRNAs are associated with incident diabetes over 10 years in Japanese Americans. <i>Scientific Reports</i> , 2020 , 10, 6509	4.9	7
11	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	6.3	6
10	Impact of processing methods on urinary biomarkers analysis in neonates. <i>Pediatric Nephrology</i> , 2018 , 33, 181-186	3.2	3
9	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	4.4	3
8	Transcriptome data of temporal and cingulate cortex in the Rett syndrome brain. <i>Scientific Data</i> , 2020 , 7, 192	8.2	2
7	Spiny mice activate unique transcriptional programs after severe kidney injury regenerating organ function without fibrosis. <i>IScience</i> , 2021 , 24, 103269	6.1	2
6	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> , 2021 , 1-17	5.7	2
5	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	9.3	2
4	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	4.9	2
3	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	3.9	1

- 2 Persistence of improved glucose homeostasis in Gclm null mice with age and cadmium treatment..
Redox Biology, **2021**, 49, 102213 11.3 ○
- 1 Unique basophil microRNA signature in chronic spontaneous urticaria patients who respond to
omalizumab. *Clinical and Experimental Allergy*, **2021**, 51, 1648-1652 4.1 ○