

Shaun D Roman

List of Publications by Year in descending order

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47
papers

2,380
citations

257101

24
h-index

223531

46
g-index

47
all docs

47
docs citations

47
times ranked

3257
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant Systems and Oxidative Stress in the Testes. <i>Oxidative Medicine and Cellular Longevity</i> , 2008, 1, 15-24.	1.9	570
2	miRNA and mammalian male germ cells. <i>Human Reproduction Update</i> , 2012, 18, 44-59.	5.2	134
3	Transgenerational inheritance: how impacts to the epigenetic and genetic information of parents affect offspring health. <i>Human Reproduction Update</i> , 2019, 25, 519-541.	5.2	123
4	Advances in human primordial follicle activation and premature ovarian insufficiency. <i>Reproduction</i> , 2020, 159, R15-R29.	1.1	103
5	CXCR4/SDF1 interaction inhibits the primordial to primary follicle transition in the neonatal mouse ovary. <i>Developmental Biology</i> , 2006, 293, 449-460.	0.9	99
6	Analysis of the mechanism by which calcium negatively regulates the tyrosine phosphorylation cascade associated with sperm capacitation. <i>Journal of Cell Science</i> , 2004, 117, 211-222.	1.2	93
7	Jumping the gun: Smoking constituent BaP causes premature primordial follicle activation and impairs oocyte fusibility through oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2012, 260, 70-80.	1.3	83
8	Preferential Stimulation of Human Progesterone Receptor B Expression by Estrogen in T-47D Human Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 30693-30700.	1.6	75
9	Vitamin A regulation of BMP4 expression in the male germ line. <i>Developmental Biology</i> , 2005, 286, 78-90.	0.9	74
10	Expression of c-Kit receptor mRNA and protein in the developing, adult and irradiated rodent testis. <i>Reproduction</i> , 2006, 131, 489-499.	1.1	70
11	A Unique Combination of Male Germ Cell miRNAs Coordinates Gonocyte Differentiation. <i>PLoS ONE</i> , 2012, 7, e35553.	1.1	70
12	Autophagy in Female Fertility: A Role in Oxidative Stress and Aging. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 550-568.	2.5	67
13	Understanding the Villain: DMBA-Induced Preantral Ovotoxicity Involves Selective Follicular Destruction and Primordial Follicle Activation through PI3K/Akt and mTOR Signaling. <i>Toxicological Sciences</i> , 2011, 123, 563-575.	1.4	60
14	Removal of LIF (leukemia inhibitory factor) results in increased vitamin A (retinol) metabolism to 4-oxoretinol in embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13524-13529.	3.3	59
15	Staying Alive: PI3K Pathway Promotes Primordial Follicle Activation and Survival in Response to 3MC-Induced Ovotoxicity. <i>Toxicological Sciences</i> , 2012, 128, 258-271.	1.4	55
16	Relative susceptibilities of mitochondrial and nuclear DNA to damage induced by hydrogen peroxide in two mouse germ cell lines. <i>Redox Report</i> , 2001, 6, 182-184.	1.4	54
17	Adding Insult to Injury: Effects of Xenobiotic-Induced Preantral Ovotoxicity on Ovarian Development and Oocyte Fusibility. <i>Toxicological Sciences</i> , 2010, 118, 653-666.	1.4	51
18	Chronic Exposure to Acrylamide Induces DNA Damage in Male Germ Cells of Mice. <i>Toxicological Sciences</i> , 2012, 129, 135-145.	1.4	47

#	ARTICLE	IF	CITATIONS
19	Dynamin Regulates Specific Membrane Fusion Events Necessary for Acrosomal Exocytosis in Mouse Spermatozoa. <i>Journal of Biological Chemistry</i> , 2012, 287, 37659-37672.	1.6	45
20	Paternal impacts on development: identification of genomic regions vulnerable to oxidative DNA damage in human spermatozoa. <i>Human Reproduction</i> , 2019, 34, 1876-1890.	0.4	43
21	Suppressor of cytokine signaling 4 (SOCS4): Moderator of ovarian primordial follicle activation. <i>Journal of Cellular Physiology</i> , 2012, 227, 1188-1198.	2.0	38
22	The chemokine CXCL12 and its receptor CXCR4 are implicated in human seminoma metastasis. <i>Andrology</i> , 2013, 1, 517-529.	1.9	37
23	Chronic acrylamide exposure in male mice induces DNA damage to spermatozoa; Potential for amelioration by resveratrol. <i>Reproductive Toxicology</i> , 2016, 63, 1-12.	1.3	30
24	Mouse Spermatocytes Express CYP2E1 and Respond to Acrylamide Exposure. <i>PLoS ONE</i> , 2014, 9, e94904.	1.1	29
25	The genetic consequences of paternal acrylamide exposure and potential for amelioration. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 777, 91-100.	0.4	24
26	Glycogen synthase kinase 3 regulates acrosomal exocytosis in mouse spermatozoa via dynamin phosphorylation. <i>FASEB Journal</i> , 2015, 29, 2872-2882.	0.2	22
27	Chronic Acrylamide Exposure in Male Mice Results in Elevated DNA Damage in the Germline and Heritable Induction of CYP2E1 in the Testes. <i>Biology of Reproduction</i> , 2016, 95, 86-86.	1.2	22
28	Acrylamide modulates the mouse epididymal proteome to drive alterations in the sperm small non-coding RNA profile and dysregulate embryo development. <i>Cell Reports</i> , 2021, 37, 109787.	2.9	22
29	Adenylyl cyclase isoforms in rat testis and spermatozoa from the cauda epididymidis. <i>Cell and Tissue Research</i> , 2003, 314, 411-419.	1.5	19
30	The association between reproductive health smartphone applications and fertility knowledge of Australian women. <i>BMC Women's Health</i> , 2020, 20, 45.	0.8	19
31	Male reproductive health and the environment. <i>Medical Journal of Australia</i> , 2006, 185, 414-415.	0.8	16
32	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 487-503.	2.5	16
33	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100107.	2.5	16
34	The rise of testicular germ cell tumours: the search for causes, risk factors and novel therapeutic targets. <i>F1000Research</i> , 2013, 2, 55.	0.8	15
35	Epididymal CYP2E1 plays a critical role in acrylamide-induced DNA damage in spermatozoa and paternally mediated embryonic resorptions. <i>Biology of Reproduction</i> , 2017, 96, 921-935.	1.2	10
36	The Impact of Aging on Macroautophagy in the Pre-ovulatory Mouse Oocyte. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 691826.	1.8	10

#	ARTICLE	IF	CITATIONS
37	A novel germ cell protein, SPIF (sperm PKA interacting factor), is essential for the formation of a PKA/TCP11 complex that undergoes conformational and phosphorylation changes upon capacitation. <i>FASEB Journal</i> , 2016, 30, 2777-2791.	0.2	9
38	A novel role for milk fat globule-associated factor 8 protein (MFGE8) in the mediation of mouse sperm-extracellular vesicle interactions. <i>Proteomics</i> , 2021, 21, e2000079.	1.3	9
39	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. <i>BMC Genomics</i> , 2021, 22, 728.	1.2	7
40	Assessment of the Emerging Threat Posed by Perfluoroalkyl and Polyfluoroalkyl Substances to Male Reproduction in Humans. <i>Frontiers in Endocrinology</i> , 2021, 12, 799043.	1.5	7
41	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile. <i>Reproduction, Fertility and Development</i> , 2021, 33, 540-554.	0.1	6
42	Identification and characterization of a novel splice variant of mouse and rat cytochrome b5/cytochrome b5 reductase. <i>Genomics</i> , 2004, 83, 425-438.	1.3	5
43	Identification and characterization of a novel Mt-retrotransposon highly represented in the female mouse germline. <i>Genomics</i> , 2006, 87, 490-499.	1.3	5
44	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. <i>PLoS ONE</i> , 2018, 13, e0195003.	1.1	5
45	Transcriptomic profiling of neonatal mouse granulosa cells reveals new insights into primordial follicle activation. <i>Biology of Reproduction</i> , 2022, 106, 503-514.	1.2	5
46	A scoping review of the information provided by fertility smartphone applications. <i>Human Fertility</i> , 2022, 25, 625-639.	0.7	1
47	Quantitative proteomic dataset of mouse caput epididymal epithelial cells exposed to acrylamide in vivo. <i>Data in Brief</i> , 2022, 42, 108032.	0.5	1