

# Zamira Gibb

## List of Publications by Citations

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38  
papers

946  
citations

15  
h-index

30  
g-index

54  
ext. papers

1,199  
ext. citations

2.6  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
38	Causes and consequences of oxidative stress in spermatozoa. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 1-10	1.8	196
37	Sperm motility is lost in vitro as a consequence of mitochondrial free radical production and the generation of electrophilic aldehydes but can be significantly rescued by the presence of nucleophilic thiols. <i>Biology of Reproduction</i> , <b>2012</b> , 87, 110	3.9	120
36	The paradoxical relationship between stallion fertility and oxidative stress. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 77	3.9	116
35	Quercetin improves the postthaw characteristics of cryopreserved sex-sorted and nonsorted stallion sperm. <i>Theriogenology</i> , <b>2013</b> , 79, 1001-9	2.8	56
34	Investigation of the stallion sperm proteome by mass spectrometry. <i>Reproduction</i> , <b>2015</b> , 149, 235-44	3.8	49
33	L-carnitine and pyruvate are prosurvival factors during the storage of stallion spermatozoa at room temperature. <i>Biology of Reproduction</i> , <b>2015</b> , 93, 104	3.9	43
32	The Impact of Sperm Metabolism during In Vitro Storage: The Stallion as a Model. <i>BioMed Research International</i> , <b>2016</b> , 2016, 9380609	3	38
31	Capacitation in the presence of methyl- $\beta$ -cyclodextrin results in enhanced zona pellucida-binding ability of stallion spermatozoa. <i>Reproduction</i> , <b>2014</b> , 147, 153-66	3.8	37
30	Characterization of an L-amino acid oxidase in equine spermatozoa. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 125	3.9	36
29	Stallion fertility: a focus on the spermatozoon. <i>Equine Veterinary Journal</i> , <b>2015</b> , 47, 16-24	2.4	29
28	Rosiglitazone Improves Stallion Sperm Motility, ATP Content, and Mitochondrial Function. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 107	3.9	26
27	Aldehyde Dehydrogenase Plays a Pivotal Role in the Maintenance of Stallion Sperm Motility. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 133	3.9	24
26	Use of a defined diluent increases the sex-sorting efficiency of stallion sperm. <i>Theriogenology</i> , <b>2011</b> , 75, 610-9	2.8	22
25	From Peptide Masses to Pregnancy Maintenance: A Comprehensive Proteomic Analysis of The Early Equine Embryo Secretome, Blastocoel Fluid, and Capsule. <i>Proteomics</i> , <b>2017</b> , 17, 1600433	4.8	20
24	Electrophilic aldehyde products of lipid peroxidation selectively adduct to heat shock protein 90 and arylsulfatase A in stallion spermatozoa. <i>Biology of Reproduction</i> , <b>2017</b> , 96, 107-121	3.9	16
23	Dimethyl formamide improves the postthaw characteristics of sex-sorted and nonsorted stallion sperm. <i>Theriogenology</i> , <b>2013</b> , 79, 1027-33	2.8	13
22	Recent Developments in Stallion Semen Preservation. <i>Journal of Equine Veterinary Science</i> , <b>2016</b> , 43, S29-S36	1.2	12

21	What makes a fertile sperm? Unique molecular attributes of stallion fertility. <i>Reproduction</i> , <b>2019</b> , 158, R125-R137	3.8	12
20	Functions and effects of reactive oxygen species in male fertility. <i>Animal Reproduction Science</i> , <b>2020</b> , 220, 106456	2.1	8
19	The John Hughes Memorial Lecture: Aspects of Sperm Physiology, Oxidative Stress and the Functionality of Stallion Spermatozoa. <i>Journal of Equine Veterinary Science</i> , <b>2014</b> , 34, 17-27	1.2	8
18	Mass spectrometry reveals distinct proteomic profiles in high- and low-quality stallion spermatozoa. <i>Reproduction</i> , <b>2020</b> , 160, 695-707	3.8	8
17	Depletion of thiols leads to redox deregulation, production of 4-hydroxynonenal and sperm senescence: a possible role for GSH regulation in spermatozoa. <i>Biology of Reproduction</i> , <b>2019</b> , 100, 1090-1107	3.9	7
16	The serine protease testisin is present on the surface of capacitated stallion spermatozoa and interacts with key zona pellucida binding proteins. <i>Andrology</i> , <b>2019</b> , 7, 199-212	4.2	7
15	Field fertility of liquid stored and cryopreserved flow cytometrically sex-sorted stallion sperm. <i>Equine Veterinary Journal</i> , <b>2017</b> , 49, 160-166	2.4	6
14	Improvements in the fertility of cryopreserved, sex-sorted stallion sperm after low-dose hysteroscopic insemination. <i>Journal of Equine Veterinary Science</i> , <b>2012</b> , 32, 417-418	1.2	4
13	Patterns of MTT reduction in mammalian spermatozoa. <i>Reproduction</i> , <b>2020</b> , 160, 431-445	3.8	4
12	Evidence that extrapancreatic insulin production is involved in the mediation of sperm survival. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 526, 111193	4.4	3
11	The future of assessing bull fertility: Can the omics fields identify usable biomarkers?. <i>Biology of Reproduction</i> , <b>2022</b> ,	3.9	2
10	The Safety, Tolerability and Efficacy of Probiotic Bacteria for Equine Use. <i>Journal of Equine Veterinary Science</i> , <b>2021</b> , 99, 103407	1.2	2
9	The role of endogenous antioxidants in male animal fertility. <i>Research in Veterinary Science</i> , <b>2021</b> , 136, 495-502	2.5	2
8	Supplementing media with NAD precursors enhances the in vitro maturation of porcine oocytes. <i>Journal of Reproduction and Development</i> , <b>2021</b> , 67, 319-326	2.1	2
7	Insights into the NAD biosynthesis pathways involved during meiotic maturation and spindle formation in porcine oocytes.. <i>Journal of Reproduction and Development</i> , <b>2022</b> ,	2.1	2
6	Physiological and Pathological Aspects of Sperm Metabolism		1
5	Nicotinic acid supplementation at a supraphysiological dose increases the bioavailability of NAD precursors in mares. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2021</b> , 105, 1154-1164	2.6	1
4	Glycerophospholipids protect stallion spermatozoa from oxidative damage .. <i>Reproduction and Fertility</i> , <b>2021</b> , 2, 199-209	1.1	1

3	Sperm oxidative stress in the context of male infertility: current evidence, links with genetic and epigenetic factors and future clinical needs.. <i>Minerva Endocrinology</i> , <b>2022</b> ,	2.5	1
2	Supplemental Nicotinic Acid Elevates NAD+ Precursors in the Follicular Fluid of Mares. <i>Animals</i> , <b>2022</b> , 12, 1383	3.1	1
1	Conception and early pregnancy in the mare: lipidomics the unexplored frontier.. <i>Reproduction and Fertility</i> , <b>2022</b> , 3, R1-R18	1.1	0