

# Roger G Sturmey

## 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.

42  
papers

1,480  
citations

18  
h-index

38  
g-index

47  
ext. papers

1,780  
ext. citations

4.5  
avg, IF

4.7  
L-index

#	Paper	IF	Citations
42	Metabolism of the viable mammalian embryo: quietness revisited. <i>Molecular Human Reproduction</i> , <b>2008</b> , 14, 667-72	4.4	185
41	Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. <i>PLoS ONE</i> , <b>2011</b> , 6, e23183	3.7	172
40	Female reproductive tract fluids: composition, mechanism of formation and potential role in the developmental origins of health and disease. <i>Reproduction, Fertility and Development</i> , <b>2008</b> , 20, 1-8	1.8	134
39	The role of fatty acids in oocyte and early embryo development. <i>Reproduction, Fertility and Development</i> , <b>2011</b> , 24, 59-67	1.8	121
38	Human embryos from overweight and obese women display phenotypic and metabolic abnormalities. <i>Human Reproduction</i> , <b>2015</b> , 30, 122-32	5.7	108
37	Embryo viability and metabolism: obeying the quiet rules. <i>Human Reproduction</i> , <b>2007</b> , 22, 3047-50	5.7	101
36	DNA damage and metabolic activity in the preimplantation embryo. <i>Human Reproduction</i> , <b>2009</b> , 24, 81-91	3.7	82
35	Amino acids in the uterine luminal fluid reflects the temporal changes in transporter expression in the endometrium and conceptus during early pregnancy in cattle. <i>PLoS ONE</i> , <b>2014</b> , 9, e100010	3.7	64
34	Biological optimization, the Goldilocks principle, and how much is lagom in the preimplantation embryo. <i>Molecular Reproduction and Development</i> , <b>2016</b> , 83, 748-754	2.6	47
33	Parallels between embryo and cancer cell metabolism. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 664-9	5.1	45
32	A simple approach for CONsumption and RElease (CORE) analysis of metabolic activity in single mammalian embryos. <i>PLoS ONE</i> , <b>2013</b> , 8, e67834	3.7	42
31	Good practice recommendations for the use of time-lapse technology. <i>Human Reproduction Open</i> , <b>2020</b> , 2020, hoaa008	6.1	40
30	Applying metabolomic analyses to the practice of embryology: physiology, development and assisted reproductive technology. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 602-20	1.8	32
29	The enigmatic morula: mechanisms of development, cell fate determination, self-correction and implications for ART. <i>Human Reproduction Update</i> , <b>2019</b> , 25, 422-438	15.8	30
28	Human cell dedifferentiation in mesenchymal condensates through controlled autophagy. <i>Scientific Reports</i> , <b>2015</b> , 5, 13113	4.9	28
27	Variable imprinting of the MEST gene in human preimplantation embryos. <i>European Journal of Human Genetics</i> , <b>2013</b> , 21, 40-7	5.3	26
26	Metabolic heterogeneity during preimplantation development: the missing link?. <i>Human Reproduction Update</i> , <b>2014</b> , 20, 632-40	15.8	24

25	Effect of metabolic status on conceptus-maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptome. <i>Biology of Reproduction</i> , <b>2017</b> , 97, 413-425	3.9	15
24	Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos. <i>Scientific Reports</i> , <b>2019</b> , 9, 16778	4.9	14
23	Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. <i>Reproduction</i> , <b>2019</b> , 158, 85-94	3.8	14
22	Expression and localization of creatine kinase in the preimplantation embryo. <i>Molecular Reproduction and Development</i> , <b>2013</b> , 80, 185-92	2.6	13
21	Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 92	3.9	12
20	Modelling oviduct fluid formation in vitro. <i>Reproduction</i> , <b>2016</b> ,	3.8	12
19	Spatial and Pregnancy-Related Changes in the Protein, Amino Acid, and Carbohydrate Composition of Bovine Oviduct Fluid. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
18	Effect of lactation on conceptus-maternal interactions at the initiation of implantation in cattle: I. Effects on the conceptus transcriptome and amino acid composition of the uterine luminal fluid. <i>Biology of Reproduction</i> , <b>2017</b> , 97, 798-809	3.9	7
17	Expression and function of transient receptor potential channels in the female bovine reproductive tract. <i>Theriogenology</i> , <b>2016</b> , 86, 551-61	2.8	6
16	Measurement of Glutathione as a Tool for Oxidative Stress Studies by High Performance Liquid Chromatography. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
15	Genistein crosses the bioartificial oviduct and alters secretion composition. <i>Reproductive Toxicology</i> , <b>2017</b> , 71, 63-70	3.4	5
14	Intraovarian injection of platelet-rich plasma in assisted reproduction: too much too soon?. <i>Human Reproduction</i> , <b>2021</b> , 36, 1737-1750	5.7	4
13	Going to extremes: the Goldilocks/Lagom principle and data distribution. <i>BMJ Open</i> , <b>2019</b> , 9, e027767	3	4
12	The comparative effects of intravenous iron on oxidative stress and inflammation in patients with chronic kidney disease and iron deficiency: a randomized controlled pilot study. <i>Kidney Research and Clinical Practice</i> , <b>2021</b> , 40, 89-98	3.6	3
11	Glucose concentration during equine in vitro maturation alters mitochondrial function. <i>Reproduction</i> , <b>2020</b> , 160, 227-237	3.8	2
10	Amino Acids and the Early Mammalian Embryo: Origin, Fate, Function and Life-Long Legacy. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
9	Metabolomic Screening of Embryos to Enhance Successful Selection and Transfer <b>2019</b> , 295-304		1
8	Metabolic profile of in vitro derived human embryos is not affected by the mode of fertilization. <i>Molecular Human Reproduction</i> , <b>2020</b> , 26, 277-287	4.4	1

- 7 Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos 1
- 6 Amino Acid Turnover as a Biomarker of Embryo Viability **2012**, 431-438 1
- 5 Amino Acid Turnover as a Biomarker of Embryo Viability **2019**, 549-556
- 4 Reply: Is there a role for platelets in female reproduction.. *Human Reproduction*, **2021**, 5:7
- 3 Amino Acid Turnover as a Biomarker of Embryo Viability **2013**, 353-365
- 2 Hypoxanthine phosphoribosyltransferase (HPRT)-deficiency is associated with impaired fertility in the female rat. *Molecular Reproduction and Development*, **2020**, 87, 930-933 2.6
- 1 Embryo Metabolism and What Does the Embryo Need? **2021**, 30-41