# Roger G Sturmey

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

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|---|---|---|---|
| 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 | Reply: Is there a role for platelets in female reproduction.. *Human Reproduction*, **2021**, | 5.7 | |
| 41 | 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. *Kidney Research and Clinical Practice*, **2021**, 40, 89-98 | 3.6 | 3 |
| 40 | Intraovarian injection of platelet-rich plasma in assisted reproduction: too much too soon?. *Human Reproduction*, **2021**, 36, 1737-1750 | 5.7 | 4 |
| 39 | Embryo Metabolism and What Does the Embryo Need? **2021**, 30-41 | | |
| 38 | Amino Acids and the Early Mammalian Embryo: Origin, Fate, Function and Life-Long Legacy. *International Journal of Environmental Research and Public Health*, **2021**, 18, | 4.6 | 2 |
| 37 | Good practice recommendations for the use of time-lapse technology. *Human Reproduction Open*, **2020**, 2020, hoaa008 | 6.1 | 40 |
| 36 | Spatial and Pregnancy-Related Changes in the Protein, Amino Acid, and Carbohydrate Composition of Bovine Oviduct Fluid. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 7 |
| 35 | Metabolic profile of in vitro derived human embryos is not affected by the mode of fertilization. *Molecular Human Reproduction*, **2020**, 26, 277-287 | 4.4 | 1 |
| 34 | Glucose concentration during equine in vitro maturation alters mitochondrial function. *Reproduction*, **2020**, 160, 227-237 | 3.8 | 2 |
| 33 | Hypoxanthine phosphoribosyltransferase (HPRT)-deficiency is associated with impaired fertility in the female rat. *Molecular Reproduction and Development*, **2020**, 87, 930-933 | 2.6 | |
| 32 | Measurement of Glutathione as a Tool for Oxidative Stress Studies by High Performance Liquid Chromatography. *Molecules*, **2020**, 25, | 4.8 | 6 |
| 31 | The enigmatic morula: mechanisms of development, cell fate determination, self-correction and implications for ART. *Human Reproduction Update*, **2019**, 25, 422-438 | 15.8 | 30 |
| 30 | Metabolomic Screening of Embryos to Enhance Successful Selection and Transfer **2019**, 295-304 | | 1 |
| 29 | Amino Acid Turnover as a Biomarker of Embryo Viability **2019**, 549-556 | | |
| 28 | Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos. *Scientific Reports*, **2019**, 9, 16778 | 4.9 | 14 |
| 27 | Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. *Reproduction*, **2019**, 158, 85-94 | 3.8 | 14 |
| 26 | Going to extremes: the Goldilocks/Lagom principle and data distribution. *BMJ Open*, **2019**, 9, e027767 | 3 | 4 |

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| 25 | Genistein crosses the bioartificial oviduct and alters secretion composition. *Reproductive Toxicology* , **2017**, 71, 63-70 | 3.4 | 5 |
| 24 | Effect of metabolic status on conceptus-maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptome. *Biology of Reproduction*, **2017**, 97, 413-425 | 3.9 | 15 |
| 23 | 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. *Biology of Reproduction*, **2017**, 97, 798-809 | 3.9 | 7 |
| 22 | Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. *Biology of Reproduction*, **2016**, 95, 92 | 3.9 | 12 |
| 21 | Expression and function of transient receptor potential channels in the female bovine reproductive tract. *Theriogenology*, **2016**, 86, 551-61 | 2.8 | 6 |
| 20 | Modelling oviduct fluid formation in vitro. *Reproduction*, **2016**, | 3.8 | 12 |
| 19 | Biological optimization, the Goldilocks principle, and how much is lagom in the preimplantation embryo. *Molecular Reproduction and Development*, **2016**, 83, 748-754 | 2.6 | 47 |
| 18 | Applying metabolomic analyses to the practice of embryology: physiology, development and assisted reproductive technology. *Reproduction, Fertility and Development*, **2015**, 27, 602-20 | 1.8 | 32 |
| 17 | Human embryos from overweight and obese women display phenotypic and metabolic abnormalities. *Human Reproduction*, **2015**, 30, 122-32 | 5.7 | 108 |
| 16 | Human cell dedifferentiation in mesenchymal condensates through controlled autophagy. *Scientific Reports*, **2015**, 5, 13113 | 4.9 | 28 |
| 15 | Metabolic heterogeneity during preimplantation development: the missing link?. *Human Reproduction Update*, **2014**, 20, 632-40 | 15.8 | 24 |
| 14 | Amino acids in the uterine luminal fluid reflects the temporal changes in transporter expression in the endometrium and conceptus during early pregnancy in cattle. *PLoS ONE*, **2014**, 9, e100010 | 3.7 | 64 |
| 13 | Expression and localization of creatine kinase in the preimplantation embryo. *Molecular Reproduction and Development*, **2013**, 80, 185-92 | 2.6 | 13 |
| 12 | Parallels between embryo and cancer cell metabolism. *Biochemical Society Transactions*, **2013**, 41, 664-9 | 5.1 | 45 |
| 11 | Variable imprinting of the MEST gene in human preimplantation embryos. *European Journal of Human Genetics*, **2013**, 21, 40-7 | 5.3 | 26 |
| 10 | A simple approach for COnsumption and RElease (CORE) analysis of metabolic activity in single mammalian embryos. *PLoS ONE*, **2013**, 8, e67834 | 3.7 | 42 |
| 9 | Amino Acid Turnover as a Biomarker of Embryo Viability **2013**, 353-365 | | |
| 8 | Amino Acid Turnover as a Biomarker of Embryo Viability **2012**, 431-438 | | 1 |

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| 7 | The role of fatty acids in oocyte and early embryo development. *Reproduction, Fertility and Development*, **2011**, 24, 59-67 | 1.8 | 121 |
| 6 | Elevated non-esterified fatty acid concentrations during bovine oocyte maturation compromise early embryo physiology. *PLoS ONE*, **2011**, 6, e23183 | 3.7 | 172 |
| 5 | DNA damage and metabolic activity in the preimplantation embryo. *Human Reproduction*, **2009**, 24, 81-91 | 3.7 | 82 |
| 4 | Female reproductive tract fluids: composition, mechanism of formation and potential role in the developmental origins of health and disease. *Reproduction, Fertility and Development*, **2008**, 20, 1-8 | 1.8 | 134 |
| 3 | Metabolism of the viable mammalian embryo: quietness revisited. *Molecular Human Reproduction*, **2008**, 14, 667-72 | 4.4 | 185 |
| 2 | Embryo viability and metabolism: obeying the quiet rules. *Human Reproduction*, **2007**, 22, 3047-50 | 5.7 | 101 |
| 1 | Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos | | 1 |