Roger G Sturmey

List of Publications by Year
in descending order

46 papers	2,106 citations	361296 20 h-index	330025 37 g-index
47 all docs	47 docs citations	47 times ranked	2186 citing authors

#	Article	IF	Citations
1	Metabolism of the viable mammalian embryo: quietness revisited. Molecular Human Reproduction, 2008, 14, 667-672.	1.3	228
2	Elevated Non-Esterified Fatty Acid Concentrations during Bovine Oocyte Maturation Compromise Early Embryo Physiology. PLoS ONE, 2011, 6, e23183.	1.1	211
3	Human embryos from overweight and obese women display phenotypic and metabolic abnormalities. Human Reproduction, 2015, 30, 122-132.	0.4	171
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.	0.1	158
5	The role of fatty acids in oocyte and early embryo development. Reproduction, Fertility and Development, 2012, 24, 59.	0.1	152
6	Embryo viability and metabolism: obeying the quiet rules. Human Reproduction, 2007, 22, 3047-3050.	0.4	128
7	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.	1.1	101
8	Good practice recommendations for the use of time-lapse technologyâ€. Human Reproduction Open, 2020, 2020, hoaa008.	2.3	97
9	DNA damage and metabolic activity in the preimplantation embryo. Human Reproduction, 2008, 24, 81-91.	0.4	93
10	Assessing embryo viability by measurement of amino acid turnover. Reproductive BioMedicine Online, 2008, 17, 486-496.	1.1	83
11	Biological optimization, the Goldilocks principle, and how much islagomin the preimplantation embryo. Molecular Reproduction and Development, 2016, 83, 748-754.	1.0	66
12	Parallels between embryo and cancer cell metabolism. Biochemical Society Transactions, 2013, 41, 664-669.	1.6	61
13	A Simple Approach for COnsumption and RElease (CORE) Analysis of Metabolic Activity in Single Mammalian Embryos. PLoS ONE, 2013, 8, e67834.	1.1	55
14	The enigmatic morula: mechanisms of development, cell fate determination, self-correction and implications for ART. Human Reproduction Update, 2019, 25, 422-438.	5.2	53
15	Applying metabolomic analyses to the practice of embryology: physiology, development and assisted reproductive technology. Reproduction, Fertility and Development, 2015, 27, 602.	0.1	40
16	Variable imprinting of the MEST gene in human preimplantation embryos. European Journal of Human Genetics, 2013, 21, 40-47.	1.4	39
17	Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos. Scientific Reports, 2019, 9, 16778.	1.6	36
18	Metabolic heterogeneity during preimplantation development: the missing link?. Human Reproduction Update, 2014, 20, 632-640.	5.2	35

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19	Human cell dedifferentiation in mesenchymal condensates through controlled autophagy. Scientific Reports, 2015, 5, 13113.	1.6	35
20	Measurement of Glutathione as a Tool for Oxidative Stress Studies by High Performance Liquid Chromatography. Molecules, 2020, 25, 4196.	1.7	32
21	Intraovarian injection of platelet-rich plasma in assisted reproduction: too much too soon?. Human Reproduction, 2021, 36, 1737-1750.	0.4	23
22	Sexually Dimorphic Gene Expression in Bovine Conceptuses at the Initiation of Implantation. Biology of Reproduction, 2016, 95, 92-92.	1.2	20
23	Amino Acids and the Early Mammalian Embryo: Origin, Fate, Function and Life-Long Legacy. International Journal of Environmental Research and Public Health, 2021, 18, 9874.	1.2	20
24	Effect of metabolic status on conceptusâ€“maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptomeâ€. Biology of Reproduction, 2017, 97, 413-425.	1.2	19
25	Gene expression and metabolic response of bovine oviduct epithelial cells to the early embryo. Reproduction, 2019, 158, 85-94.	1.1	19
26	Spatial and Pregnancy-Related Changes in the Protein, Amino Acid, and Carbohydrate Composition of Bovine Oviduct Fluid. International Journal of Molecular Sciences, 2020, 21, 1681.	1.8	17
27	The Quiet Embryo Hypothesis: 20 years on. Frontiers in Physiology, 2022, 13, .	1.3	17
28	Modelling aspects of oviduct fluid formation in vitro. Reproduction, 2017, 153, 23-33.	1.1	15
29	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 fluidâ€. Biology of Reproduction, 2017, 97, 798-809.	1.2	15
30	Expression and localization of creatine kinase in the preimplantation embryo. Molecular Reproduction and Development, 2013, 80, 185-192.	1.0	14
31	Genistein crosses the bioartificial oviduct and alters secretion composition. Reproductive Toxicology, 2017, 71, 63-70.	1.3	11
32	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.	0.9	11
33	Going to extremes: the Goldilocks/Lagom principle and data distribution. BMJ Open, 2019, 9, e027767.	0.8	9
34	Expression and function of transient receptor potential channels in the female bovine reproductive tract. Theriogenology, 2016, 86, 551-561.	0.9	7
35	Glucose concentration during equine in vitro maturation alters mitochondrial function. Reproduction, 2020, 160, 227-237.	1.1	5
36	Metabolic profile of in vitro derived human embryos is not affected by the mode of fertilization. Molecular Human Reproduction, 2020, 26, 277-287.	1.3	4

#	Article	IF	Citations
37	Metabolomic Screening of Embryos to Enhance Successful Selection and Transfer. , 2019, , 295-304.		3
38	Amino Acid Turnover as a Biomarker of Embryo Viability. , 2012, , 431-438.		1
39	Practical Considerations of Dissolved Oxygen Levels for Platelet Function under Hypoxia. International Journal of Molecular Sciences, 2021, 22, 13223.	1.8	1
40	A developmental tale â€“ metabolism takes centre stage. Reproduction, Fertility and Development, 2015, 27, iii.	0.1	0
41	Amino Acid Turnover as a Biomarker of Embryo Viability. , 2019, , 549-556.		0
42	Hypoxanthine phosphoribosyltransferase (HPRT)â€deficiency is associated with impaired fertility in the female rat. Molecular Reproduction and Development, 2020, 87, 930-933.	1.0	0
43	Embryo Metabolism and What Does the Embryo Need?. , 2021, , 30-41.		0
44	Amino Acid Turnover as a Biomarker of Embryo Viability. , 2013, , 353-365.		0
45	Reply: Is there a role for platelets in female reproduction. Human Reproduction, 2022, 37, 385-385.	0.4	0
46	OUP accepted manuscript. Human Reproduction, 2022, , .	0.4	0