

# Tom A E Stout

## List of Publications by Year in Descending Order

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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.

82  
papers

1,492  
citations

22  
h-index

35  
g-index

93  
ext. papers

1,780  
ext. citations

3.2  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
82	Indications for and how to perform Caslick's operation in the mare. <i>UK-Vet Equine</i> , <b>2022</b> , 6, 6-10	0.2	
81	Success rate in a clinical equine in vitro embryo production program. <i>Theriogenology</i> , <b>2022</b> , 187, 215-2152.8		1
80	Bicarbonate-Stimulated Membrane Reorganization in Stallion Spermatozoa. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 772254	5.7	0
79	Lysophosphatidic Acid Accelerates Bovine In Vitro-Produced Blastocyst Formation through the Hippo/YAP Pathway. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
78	Compromised MPS1 Activity Induces Multipolar Spindle Formation in Oocytes From Aged Mares: Establishing the Horse as a Natural Animal Model to Study Age-Induced Oocyte Meiotic Spindle Instability. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 657366	5.7	3
77	Overfeeding Extends the Period of Annual Cyclicity but Increases the Risk of Early Embryonic Death in Shetland Pony Mares. <i>Animals</i> , <b>2021</b> , 11,	3.1	1
76	Effect of a long-term high-energy diet on cardiovascular parameters in Shetland pony mares. <i>Journal of Veterinary Internal Medicine</i> , <b>2021</b> , 35, 2427-2436	3.1	3
75	Dual spindles assemble in bovine zygotes despite the presence of paternal centrosomes. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	5
74	Effect of long-term overfeeding of a high-energy diet on glucose tolerance in Shetland pony mares. <i>Journal of Veterinary Internal Medicine</i> , <b>2020</b> , 34, 1339-1349	3.1	5
73	PIWIL3 Forms a Complex with TDRKH in Mammalian Oocytes. <i>Cells</i> , <b>2020</b> , 9,	7.9	6
72	Speed of in vitro embryo development affects the likelihood of foaling and the foal sex ratio. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 468-473	1.8	2
71	Microinjection induces changes in the transcriptome of bovine oocytes. <i>Scientific Reports</i> , <b>2020</b> , 10, 11214.9		0
70	Asynchronous Embryo Transfer Followed by Comparative Transcriptomic Analysis of Conceptus Membranes and Endometrium Identifies Processes Important to the Establishment of Equine Pregnancy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
69	Initiation of X Chromosome Inactivation during Bovine Embryo Development. <i>Cells</i> , <b>2020</b> , 9,	7.9	7
68	The horse as a natural model to study reproductive aging-induced aneuploidy and weakened centromeric cohesion in oocytes. <i>Aging</i> , <b>2020</b> , 12, 22220-22232	5.6	4
67	Monozygotic multiple pregnancies after transfer of single in vitro produced equine embryos. <i>Equine Veterinary Journal</i> , <b>2020</b> , 52, 258-261	2.4	4
66	Cellular Fragments in the Perivitelline Space Are Not a Predictor of Expanded Blastocyst Quality. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 616801	5.7	1

65	Failure to detect equid herpesvirus types 1 and 4 DNA in placentae and healthy new-born Thoroughbred foals. <i>Journal of the South African Veterinary Association</i> , <b>2019</b> , 90, e1-e5	0.8	
64	Mitochondrial DNA replication is initiated at blastocyst formation in equine embryos. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 570-578	1.8	10
63	Effect of the duration of estradiol priming prior to progesterone administration on endometrial gene expression in anestrus mares. <i>Theriogenology</i> , <b>2019</b> , 131, 96-105	2.8	5
62	The Effect of Different Flushing Media Used to Aspirate Follicles on the Outcome of a Commercial Ovum Pickup-ICSI Program in Mares. <i>Journal of Equine Veterinary Science</i> , <b>2019</b> , 75, 74-77	1.2	2
61	Advanced mare age impairs the ability of in vitro-matured oocytes to correctly align chromosomes on the metaphase plate. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 252-257	2.4	15
60	pH-dependent effects of procaine on equine gamete activation. <i>Biology of Reproduction</i> , <b>2019</b> , 101, 1056-1074	3.9	7
59	Vitrifying immature equine oocytes impairs their ability to correctly align the chromosomes on the MII spindle. <i>Reproduction, Fertility and Development</i> , <b>2019</b> ,	1.8	12
58	Single-stage reconstruction of third-degree perineal lacerations in horses under general anesthesia: Utrecht repair method. <i>Veterinary Surgery</i> , <b>2019</b> , 48, 1299-1308	1.7	1
57	Combined addition of superoxide dismutase, catalase and glutathione peroxidase improves quality of cooled stored stallion semen. <i>Animal Reproduction Science</i> , <b>2019</b> , 210, 106195	2.1	14
56	Update on mammalian sperm capacitation: how much does the horse differ from other species?. <i>Reproduction</i> , <b>2019</b> , 157, R181-R197	3.8	29
55	In vitro production of horse embryos predisposes to micronucleus formation, whereas time to blastocyst formation affects likelihood of pregnancy. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 1830-1839	1.8	3
54	Mare and stallion effects on blastocyst production in a commercial equine ovum pick-up-intracytoplasmic sperm injection program. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 1894-1903	1.8	4
53	In vitro-produced horse embryos exhibit a very narrow window of acceptable recipient mare uterine synchrony compared with in vivo-derived embryos. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 1904-1911	1.8	5
52	Small day 8 equine embryos cannot be rescued by a less advanced recipient mare uterus. <i>Theriogenology</i> , <b>2019</b> , 126, 36-40	2.8	3
51	Potential Health and Environmental Risks of Three-Dimensional Engineered Polymers. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 80-85	11	26
50	Expression of glucose transporters in the endometrium and early conceptus membranes of the horse. <i>Placenta</i> , <b>2018</b> , 68, 23-32	3.4	6
49	Horse <b>2018</b> , 667-673		
48	Horse Y chromosome assembly displays unique evolutionary features and putative stallion fertility genes. <i>Nature Communications</i> , <b>2018</b> , 9, 2945	17.4	35

47	Exposure to elevated glucose concentrations alters the metabolomic profile of bovine blastocysts. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199310	3.7	8
46	Amino acid transporter expression in the endometrium and conceptus membranes during early equine pregnancy. <i>Reproduction, Fertility and Development</i> , <b>2018</b> , 30, 1675-1688	1.8	3
45	An oviduct-on-a-chip provides an enhanced in vitro environment for zygote genome reprogramming. <i>Nature Communications</i> , <b>2018</b> , 9, 4934	17.4	62
44	Metabolomic profiles of bovine cumulus cells and cumulus-oocyte-complex-conditioned medium during maturation in vitro. <i>Scientific Reports</i> , <b>2018</b> , 8, 9477	4.9	17
43	Improved bovine embryo production in an oviduct-on-a-chip system: prevention of poly-spermic fertilization and parthenogenic activation. <i>Lab on A Chip</i> , <b>2017</b> , 17, 905-916	7.2	35
42	MicroRNA Expression in Bovine Cumulus Cells in Relation to Oocyte Quality. <i>Non-coding RNA</i> , <b>2017</b> , 3,	7.1	10
41	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
40	Negative uterine asynchrony retards early equine conceptus development and upregulation of placental imprinted genes. <i>Placenta</i> , <b>2017</b> , 57, 175-182	3.4	10
39	Designing 3-Dimensional In Vitro Oviduct Culture Systems to Study Mammalian Fertilization and Embryo Production. <i>Annals of Biomedical Engineering</i> , <b>2017</b> , 45, 1731-1744	4.7	33
38	Combined albumin and bicarbonate induces head-to-head sperm agglutination which physically prevents equine sperm-oviduct binding. <i>Reproduction</i> , <b>2016</b> , 151, 313-30	3.8	13
37	Embryo-maternal communication during the first 4 weeks of equine pregnancy. <i>Theriogenology</i> , <b>2016</b> , 86, 349-54	2.8	17
36	Expression of leukaemia inhibitory factor at the conceptus?maternal interface during preimplantation development and in the endometrium during the oestrous cycle in the mare. <i>Reproduction, Fertility and Development</i> , <b>2015</b> ,	1.8	6
35	Maternal age and in vitro culture affect mitochondrial number and function in equine oocytes and embryos. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 957-68	1.8	25
34	Liquid storage of equine semen: Assessing the effect of d-penicillamine on longevity of ejaculated and epididymal stallion sperm. <i>Animal Reproduction Science</i> , <b>2015</b> , 159, 155-62	2.1	9
33	Validating reference microRNAs for normalizing qRT-PCR data in bovine oocytes and preimplantation embryos. <i>BMC Developmental Biology</i> , <b>2015</b> , 15, 25	3.1	26
32	Cellular damage suffered by equine embryos after exposure to cryoprotectants or cryopreservation by slow-freezing or vitrification. <i>Equine Veterinary Journal</i> , <b>2015</b> , 47, 701-7	2.4	9
31	An alkaline follicular fluid fraction induces capacitation and limited release of oviduct epithelium-bound stallion sperm. <i>Reproduction</i> , <b>2015</b> , 150, 193-208	3.8	15
30	The Role of Conceptus-maternal Signalling in the Acquisition of Uterine Receptivity to Implantation in Mammals. <i>Reproduction in Domestic Animals</i> , <b>2015</b> , 50 Suppl 3, 7-14	1.6	8

29	Effect of pregnancy on endometrial expression of luteolytic pathway components in the mare. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 834-45	1.8	25
28	The diagnostic challenge of scrotal enlargement in the stallion. <i>Equine Veterinary Education</i> , <b>2015</b> , 27, 116-118	0.6	1
27	TACC3 Is Important for Correct Progression of Meiosis in Bovine Oocytes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132591	3.7	13
26	The effect of consignment to broodmare sales on physiological stress measured by faecal glucocorticoid metabolites in pregnant Thoroughbred mares. <i>BMC Veterinary Research</i> , <b>2014</b> , 10, 25	2.7	8
25	Advancing maternal age predisposes to mitochondrial damage and loss during maturation of equine oocytes in vitro. <i>Theriogenology</i> , <b>2014</b> , 81, 959-65	2.8	40
24	Gastrulation and the establishment of the three germ layers in the early horse conceptus. <i>Theriogenology</i> , <b>2014</b> , 82, 354-65	2.8	12
23	Fibroblast growth factor-2 expression in the preimplantation equine conceptus and endometrium of pregnant and cyclic mares. <i>Theriogenology</i> , <b>2013</b> , 80, 979-89	2.8	18
22	Cryopreservation of equine embryos: current state-of-the-art. <i>Reproduction in Domestic Animals</i> , <b>2012</b> , 47 Suppl 3, 84-9	1.6	22
21	Influence of the uterine environment on the development of in vitro-produced equine embryos. <i>Reproduction</i> , <b>2012</b> , 143, 173-81	3.8	20
20	Dystocia in Friesian mares: Prevalence, causes and outcome following caesarean section. <i>Equine Veterinary Education</i> , <b>2010</b> , 22, 190-195	0.6	7
19	Removal by laparoscopic partial ovariectomy of a uterine leiomyoma assumed to have caused fetal death in a mare. <i>Equine Veterinary Education</i> , <b>2009</b> , 21, 198-203	0.6	12
18	Effects of exogenous insulin on luteolysis and reproductive cyclicity in the mare. <i>Reproduction in Domestic Animals</i> , <b>2008</b> , 43, 422-8	1.6	5
17	The roles of the epididymis and prostasomes in the attainment of fertilizing capacity by stallion sperm. <i>Animal Reproduction Science</i> , <b>2008</b> , 107, 237-48	2.1	53
16	Spinal cord trauma in a recently foaled Friesian mare as a complication of ventral abdominal rupture. <i>Equine Veterinary Education</i> , <b>2007</b> , 19, 247-250	0.6	3
15	Equine embryo transfer: review of developing potential. <i>Equine Veterinary Journal</i> , <b>2006</b> , 38, 467-78	2.4	46
14	Effect of maturation stage at cryopreservation on post-thaw cytoskeleton quality and fertilizability of equine oocytes. <i>Molecular Reproduction and Development</i> , <b>2006</b> , 73, 627-37	2.6	50
13	Stage-specific formation of the equine blastocyst capsule is instrumental to hatching and to embryonic survival in vivo. <i>Animal Reproduction Science</i> , <b>2005</b> , 87, 269-81	2.1	60
12	Numerical chromosomal abnormalities in equine embryos produced in vivo and in vitro. <i>Molecular Reproduction and Development</i> , <b>2005</b> , 72, 77-87	2.6	59

11	Effect of cryopreservation on the cellular integrity of equine embryos. <i>Reproduction</i> , <b>2005</b> , 129, 789-98	3.8	43
10	Progesterone induces acrosome reaction in stallion spermatozoa via a protein tyrosine kinase dependent pathway. <i>Molecular Reproduction and Development</i> , <b>2003</b> , 64, 120-8	2.6	43
9	The predictive value of semen analysis in the evaluation of stallion fertility. <i>Reproduction in Domestic Animals</i> , <b>2003</b> , 38, 305-11	1.6	114
8	Effects of in vitro production on horse embryo morphology, cytoskeletal characteristics, and blastocyst capsule formation. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 1895-906	3.9	101
7	Selection and management of the embryo transfer donor mare. <i>Pferdeheilkunde</i> , <b>2003</b> , 19, 685-688	1.8	7
6	Prostaglandin E(2) and F(2 alpha) production by equine conceptuses and concentrations in conceptus fluids and uterine flushings recovered from early pregnant and dioestrous mares. <i>Reproduction</i> , <b>2002</b> , 123, 261-8	3.8	10
5	Organisation of the cytoskeleton during in vitro maturation of horse oocytes. <i>Molecular Reproduction and Development</i> , <b>2001</b> , 60, 260-9	2.6	59
4	Oestrogens and pregnancy maintenance in the mare: For or against?. <i>Pferdeheilkunde</i> , <b>2001</b> , 17, 579-582	1.8	12
3	Oxytocin administration prolongs luteal function in cyclic mares. <i>Reproduction</i> , <b>1999</b> , 116, 315-20	3.8	37
2	Endometrial oxytocin receptor and uterine prostaglandin secretion in mares during the oestrous cycle and early pregnancy. <i>Reproduction</i> , <b>1998</b> , 113, 173-9	3.8	50
1	Non-rodent mammalian zygotes assemble dual spindles despite the presence of paternal centrosomes		3