

Gerhard Schuler

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,968
citations

279798

23
h-index

254184

43
g-index

66
all docs

66
docs citations

66
times ranked

2172
citing authors

#	ARTICLE	IF	CITATIONS
1	The German Aortic Valve Registry (GARY): in-hospital outcome. <i>European Heart Journal</i> , 2014, 35, 1588-1598.	2.2	304
2	The art of measuring steroids. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 179, 88-103.	2.5	151
3	Expression of cyclooxygenase 1 and 2 in the canine corpus luteum during diestrus. <i>Theriogenology</i> , 2006, 66, 1423-1430.	2.1	103
4	Determination of free and conjugated oestrogens in peripheral blood plasma, feces and urine of cattle throughout pregnancy. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1997, 105, 296-303.	1.2	86
5	DNA Content and Ploidy Level of Bovine Placentomal Trophoblast Giant Cells. <i>Placenta</i> , 1999, 20, 451-458.	1.5	74
6	The bovine placenta; a source and target of steroid hormones: observations during the second half of gestation. <i>Domestic Animal Endocrinology</i> , 2002, 23, 309-320.	1.6	73
7	The role of sulfated steroid hormones in reproductive processes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 172, 207-221.	2.5	70
8	Expression of Oestrogen Receptors alpha and beta and of Aromatase in the Testis of Immature and Mature Boars. <i>Reproduction in Domestic Animals</i> , 2005, 40, 228-236.	1.4	66
9	Characterization of the canine 3 β -hydroxysteroid dehydrogenase and its expression in the corpus luteum during diestrus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2006, 101, 254-262.	2.5	58
10	Profiling intact steroid sulfates and unconjugated steroids in biological fluids by liquid chromatography-tandem mass spectrometry (LC-MS-MS). <i>Analyst</i> , The, 2013, 138, 3792.	3.5	54
11	A Tetraantennary Glycan with Bisecting N-Acetylglucosamine and the Sda Antigen is the Predominant N-Glycan on Bovine Pregnancy-Associated Glycoproteins. <i>Glycobiology</i> , 2007, 18, 42-52.	2.5	45
12	Placental Steroids in Cattle: Hormones, Placental Growth Factors or By-products of Trophoblast Giant Cell Differentiation?. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2008, 116, 429-436.	1.2	45
13	Differential Infection Patterns and Recent Evolutionary Origins of Equine Hepaciviruses in Donkeys. <i>Journal of Virology</i> , 2017, 91, .	3.4	45
14	Occurrence of Estrogen Receptor α in Bovine Placentomes Throughout Mid and Late Gestation and at Parturition. <i>Biology of Reproduction</i> , 2002, 66, 976-982.	2.7	43
15	Investigations into the mechanisms controlling parturition in cattle. <i>Reproduction</i> , 2012, 144, 279-292.	2.6	43
16	Reciprocal expression of 17 β -hydroxylase-C17,20-lyase and aromatase cytochrome P450 during bovine trophoblast differentiation: a two-cell system drives placental oestrogen synthesis. <i>Reproduction</i> , 2006, 131, 669-679.	2.6	42
17	Influence of Testosterone on Inflammatory Response in Testicular Cells and Expression of Transcription Factor Foxp3 in T Cells. <i>American Journal of Reproductive Immunology</i> , 2015, 74, 12-25.	1.2	42
18	Expression of Cyclooxygenase-II (COX-II) and 20 β -Hydroxysteroid Dehydrogenase (20 β -HSD)/Prostaglandin F-synthase (PGFS) in Bovine Placentomes: Implications for the Initiation of Parturition in Cattle. <i>Placenta</i> , 2006, 27, 1022-1029.	1.5	41

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19	Formation of the early canine CL and the role of prostaglandin E2 (PGE2) in regulation of its function: An inÂvivo approach. Theriogenology, 2015, 83, 1038-1047.	2.1	41
20	Investigations on the use of C-21-steroids as precursors for placental oestrogen synthesis in the cow. Experimental and Clinical Endocrinology and Diabetes, 1994, 102, 169-174.	1.2	34
21	Placental contribution to the endocrinology of gestation and parturition. Animal Reproduction, 2018, 15, 822-842.	1.0	33
22	Immunolocalization of Progesterone Receptors in Bovine Placentomes Throughout Mid and Late Gestation and at Parturition1. Biology of Reproduction, 1999, 61, 797-801.	2.7	29
23	Expression of matrix metalloproteinase (MMP)-2, MMP-14 and tissue inhibitor of matrix metalloproteinase (TIMP)-2 during bovine placentation and at term with or without placental retention. Theriogenology, 2011, 75, 1104-1114.	2.1	29
24	InÂvivo investigations on luteotropic activity of prostaglandins during early diestrus in nonpregnant bitches. Theriogenology, 2014, 82, 915-920.	2.1	23
25	Investigations on the activity of bovine placental oestrogen sulfotransferase and -sulfatase from midgestation to parturition. Experimental and Clinical Endocrinology and Diabetes, 2001, 109, 294-301.	1.2	21
26	Endocrine changes during pregnancy, parturition and post-partum in guanacos (Lama guanicoe). Animal Reproduction Science, 2009, 116, 318-325.	1.5	20
27	Free and sulfated steroids secretion in postpubertal boars (Sus scrofa domestica). Reproduction, 2014, 148, 303-314.	2.6	19
28	Seasonal changes of DNA fragmentation and quality of raw and cold-stored stallion spermatozoa. Theriogenology, 2017, 99, 98-104.	2.1	19
29	Estrogen Receptor $\hat{1}^2$ (ER $\hat{1}^2$) Is Expressed Differently From ER $\hat{1}\pm$ in Bovine Placentomes. Experimental and Clinical Endocrinology and Diabetes, 2005, 113, 107-114.	1.2	18
30	Hypoxia-inducible factor (HIF1alpha) inhibition modulates cumulus cell function and affects bovine oocyte maturation in vitro. Biology of Reproduction, 2021, 104, 479-491.	2.7	18
31	Bovine Placental Steroid Sulphatase: Molecular Cloning and Expression Pattern in Placentomes during Gestation and at Parturition. Placenta, 2007, 28, 889-897.	1.5	17
32	Androgen receptor is widely expressed in bovine placentomes and up-regulated during differentiation of bovine trophoblast giant cells. Placenta, 2013, 34, 416-423.	1.5	17
33	Expression and Activity of Steroid Sulphatase in the Boar Testis. Reproduction in Domestic Animals, 2009, 44, 17-23.	1.4	15
34	Immunohistochemical Localization of Oestrogen Receptors $\hat{1}\pm$ and $\hat{1}^2$, Progesterone Receptor and Aromatase in the Equine Placenta. Reproduction in Domestic Animals, 2009, 44, 312-319.	1.4	15
35	Use of the progesterone (P4) receptor antagonist aglepristone to characterize the role of P4 withdrawal for parturition and placental release in cows. Reproduction, 2010, 140, 623-632.	2.6	15
36	Bovine Fetal Placenta During Pregnancy and the Postpartum Period. Veterinary Pathology, 2019, 56, 248-258.	1.7	15

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37	A hepatitis B virus causes chronic infections in equids worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
38	SULFATION PATHWAYS: Expression of SULT2A1, SULT2B1 and HSD3B1 in the porcine testis and epididymis. Journal of Molecular Endocrinology, 2018, 61, M41-M55.	2.5	11
39	Characterization of Proliferative Activity in Bovine Placentomes Between Day 150 and Parturition by Quantitative Immunohistochemical Detection of Ki67-Antigen. Reproduction in Domestic Animals, 2000, 35, 157-162.	1.4	11
40	Endometrial expression of progesterone, estrogen, and oxytocin receptors and of 20 α -hydroxysteroid dehydrogenase and cyclooxygenase II 2 and 5 days after ovulation in induced short and normal estrous cycles in dairy cows. Theriogenology, 2014, 81, 1181-1188.	2.1	10
41	SULFATION PATHWAYS: Formation and hydrolysis of sulfonated estrogens in the porcine testis and epididymis. Journal of Molecular Endocrinology, 2018, 61, M13-M25.	2.5	10
42	Do ovarian steroid hormones control the resumption of embryonic growth following the period of diapause in roe deer (Capreolus capreolus)? Reproductive Biology, 2019, 19, 149-157.	1.9	10
43	Rhodesian Ridgebacks have an increased risk to develop benign prostatic hyperplasia. Reproduction in Domestic Animals, 2020, 55, 283-292.	1.4	10
44	Age and cognitive status dependent differences in blood steroid and thyroid hormone concentrations in intact male rats. Behavioral and Brain Functions, 2019, 15, 10.	3.3	9
45	Expression of SULT1E1 protein in bovine placentomes: Evidence for localization in uninucleated trophoblast cells. Placenta, 2011, 32, 431-440.	1.5	8
46	Estrogen-Specific Sulfotransferase (SULT1E1) in Bovine Placentomes: Inverse Levels of mRNA and Protein in Uninucleated Trophoblast Cells and Trophoblast Giant Cells ¹ . Biology of Reproduction, 2014, 91, 48.	2.7	8
47	Uterine and placental expression of HPGD in cows during pregnancy and release of fetal membranes. Prostaglandins and Other Lipid Mediators, 2017, 128-129, 17-26.	1.9	7
48	Simultaneous profiles of sulfonated androgens, sulfonated estrogens and sulfonated progestogens in postpubertal boars (sus scrofa domestica) measured by LC-MS/MS. Journal of Steroid Biochemistry and Molecular Biology, 2018, 179, 55-63.	2.5	7
49	Progestogen profiling in plasma during the estrous cycle in cattle using an LC-MS based approach. Theriogenology, 2020, 142, 376-383.	2.1	7
50	Comparison of Different Methods to Determine the Absorption of Colostral IgG in Newborn Foals. Journal of Equine Veterinary Science, 2022, 114, 104008.	0.9	7
51	High-Fat Diet Induces Unexpected Fatal Uterine Infections in Mice with aP2-Cre-mediated Deletion of Estrogen Receptor Alpha. Scientific Reports, 2017, 7, 43269.	3.3	6
52	Occurrence of sulfonated steroids and ovarian expression of steroid sulfatase and SULT1E1 in cyclic cows. Journal of Steroid Biochemistry and Molecular Biology, 2018, 179, 79-87.	2.5	6
53	Efficiency of the sulfate pathway in comparison to the Δ^4 - and Δ^5 -pathway of steroidogenesis in the porcine testis. Journal of Steroid Biochemistry and Molecular Biology, 2018, 179, 64-72.	2.5	6
54	Effects of testosterone and 17 β -estradiol on osteogenic and adipogenic differentiation capacity of human bone-derived mesenchymal stromal cells of postmenopausal women. Bone Reports, 2019, 11, 100226.	0.4	6

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55	Contractions transport exfoliated epithelial cells through the neonatal epididymis. <i>Reproduction</i> , 2020, 160, 109-116.	2.6	6
56	Transcriptional regulation of HIF1 α -mediated STAR expression in murine KK1 granulosa cell line involves cJUN, CREB and CBP-dependent pathways. <i>General and Comparative Endocrinology</i> , 2022, 315, 113923.	1.8	6
57	Steroid sulfates in domestic mammals and laboratory rodents. <i>Domestic Animal Endocrinology</i> , 2021, 76, 106622.	1.6	5
58	Comparison of three progesterone quantification methods using blood samples drawn from bitches during the periovulatory phase. <i>Veterinary World</i> , 2022, 15, 119-123.	1.7	4
59	Attempts to downregulate ovarian function in the bitch by applying a GnRH agonist implant in combination with a 3 α -hydroxysteroid-dehydrogenase blocker; a pilot study. <i>Theriogenology</i> , 2020, 145, 176-180.	2.1	3
60	Evaluation of a small volume oil-free in vitro production system for bovine embryos. <i>Veterinary Medicine and Science</i> , 2021, 7, 868-875.	1.6	2