

# Alan J Conley

## List of Publications by Citations

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83

papers

1,910

citations

24

h-index

41

g-index

86

ext. papers

2,138

ext. citations

3.6

avg, IF

4.56

L-index

#	Paper	IF	Citations
83	Why primate models matter. <i>American Journal of Primatology</i> , <b>2014</b> , 76, 801-27	2.5	334
82	Immunohistochemical localization of 3 beta-hydroxysteroid dehydrogenase and P450 17 alpha-hydroxylase during follicular and luteal development in pigs, sheep, and cows. <i>Biology of Reproduction</i> , <b>1995</b> , 52, 1081-94	3.9	114
81	Colocalization of P450c17 and cytochrome b5 in androgen-synthesizing tissues of the human. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 83-8	3.9	81
80	The primate adrenal zona reticularis is defined by expression of cytochrome b5, 17alpha-hydroxylase/17,20-lyase cytochrome P450 (P450c17) and NADPH-cytochrome P450 reductase (reductase) but not 3beta-hydroxysteroid dehydrogenase/delta5-4 isomerase (3beta-HSD). <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 3382-5	5.6	76
79	Functional ovarian and placental isoforms of porcine aromatase. <i>Molecular and Cellular Endocrinology</i> , <b>1995</b> , 113, 29-37	4.4	72
78	Variations in adrenal androgen production among (nonhuman) primates. <i>Seminars in Reproductive Medicine</i> , <b>2004</b> , 22, 311-26	1.4	68
77	Adrenal androgens in humans and nonhuman primates: production, zonation and regulation. <i>Endocrine Development</i> , <b>2008</b> , 13, 33-54		63
76	Fetal programming of adrenal androgen excess: lessons from a nonhuman primate model of polycystic ovary syndrome. <i>Endocrine Development</i> , <b>2008</b> , 13, 145-158		57
75	Demonstration of tissue-specific promoters in nonprimate species that express aromatase P450 in placentae. <i>Biology of Reproduction</i> , <b>1995</b> , 53, 1151-9	3.9	52
74	Monitoring pregnancy in twinning pygmy loris ( <i>Nycticebus pygmaeus</i> ) using fecal estrogen metabolites. <i>American Journal of Primatology</i> , <b>1998</b> , 46, 173-83	2.5	50
73	Serum anti-Müllerian hormone concentrations in stallions: developmental changes, seasonal variation, and differences between intact stallions, cryptorchid stallions, and geldings. <i>Theriogenology</i> , <b>2013</b> , 79, 1229-35	2.8	46
72	Pregnancy without progesterone in horses defines a second endogenous biopotent progesterone receptor agonist, 5beta-dihydroprogesterone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3365-70	11.5	40
71	Reducing estrogen synthesis in developing boars increases testis size and total sperm production. <i>Journal of Andrology</i> , <b>2006</b> , 27, 552-9		38
70	The dynamic steroid landscape of equine pregnancy mapped by mass spectrometry. <i>Reproduction</i> , <b>2016</b> , 151, 421-30	3.8	33
69	Zonal expression of endothelial nitric oxide synthase in sheep and rhesus adrenal cortex. <i>Endocrinology</i> , <b>2001</b> , 142, 5351-63	4.8	33
68	Adrenocortical cytochrome b5 expression during fetal development of the rhesus macaque. <i>Endocrinology</i> , <b>2002</b> , 143, 1451-8	4.8	31
67	Placental steroid hormones. <i>Baillieres Clinical Endocrinology and Metabolism</i> , <b>1990</b> , 4, 249-72		31

66	Phthalate esters affect maturation and function of primate testis tissue ectopically grafted in mice. <i>Molecular and Cellular Endocrinology</i> , <b>2014</b> , 398, 89-100	4.4	29
65	The developmental increase in adrenocortical 17,20-lyase activity (biochemical adrenarche) is driven primarily by increasing cytochrome b5 in neonatal rhesus macaques. <i>Endocrinology</i> , <b>2009</b> , 150, 1748-56	4.8	29
64	Morphological adrenarche in rhesus macaques: development of the zona reticularis is concurrent with fetal zone regression in the early neonatal period. <i>Journal of Endocrinology</i> , <b>2008</b> , 199, 367-78	4.7	29
63	Circulating 11-oxygenated androgens across species. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2019</b> , 190, 242-249	5.1	27
62	Reducing endogenous estrogens during the neonatal and juvenile periods affects reproductive tract development and sperm production in postpubertal boars. <i>Animal Reproduction Science</i> , <b>2008</b> , 109, 218-35	2.1	25
61	Structural determinants of aromatase cytochrome p450 inhibition in substrate recognition site-1. <i>Molecular Endocrinology</i> , <b>2002</b> , 16, 1456-68		25
60	Increased testicular Sertoli cell population induced by an estrogen receptor antagonist. <i>Molecular and Cellular Endocrinology</i> , <b>2013</b> , 366, 53-8	4.4	24
59	Gender and gonadal status differences in zona reticularis expression in marmoset monkey adrenals: Cytochrome b5 localization with respect to cytochrome P450 17,20-lyase activity. <i>Molecular and Cellular Endocrinology</i> , <b>2007</b> , 265-266, 93-101	4.4	24
58	Male marmoset monkeys express an adrenal fetal zone at birth, but not a zona reticularis in adulthood. <i>Endocrinology</i> , <b>2005</b> , 146, 365-74	4.8	24
57	Stimulation of Sertoli cell proliferation: defining the response interval to an inhibitor of estrogen synthesis in the boar. <i>Reproduction</i> , <b>2012</b> , 143, 523-9	3.8	23
56	Structural and functional differences among purified recombinant mammalian aromatases: glycosylation, N-terminal sequence and kinetic analysis of human, bovine and the porcine placental and gonadal isozymes. <i>Molecular and Cellular Endocrinology</i> , <b>2003</b> , 206, 147-57	4.4	23
55	Equine fetal adrenal, gonadal and placental steroidogenesis. <i>Reproduction</i> , <b>2017</b> , 154, 445-454	3.8	22
54	Plasticity of the zona reticularis in the adult marmoset adrenal cortex: voyages of discovery in the New World. <i>Journal of Endocrinology</i> , <b>2009</b> , 203, 313-26	4.7	22
53	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). <i>PLoS ONE</i> , <b>2015</b> , 10, e0141252	3.7	22
52	Costs and consequences of cellular compartmentalization and substrate competition among human enzymes involved in androgen and estrogen synthesis. <i>Biology of Reproduction</i> , <b>2012</b> , 86, 1-8	3.9	16
51	Steroidogenic enzyme activities in the pre- and post-parturient equine placenta. <i>Reproduction</i> , <b>2018</b> , 155, 51-59	3.8	15
50	Reduced endogenous estrogen and hemicastration interact synergistically to increase porcine sertoli cell proliferation. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 114	3.9	14
49	A comparative approach to structure-function studies of mammalian aromatases. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2001</b> , 79, 289-97	5.1	14

48	Immunohistochemical analysis of AT1 receptor versus P450c17 and 3 beta HSD expression in ovine adrenals. <i>Endocrine Research</i> , <b>1996</b> , 22, 349-53	1.9	14
47	The localization of DHEA sulfotransferase in steroidogenic and steroid metabolizing tissues of the adult rhesus macaque monkey. <i>Endocrine Research</i> , <b>2000</b> , 26, 517-22	1.9	13
46	A comparison of progesterone assays for determination of peripheral pregnane concentrations in the late pregnant mare. <i>Theriogenology</i> , <b>2018</b> , 106, 127-133	2.8	12
45	Does alligator testis produce estradiol? A comparison of ovarian and testicular aromatase. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 1201-7	3.9	12
44	A Retrospective Analysis of 2,253 Cases Submitted for Endocrine Diagnosis of Possible Granulosa Cell Tumors in Mares. <i>Journal of Equine Veterinary Science</i> , <b>2014</b> , 34, 307-313	1.2	11
43	Variation in 3 $\beta$ -hydroxysteroid dehydrogenase activity and in pregnenolone supply rate can paradoxically alter androstenedione synthesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2012</b> , 128, 12-20	5.1	11
42	Steroids in the establishment and maintenance of pregnancy and at parturition in the mare. <i>Reproduction</i> , <b>2019</b> , 158, R197-R208	3.8	11
41	Reducing endogenous estrogen during prepuberal life does not affect boar libido or sperm fertilizing potential. <i>Theriogenology</i> , <b>2014</b> , 82, 627-35	2.8	10
40	Equine 5 $\beta$ -reductase activity and expression in epididymis. <i>Journal of Endocrinology</i> , <b>2016</b> , 231, 23-33	4.7	10
39	Capture of a Hyena-Specific Retroviral Envelope Gene with Placental Expression Associated in Evolution with the Unique Emergence among Carnivorans of Hemochorial Placentation in Hyaenidae. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	10
38	Steroid regulation of early postnatal development in the corpus epididymidis of pigs. <i>Journal of Endocrinology</i> , <b>2015</b> , 225, 125-34	4.7	9
37	Porcine sertoli cell proliferation after androgen receptor inactivation. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 93	3.9	9
36	Effects of chronic intranasal oxytocin on behavior and cerebral glucose uptake in juvenile titi monkeys. <i>Psychoneuroendocrinology</i> , <b>2020</b> , 113, 104494	5	9
35	Evolutionary comparisons predict that dimerization of human cytochrome P450 aromatase increases its enzymatic activity and efficiency. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2015</b> , 154, 294-301	5.1	8
34	Tissue steroid levels in response to reduced testicular estrogen synthesis in the male pig, <i>Sus scrofa</i> . <i>PLoS ONE</i> , <b>2019</b> , 14, e0215390	3.7	7
33	Equine placentitis is associated with a downregulation in myometrial progesterin signaling. <i>Biology of Reproduction</i> , <b>2019</b> , 101, 162-176	3.9	7
32	Reducing endogenous estrogen during development alters hormone production by porcine Leydig cells and seminiferous tubules. <i>Domestic Animal Endocrinology</i> , <b>2008</b> , 34, 100-8	2.3	7
31	Modulation of higher-primate adrenal androgen secretion with estrogen-alone or estrogen-plus-progesterone intervention. <i>Menopause</i> , <b>2013</b> , 20, 322-8	2.5	7

30	Comparative analysis of steroids in cyclic and pregnant killer whales, beluga whales and bottlenose dolphins by liquid chromatography tandem mass spectrometry. <i>General and Comparative Endocrinology</i> , <b>2020</b> , 285, 113273	3	7
29	Alteration of the mare's immune system by the synthetic progestin, altrenogest. <i>American Journal of Reproductive Immunology</i> , <b>2019</b> , 82, e13145	3.8	6
28	The role of enzyme compartmentalization on the regulation of steroid synthesis. <i>Journal of Theoretical Biology</i> , <b>2013</b> , 332, 52-64	2.3	6
27	Spotted hyaenas and the sexual spectrum: reproductive endocrinology and development. <i>Journal of Endocrinology</i> , <b>2020</b> , 247, R27-R44	4.7	6
26	Assessing oocyte development and maturation in the threatened Delta Smelt, <i>Hypomesus transpacificus</i> . <i>Environmental Biology of Fishes</i> , <b>2016</b> , 99, 423-432	1.6	6
25	Equine granulosa cell tumours among other ovarian conditions: Diagnostic challenges. <i>Equine Veterinary Journal</i> , <b>2021</b> , 53, 60-70	2.4	6
24	Concentrations of sulphated estrone, estradiol and dehydroepiandrosterone measured by mass spectrometry in pregnant mares. <i>Equine Veterinary Journal</i> , <b>2019</b> , 51, 802-808	2.4	5
23	Identification of Immunoreactive Luteinizing Hormone Receptors in the Adrenal Cortex of the Female Rhesus Macaque. <i>Reproductive Sciences</i> , <b>2016</b> , 23, 524-30	3	5
22	Anti-Müllerian hormone and ovarian aging in mares. <i>Journal of Endocrinology</i> , <b>2019</b> , 240, 147-156	4.7	5
21	A Homodimer Model Can Resolve the Conundrum as to How Cytochrome P450 Oxidoreductase and Cytochrome b5 Compete for the Same Binding Site on Cytochrome P450c17. <i>Current Protein and Peptide Science</i> , <b>2017</b> , 18, 515-521	2.8	5
20	Secretion and Metabolism of Steroids in Subprimate Mammals During Pregnancy <b>1998</b> , 291-318		5
19	Ovine placental steroid synthesis and metabolism in late gestation. <i>Biology of Reproduction</i> , <b>2018</b> , 99, 662-670	3.9	4
18	Inhibition of 5 $\alpha$ -Reductase alters pregnane metabolism in the late pregnant mare. <i>Reproduction</i> , <b>2018</b> , 155, 251-258	3.8	4
17	Anti-Müllerian hormone profiling in prepubertal horses and its relationship with gonadal function. <i>Theriogenology</i> , <b>2018</b> , 117, 72-77	2.8	4
16	5 $\alpha$ -Dihydroprogesterone concentrations and synthesis in non-pregnant mares. <i>Journal of Endocrinology</i> , <b>2018</b> , 238, 25-32	4.7	4
15	Anti-Müllerian Hormone as a Diagnostic Marker for Equine Cryptorchidism in Three Cases with Equivocal Testosterone Concentrations. <i>Journal of Equine Veterinary Science</i> , <b>2014</b> , 34, 442-445	1.2	4
14	Serum and tissue pregnanes and pregnenes after dexamethasone treatment of cows in late gestation. <i>Reproduction</i> , <b>2019</b> , 157, 413-422	3.8	4
13	Inhibin-A and inhibin-B in cyclic and pregnant mares, and mares with granulosa-theca cell tumors: Physiological and diagnostic implications. <i>Theriogenology</i> , <b>2018</b> , 108, 192-200	2.8	4

12	Electrochemistry of cytochrome P450 17 $\beta$ -hydroxylase/17,20-lyase (P450c17). <i>Molecular and Cellular Endocrinology</i> , <b>2017</b> , 441, 62-67	4.4	3
11	Anti-Müllerian hormone as a biomarker for acute testicular degeneration caused by toxic insults to stallion testes. <i>Theriogenology</i> , <b>2018</b> , 116, 95-102	2.8	3
10	Effect of age and castration on serum anti-Müllerian hormone concentration in male alpacas. <i>Theriogenology</i> , <b>2018</b> , 105, 174-177	2.8	2
9	Genomic Structure of the Porcine Locus and Expression of the Paralog. <i>Genes</i> , <b>2021</b> , 12,	4.2	2
8	Aromatase and the three little paralogs. <i>Biology of Reproduction</i> , <b>2021</b> , 105, 5-6	3.9	2
7	Endocrine and metabolic profile of peripubertal Standardbred colts. <i>Theriogenology</i> , <b>2018</b> , 117, 78-84	2.8	2
6			
5	The steroid metabolome of pregnancy, insights into the maintenance of pregnancy and evolution of reproductive traits. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 528, 111241	4.4	0
4	Endocrine Testing for Reproductive Conditions in Horses <b>2017</b> , 409-418		
3	Multifaceted epigenetic regulation of porcine testicular aromatase. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 541, 111526	4.4	
2	Algorithms predicting gestational stage from the maternal steroid metabolome of mares. <i>Journal of Endocrinology</i> , <b>2021</b> , 252, 45-57	4.7	
1	Clinical and Histological Features of Ovarian Hypoplasia/Dysgenesis in Alpacas.. <i>Frontiers in Veterinary Science</i> , <b>2022</b> , 9, 837684	3.1	