

# Alan J Conley

## List of Publications by Year in descending order

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84  
papers

2,420  
citations

218592

26  
h-index

233338

45  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why primate models matter. <i>American Journal of Primatology</i> , 2014, 76, 801-827.	0.8	451
2	Immunohistochemical Localization of 3 $\beta$ -Hydroxysteroid Dehydrogenase and P450 17 $\alpha$ -Hydroxylase during Follicular and Luteal Development in Pigs, Sheep, and Cows <sup>1</sup> . <i>Biology of Reproduction</i> , 1995, 52, 1081-1094.	1.2	121
3	Colocalization of P450c17 and Cytochrome b5 in Androgen-Synthesizing Tissues of the Human <sup>1</sup> . <i>Biology of Reproduction</i> , 2004, 71, 83-88.	1.2	88
4	The Primate Adrenal Zona Reticularis is Defined by Expression of Cytochrome b5, 17 $\alpha$ -hydroxylase/17,20-lyase Cytochrome P450 (P450c17) and NADPH-Cytochrome P450 Reductase (reductase) but not 3 $\beta$ -Hydroxysteroid Dehydrogenase/5-4 Isomerase (3 $\beta$ -HSD). <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 3382-3385.	1.8	77
5	Functional ovarian and placental isoforms of porcine aromatase. <i>Molecular and Cellular Endocrinology</i> , 1995, 113, 29-37.	1.6	76
6	Variations in Adrenal Androgen Production Among (Nonhuman) Primates. <i>Seminars in Reproductive Medicine</i> , 2004, 22, 311-326.	0.5	75
7	Adrenal Androgens in Humans and Nonhuman Primates: Production, Zonation and Regulation. , 2008, 13, 33-54.		71
8	Fetal Programming of Adrenal Androgen Excess: Lessons from a Nonhuman Primate Model of Polycystic Ovary Syndrome. , 2008, 13, 145-158.		63
9	Monitoring pregnancy in twinning pygmy loris ( <i>Nycticebus pygmaeus</i> ) using fecal estrogen metabolites. <i>American Journal of Primatology</i> , 1999, 46, 173-183.	0.8	59
10	Serum anti-M $\mu$ llerian hormone concentrations in stallions: Developmental changes, seasonal variation, and differences between intact stallions, cryptorchid stallions, and geldings. <i>Theriogenology</i> , 2013, 79, 1229-1235.	0.9	59
11	Demonstration of Tissue-Specific Promoters in Nonprimate Species that Express Aromatase P450 in Placentae <sup>1</sup> . <i>Biology of Reproduction</i> , 1995, 53, 1151-1159.	1.2	56
12	Pregnancy without progesterone in horses defines a second endogenous biopotent progesterone receptor agonist, 5 $\alpha$ -dihydroprogesterone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3365-3370.	3.3	53
13	The dynamic steroid landscape of equine pregnancy mapped by mass spectrometry. <i>Reproduction</i> , 2016, 151, 421-430.	1.1	49
14	4 Placental steroid hormones. <i>Bailliere's Clinical Endocrinology and Metabolism</i> , 1990, 4, 249-272.	1.0	47
15	Circulating 11-oxygenated androgens across species. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 190, 242-249.	1.2	46
16	Reducing Estrogen Synthesis in Developing Boars Increases Testis Size and Total Sperm Production. <i>Journal of Andrology</i> , 2006, 27, 552-559.	2.0	41
17	Zonal Expression of Endothelial Nitric Oxide Synthase in Sheep and Rhesus Adrenal Cortex. <i>Endocrinology</i> , 2001, 142, 5351-5363.	1.4	38
18	Equine fetal adrenal, gonadal and placental steroidogenesis. <i>Reproduction</i> , 2017, 154, 445-454.	1.1	37

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19	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> , 2008, 199, 367-378.	1.2	33
20	Adrenocortical Cytochrome b5 Expression during Fetal Development of the Rhesus Macaque. <i>Endocrinology</i> , 2002, 143, 1451-1458.	1.4	32
21	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> , 2007, 265-266, 93-101.	1.6	31
22	Reducing endogenous estrogens during the neonatal and juvenile periods affects reproductive tract development and sperm production in postpuberal boars. <i>Animal Reproduction Science</i> , 2008, 109, 218-235.	0.5	30
23	Increased testicular Sertoli cell population induced by an estrogen receptor antagonist. <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 53-58.	1.6	30
24	Phthalate esters affect maturation and function of primate testis tissue ectopically grafted in mice. <i>Molecular and Cellular Endocrinology</i> , 2014, 398, 89-100.	1.6	30
25	Steroids in the establishment and maintenance of pregnancy and at parturition in the mare. <i>Reproduction</i> , 2019, 158, R197-R208.	1.1	30
26	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> , 2009, 150, 1748-1756.	1.4	29
27	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). <i>PLoS ONE</i> , 2015, 10, e0141252.	1.1	28
28	Male Marmoset Monkeys Express an Adrenal Fetal Zone at Birth, But Not a Zona Reticularis in Adulthood. <i>Endocrinology</i> , 2005, 146, 365-374.	1.4	27
29	Structural Determinants of Aromatase Cytochrome P450 Inhibition in Substrate Recognition Site-1. <i>Molecular Endocrinology</i> , 2002, 16, 1456-1468.	3.7	26
30	Plasticity of the zona reticularis in the adult marmoset adrenal cortex: voyages of discovery in the New World. <i>Journal of Endocrinology</i> , 2009, 203, 313-326.	1.2	26
31	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> , 2003, 206, 147-157.	1.6	24
32	Stimulation of Sertoli cell proliferation: defining the response interval to an inhibitor of estrogen synthesis in the boar. <i>Reproduction</i> , 2012, 143, 523-529.	1.1	24
33	Steroidogenic enzyme activities in the pre- and post-parturient equine placenta. <i>Reproduction</i> , 2018, 155, 51-59.	1.1	24
34	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> , 2020, 285, 113273.	0.8	23
35	Effects of chronic intranasal oxytocin on behavior and cerebral glucose uptake in juvenile titi monkeys. <i>Psychoneuroendocrinology</i> , 2020, 113, 104494.	1.3	22
36	A comparison of progesterone assays for determination of peripheral pregnane concentrations in the late pregnant mare. <i>Theriogenology</i> , 2018, 106, 127-133.	0.9	21

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37	Costs and Consequences of Cellular Compartmentalization and Substrate Competition among Human Enzymes Involved in Androgen and Estrogen Synthesis. <i>Biology of Reproduction</i> , 2012, 86, 1-8.	1.2	20
38	Anti-Müllerian hormone and ovarian aging in mares. <i>Journal of Endocrinology</i> , 2019, 240, 147-156.	1.2	17
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> , 2019, 93, .	1.5	16
40	A comparative approach to structure–function studies of mammalian aromatases. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 79, 289-297.	1.2	15
41	Reduced Endogenous Estrogen and Hemicastration Interact Synergistically to Increase Porcine Sertoli Cell Proliferation <sup>1</sup> . <i>Biology of Reproduction</i> , 2014, 90, 114.	1.2	15
42	Immunohistochemical analysis of AT <sub>1</sub> receptor versus P450c17 and 3 $\beta$ HSD expression in ovine adrenals.. <i>Endocrine Research</i> , 1996, 22, 349-353.	0.6	14
43	The Localization of Dhea Sulfotransferase in Steroidogenic and Steroid Metabolizing Tissues of the Adult Rhesus Macaque Monkey. <i>Endocrine Research</i> , 2000, 26, 517-522.	0.6	14
44	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> , 2012, 128, 12-20.	1.2	14
45	Equine 5 $\alpha$ -reductase activity and expression in epididymis. <i>Journal of Endocrinology</i> , 2016, 231, 23-33.	1.2	14
46	Equine granulosa cell tumours among other ovarian conditions: Diagnostic challenges. <i>Equine Veterinary Journal</i> , 2021, 53, 60-70.	0.9	14
47	Does Alligator Testis Produce Estradiol? A Comparison of Ovarian and Testicular Aromatase. <i>Biology of Reproduction</i> , 2003, 69, 1201-1207.	1.2	13
48	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> , 2014, 34, 307-313.	0.4	13
49	Reducing endogenous estrogen during prepuberal life does not affect boar libido or sperm fertilizing potential. <i>Theriogenology</i> , 2014, 82, 627-635.	0.9	12
50	Anti-Müllerian hormone profiling in prepubertal horses and its relationship with gonadal function. <i>Theriogenology</i> , 2018, 117, 72-77.	0.9	12
51	Concentrations of sulphated estrone, estradiol and dehydroepiandrosterone measured by mass spectrometry in pregnant mares. <i>Equine Veterinary Journal</i> , 2019, 51, 802-808.	0.9	12
52	Spotted hyaenas and the sexual spectrum: reproductive endocrinology and development. <i>Journal of Endocrinology</i> , 2020, 247, R27-R44.	1.2	12
53	Porcine Sertoli Cell Proliferation after Androgen Receptor Inactivation <sup>1</sup> . <i>Biology of Reproduction</i> , 2015, 92, 93.	1.2	11
54	Alteration of the mare's immune system by the synthetic progestin, altrenogest. <i>American Journal of Reproductive Immunology</i> , 2019, 82, e13145.	1.2	11

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55	Equine placentitis is associated with a downregulation in myometrial progesterin signaling. <i>Biology of Reproduction</i> , 2019, 101, 162-176.	1.2	11
56	Steroid regulation of early postnatal development in the corpus epididymidis of pigs. <i>Journal of Endocrinology</i> , 2015, 225, 125-134.	1.2	10
57	Serum and tissue pregnanes and pregnenes after dexamethasone treatment of cows in late gestation. <i>Reproduction</i> , 2019, 157, 413-422.	1.1	10
58	The role of enzyme compartmentalization on the regulation of steroid synthesis. <i>Journal of Theoretical Biology</i> , 2013, 332, 52-64.	0.8	9
59	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> , 2015, 154, 294-301.	1.2	9
60	Ovine placental steroid synthesis and metabolism in late gestation. <i>Biology of Reproduction</i> , 2018, 99, 662-670.	1.2	9
61	Secretion and Metabolism of Steroids in Subprimate Mammals During Pregnancy. , 1998, , 291-318.		9
62	Assessing oocyte development and maturation in the threatened Delta Smelt, <i>Hypomesus transpacificus</i> . <i>Environmental Biology of Fishes</i> , 2016, 99, 423-432.	0.4	8
63	Inhibin-A and inhibin-B in cyclic and pregnant mares, and mares with granulosa-theca cell tumors: Physiological and diagnostic implications. <i>Theriogenology</i> , 2018, 108, 192-200.	0.9	8
64	Tissue steroid levels in response to reduced testicular estrogen synthesis in the male pig, <i>Sus scrofa</i> . <i>PLoS ONE</i> , 2019, 14, e0215390.	1.1	8
65	Modulation of higher-primate adrenal androgen secretion with estrogen-alone or estrogen-plus-progesterone intervention. <i>Menopause</i> , 2013, 20, 322-328.	0.8	8
66	Reducing endogenous estrogen during development alters hormone production by porcine Leydig cells and seminiferous tubules. <i>Domestic Animal Endocrinology</i> , 2008, 34, 100-108.	0.8	7
67	Anti-Müllerian hormone as a biomarker for acute testicular degeneration caused by toxic insults to stallion testes. <i>Theriogenology</i> , 2018, 116, 95-102.	0.9	6
68	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> , 2017, 18, 515-521.	0.7	6
69	Anti-Müllerian Hormone as a Diagnostic Marker for Equine Cryptorchidism in Three Cases with Equivocal Testosterone Concentrations. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 442-445.	0.4	5
70	Identification of Immunoreactive Luteinizing Hormone Receptors in the Adrenal Cortex of the Female Rhesus Macaque. <i>Reproductive Sciences</i> , 2016, 23, 524-530.	1.1	5
71	Inhibition of 5 $\alpha$ -reductase alters pregnane metabolism in the late pregnant mare. <i>Reproduction</i> , 2018, 155, 251-258.	1.1	5
72	5 $\alpha$ -dihydroprogesterone concentrations and synthesis in non-pregnant mares. <i>Journal of Endocrinology</i> , 2018, 238, 25-32.	1.2	5

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73	Genomic Structure of the Porcine CYP19 Locus and Expression of the CYP19A3 Paralog. <i>Genes</i> , 2021, 12, 533.	1.0	5
74	The steroid metabolome of pregnancy, insights into the maintenance of pregnancy and evolution of reproductive traits. <i>Molecular and Cellular Endocrinology</i> , 2021, 528, 111241.	1.6	5
75	Aromatase and the three little paralogs. <i>Biology of Reproduction</i> , 2021, 105, 5-6.	1.2	5
76	Electrochemistry of cytochrome P450 17 $\alpha$ -hydroxylase/17,20-lyase (P450c17). <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 62-67.	1.6	4
77	Effect of age and castration on serum anti-M $\Delta$ 1/4llerian hormone concentration in male alpacas. <i>Theriogenology</i> , 2018, 105, 174-177.	0.9	4
78	Testicular Atrophy and Epididymitis-Orchitis Associated with Infectious Bronchitis Virus in Broiler Breeder Roosters. <i>Avian Diseases</i> , 2022, 66, .	0.4	3
79	Longitudinal patterns in progesterone metabolites in pregnant and non-pregnant Steller sea lions ( <i>Eumetopias jubatus</i> ). <i>General and Comparative Endocrinology</i> , 2022, 326, 114069.	0.8	3
80	Endocrine and metabolic profile of peripubertal Standardbred colts. <i>Theriogenology</i> , 2018, 117, 78-84.	0.9	2
81	Why primate models matter. , 0, .		1
82	Algorithms predicting gestational stage from the maternal steroid metabolome of mares. <i>Journal of Endocrinology</i> , 2021, 252, 45-57.	1.2	1
83	Multifaceted epigenetic regulation of porcine testicular aromatase. <i>Molecular and Cellular Endocrinology</i> , 2021, 541, 111526.	1.6	0
84	Clinical and Histological Features of Ovarian Hypoplasia/Dysgenesis in Alpacas. <i>Frontiers in Veterinary Science</i> , 2022, 9, 837684.	0.9	0