

# Andrzej Sechman

## List of Publications by Year in descending order

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45  
papers

679  
citations

567281

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45  
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#	ARTICLE	IF	CITATIONS
1	Exogenous leptin advances puberty in domestic hen. <i>Domestic Animal Endocrinology</i> , 2006, 31, 211-226.	1.6	58
2	The role of thyroid hormones in regulation of chicken ovarian steroidogenesis. <i>General and Comparative Endocrinology</i> , 2013, 190, 68-75.	1.8	51
3	Effect of growth hormone on steroid content, proliferation and apoptosis in the chicken ovary during sexual maturation. <i>Cell and Tissue Research</i> , 2011, 345, 191-202.	2.9	49
4	Effect of 3,3,5-triiodothyronine and 3,5-diiodothyronine on progesterone production, cAMP synthesis, and mRNA expression of STAR, CYP11A1, and HSD3B genes in granulosa layer of chicken preovulatory follicles. <i>Domestic Animal Endocrinology</i> , 2011, 41, 137-149.	1.6	32
5	Expression of gelatinases (MMP-2 and MMP-9) and tissue inhibitors of metalloproteinases (TIMP-2 and TIMP-1) in the chicken ovary. <i>Cell and Tissue Research</i> , 2011, 345, 268-276.	2.1	29
6	Effects of PCB 126 and PCB 153 on secretion of steroid hormones and mRNA expression of steroidogenic genes ( STAR , HSD3B , CYP19A1) and estrogen receptors ( ER $\alpha$ , ER $\beta$ ) in prehierarchical chicken ovarian follicles. <i>Toxicology Letters</i> , 2016, 264, 29-37.	0.8	27
7	Influence of triiodothyronine (T3) on secretion of steroids and thyroid hormone receptor expression in chicken ovarian follicles. <i>Domestic Animal Endocrinology</i> , 2009, 37, 61-73.	1.6	26
8	Chicken oviduct as the target tissue for growth hormone action: effect on cell proliferation and apoptosis and on the gene expression of some oviduct-specific proteins. <i>Cell and Tissue Research</i> , 2014, 357, 363-372.	2.9	26
9	The expression of pituitary FSH $\beta$ and LH $\beta$ mRNA and gonadal FSH and LH receptor mRNA in the chicken embryo. <i>Reproductive Biology</i> , 2009, 9, 253-269.	1.9	23
10	Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on secretion of steroids and STAR, HSD3B and CYP19A1 mRNA expression in chicken ovarian follicles. <i>Toxicology Letters</i> , 2014, 225, 264-274.	0.8	22
11	Comparison of the in vitro effects of TCDD, PCB 126 and PCB 153 on thyroid-restricted gene expression and thyroid hormone secretion by the chicken thyroid gland. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 496-503.	4.0	22
12	Effect of tamoxifen on sex steroid concentrations in chicken ovarian follicles. <i>Acta Veterinaria Hungarica</i> , 2009, 57, 85-97.	0.5	18
13	Involvement of matrix metalloproteinases (MMP-2, -7, -9) and their tissue inhibitors (TIMP-2, -3) in the regression of chicken postovulatory follicles. <i>General and Comparative Endocrinology</i> , 2018, 260, 32-40.	1.8	17
14	Plasma thyroid hormones and corticosterone levels in blood of chicken embryos and post hatch chickens exposed during incubation to 1800 MHz electromagnetic field. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2014, 27, 114-22.	1.3	16
15	Selection of reference genes for quantitative real-time PCR analysis in chicken ovary following silver nanoparticle treatment. <i>Environmental Toxicology and Pharmacology</i> , 2017, 56, 186-190.	4.0	16
16	Effect of eCG treatment on gene expression of selected matrix metalloproteinases (MMP-2, MMP-7, MMP-9) in the chicken ovary. <i>Animal Reproduction Science</i> , 2021, 224, 106666.	1.5	16
17	Altered vitamin D3 metabolism in the ovary and periovarian adipose tissue of rats with letrozole-induced PCOS. <i>Histochemistry and Cell Biology</i> , 2021, 155, 101-116.	1.7	16
18	Sex Steroids Level in Blood Plasma and Ovarian Follicles of the Chimeric Chicken. <i>Transboundary and Emerging Diseases</i> , 2006, 53, 501-508.	0.6	15

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19	Expression of aryl hydrocarbon receptor 1 (AHR1), AHR1 nuclear translocator 1 (ARNT1) and CYP1 family monooxygenase mRNAs and their activity in chicken ovarian follicles following in vitro exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <i>Toxicology Letters</i> , 2015, 237, 100-111.	0.8	15
20	Nitrophenols suppress steroidogenesis in prehierarchical chicken ovarian follicles by targeting STAR, HSD3B1, and CYP19A1 and downregulating LH and estrogen receptor expression. <i>Domestic Animal Endocrinology</i> , 2020, 70, 106378.	1.6	15
21	Independent, Non-IGF-I Mediated, GH Action on Estradiol Secretion by Prehierarchical Ovarian Follicles in Chicken. In vitro Study. <i>Folia Biologica</i> , 2012, 60, 213-217.	0.5	14
22	Effect of Non-Steroidal Aromatase Inhibitor on Blood Plasma Ovarian Steroid and Thyroid Hormones in Laying Hen ( <i>Gallus domesticus</i> ). <i>Transboundary and Emerging Diseases</i> , 2003, 50, 333-338.	0.6	13
23	Effect of 9- <i>cis</i> Retinoic Acid (RA) on Progesterone and Estradiol Secretion and RA Receptor Expression in the Chicken Ovarian Follicles. <i>Folia Biologica</i> , 2008, 56, 65-72.	0.5	13
24	Administration of silver nanoparticles affects ovarian steroidogenesis and may influence thyroid hormone metabolism in hens ( <i>Gallus domesticus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111427.	6.0	13
25	<i>In vitro</i> Effects of TCDD, PCB126 and PCB153 on Estrogen Receptors, Caspases and Metalloproteinase-2 mRNA Expression in the Chicken Shell Gland. <i>Folia Biologica</i> , 2013, 61, 277-282.	0.5	12
26	Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on steroid concentrations in blood and gonads of chicken embryo. <i>Toxicology Letters</i> , 2011, 205, 190-195.	0.8	11
27	Structure and Steroidogenic Activity of the Granulosa Layer of F1 Preovulatory Ovarian Follicles of the Hen ( <i>Gallus domesticus</i> ). <i>Folia Biologica</i> , 2011, 59, 59-64.	0.5	9
28	Short Communication Expression and Localization of Growth Hormone Receptor in the Oviduct of the Laying Hen ( <i>Gallus domesticus</i> ). <i>Folia Biologica</i> , 2013, 61, 271-276.	0.5	9
29	Changes in proliferating and apoptotic markers in the oviductal magnum of chickens during sexual maturation. <i>Theriogenology</i> , 2016, 85, 1590-1598.	2.1	9
30	Expression of aquaporin 4 in the chicken oviduct following tamoxifen treatment. <i>Reproduction in Domestic Animals</i> , 2018, 53, 1339-1346.	1.4	8
31	Effect of Growth Hormone on Basal and LH-Stimulated Steroid Secretion by Chicken Yellow Ovarian Follicles. An <i>In Vitro</i> Study. <i>Folia Biologica</i> , 2014, 62, 313-319.	0.5	7
32	Tamoxifen Decreases Level of Immunoglobulins in Blood of the Hen ( <i>Gallus domesticus</i> ) without Alteration in Non-Immunoglobular Fractions of Plasma Proteins. <i>Transboundary and Emerging Diseases</i> , 2004, 51, 273-276.	0.6	6
33	Effect of weak electromagnetic field on cardiac work, concentration of thyroid hormones and blood aminotransferase level in the chick embryo. <i>Acta Veterinaria Hungarica</i> , 2013, 61, 383-392.	0.5	6
34	Nitrophenols are negative modulators of steroidogenesis in preovulatory follicles of the hen ( <i>Gallus</i> )	2.1	6
35	Response of the matrix metalloproteinase system of the chicken ovary to prolactin treatment. <i>Theriogenology</i> , 2021, 169, 21-28.	2.1	6
36	Effect of PCB 126 on aryl hydrocarbon receptor 1 (AHR1) and AHR1 nuclear translocator 1 (ARNT1) mRNA expression and CYP1 monooxygenase activity in chicken ( <i>Gallus domesticus</i> ) ovarian follicles. <i>Toxicology Letters</i> , 2015, 239, 73-80.	0.8	5

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37	In vitro effects of polychlorinated biphenyls and their hydroxylated metabolites on the synthesis and metabolism of iodothyronines in the chicken ( <i>Gallus domesticus</i> ) thyroid gland. <i>General and Comparative Endocrinology</i> , 2022, 318, 113989.	1.8	5
38	Immunolocalization of Leptin Receptor and mRNA Expression of Leptin and Estrogen Receptors as well as Caspases in the Chorioallantoic Membrane (CAM) of the Chicken Embryo. <i>Folia Biologica</i> , 2016, 64, 79-87.	0.5	4
39	Comparison of Sex Steroid Concentration in Blood Plasma and Ovarian Follicles of White Leghorn and Greenleg Partridge Laying Hens. <i>Annals of Animal Science</i> , 2011, 11, 507-520.	1.6	3
40	Course of hatch and developmental changes in thyroid hormone concentration in blood of chicken embryo following in ovo riboflavin supplementation. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2014, 38, 230-237.	0.5	3
41	Apoptosis in chicken ovarian follicles following in vitro exposure to TCDD, PCB 126 and PCB 153. <i>Annals of Animal Science</i> , 2017, 17, 787-798.	1.6	3
42	Effects of Silver Nanoparticles on Proliferation and Apoptosis in Granulosa Cells of Chicken Preovulatory Follicles: An In Vitro Study. <i>Animals</i> , 2021, 11, 1652.	2.3	2
43	Alterations in connexin 43 gene and protein expression in the chicken oviduct following tamoxifen treatment. <i>Theriogenology</i> , 2022, 188, 125-134.	2.1	2
44	Sodium Fluoride In Vitro Treatment Affects the Expression of Gonadotropin and Steroid Hormone Receptors in Chicken Embryonic Gonads. <i>Animals</i> , 2021, 11, 943.	2.3	1
45	Aquaporin 4 in the chicken oviduct during a pause in laying induced by food deprivation. , 2020, 343, 89-99.		0