Tom E Porter

List of Publications by Year
in descending order

67 papers	1,776 citations	218677 26 h-index	289244 40 g-index
73 all docs	73 docs citations	73 times ranked	1192 citing authors

#	Article	IF	Citations
1	Differential Steroid Production between Theca Interna and Theca Externa Cells: A Three-Cell Model for Follicular Steroidogenesis in Avian Species*. Endocrinology, 1989, 125, 109-116.	2.8	121
2	Ontogeny of the hypothalamoâ€“pituitaryâ€“adrenocortical axis in the chicken embryo: a review. Domestic Animal Endocrinology, 2004, 26, 267-275.	1.6	88
3	Is the Mammosomatotrope a Transitional Cell for the Functional Interconversion of Growth Hormone- and Prolactin- Secreting Cells? Suggestive Evidence from Virgin, Gestating, and Lactating Rats*. Endocrinology, 1990, 127, 2789-2794.	2.8	83
4	Insulin immuno-neutralization in chicken: effects on insulin signaling and gene expression in liver and muscle. Journal of Endocrinology, 2008, 197, 531-542.	2.6	82
5	Evidence for Bidirectional Interconversion of Mammotropes and Somatotropes: Rapid Reversion of Acidophilic Cell Types to Pregestational Proportions after Weaning*. Endocrinology, 1991, 129, 1215-1220.	2.8	77
6	QTL for several metabolic traits map to loci controlling growth and body composition in an F₂ intercross between high- and low-growth chicken lines. Physiological Genomics, 2009, 38, 241-249.	2.3	75
7	Transcriptional analysis of abdominal fat in genetically fat and lean chickens reveals adipokines, lipogenic genes and a link between hemostasis and leanness. BMC Genomics, 2013, 14, 557.	2.8	70
8	Chicken genomics resource: sequencing and annotation of 35,407 ESTs from single and multiple tissue cDNA libraries and CAP3 assembly of a chicken gene index. Physiological Genomics, 2006, 25, 514-524.	2.3	60
9	Transcriptional and pathway analysis in the hypothalamus of newly hatched chicks during fasting and delayed feeding. BMC Genomics, 2010, 11, 162.	2.8	57
10	Regulation of Somatotroph Differentiation and Growth Hormone (GH) Secretion by Corticosterone and GH-Releasing Hormone during Embryonic Development1. Endocrinology, 1999, 140, 1104-1110.	2.8	52
11	Gene expression profiling during cellular differentiation in the embryonic pituitary gland using cDNA microarrays. Physiological Genomics, 2006, 25, 414-425.	2.3	49
12	Identification of QTL controlling meat quality traits in an F2 cross between two chicken lines selected for either low or high growth rate. BMC Genomics, 2007, 8, 155.	2.8	43
13	Identification of the Blood-Borne Somatotroph-Differentiating Factor during Chicken Embryonic Development1. Endocrinology, 1997, 138, 4530-4535.	2.8	37
14	Effects of heat stress on performance, blood chemistry, and hypothalamic and pituitary mRNA expression in broiler chickens. Poultry Science, 2020, 99, 6317-6325.	3.4	37
15	Regulation of pituitary somatotroph differentiation by hormones of peripheral endocrine glands. Domestic Animal Endocrinology, 2005, 29, 52-62.	1.6	36
16	Transcriptional profiling of hypothalamus during development of adiposity in genetically selected fat and lean chickens. Physiological Genomics, 2010, 42, 157-167.	2.3	35
17	Ontogenic characterization of gene expression in the developing neuroendocrine system of the chick. General and Comparative Endocrinology, 2011, 171, 82-93.	1.8	31
18	Induction of Somatotroph Differentiation In Vivo by Corticosterone Administration During Chicken Embryonic Development. Endocrine, 1999, 11, 151-156.	2.2	30

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19	Ontogeny of Corticosterone-Inducible Growth Hormone-Secreting Cells during Chick Embryonic Development¹. Endocrinology, 2000, 141, 2683-2690.	2.8	30
20	Identification of the somatostatin receptor subtypes involved in regulation of growth hormone secretion in chickens. Molecular and Cellular Endocrinology, 2001, 182, 203-213.	3.2	30
21	Evaluation of glucocorticoid-induced growth hormone gene expression in chicken embryonic pituitary cells using a novel in situ mRNA quantitation method. Molecular and Cellular Endocrinology, 2003, 201, 13-23.	3.2	29
22	Uneven Regional Distributions of Prolactin- and Growth Hormone-Secreting Cells and Sexually Dimorphic Proportions of Prolactin Secretors in the Adenohypophysis of Adult Chickens. General and Comparative Endocrinology, 1995, 100, 246-254.	1.8	28
23	Expression of Chicken Thyroid-Stimulating Hormone Î²-Subunit Messenger Ribonucleic Acid during Embryonic and Neonatal Development*. Endocrinology, 1998, 139, 474-478.	2.8	28
24	Pituitary Expression of Type I and Type II Glucocorticoid Receptors during Chicken Embryonic Development and Their Involvement in Growth Hormone Cell Differentiation. Endocrinology, 2004, 145, 3523-3531.	2.8	28
25	Glucocorticoid Induction of Lactotrophs and Prolactin Gene Expression in Chicken Embryonic Pituitary Cells: A Delayed Response Relative to Stimulated Growth Hormone Production. Endocrinology, 2004, 145, 1322-1330.	2.8	28
26	Characterization of dissimilar steroid productions by granulosa, theca interna and theca externa cells during follicular maturation in the turkey (Meleagris gallopavo). General and Comparative Endocrinology, 1991, 84, 1-8.	1.8	26
27	Ontogeny of pituitary thyrotrophs and regulation by endogenous thyroid hormone feedback in the chick embryo. Journal of Endocrinology, 2005, 184, 407-416.	2.6	26
28	Changes in vasoactive intestinal peptide and tyrosine hydroxylase immunoreactivity in the brain of nest-deprived native Thai hen. General and Comparative Endocrinology, 2011, 171, 189-196.	1.8	24
29	Ontogeny of Prolactin-Secreting Cells during Chick Embryonic Development: Effect of Vasoactive Intestinal Peptide. General and Comparative Endocrinology, 1998, 112, 240-246.	1.8	23
30	Characterization of the hypothalamoâ€"pituitaryâ€"gonadal axis in low and high egg producing turkey hens. Poultry Science, 2020, 99, 1163-1173.	3.4	23
31	Differential responsiveness of somatotrophs to growth hormone-releasing hormone and thyrotropin-releasing hormone during chicken embryonic development. Molecular and Cellular Endocrinology, 1997, 132, 33-41.	3.2	22
32	Ovarian Steroid Production in Vitro During Gonadal Regression in the Turkey. I. Changes Associated with Incubation Behavior1. Biology of Reproduction, 1991, 45, 581-586.	2.7	21
33	Thyroid Hormones Interact with Glucocorticoids to Affect Somatotroph Abundance in Chicken Embryonic Pituitary Cells in Vitro. Endocrinology, 2003, 144, 3836-3841.	2.8	20
34	Cloning of partial cDNAs for the chicken glucocorticoid and mineralocorticoid receptors and characterization of mRNA levels in the anterior pituitary gland during chick embryonic development. Domestic Animal Endocrinology, 2007, 33, 226-239.	1.6	19
35	Characterization of gene expression in the hypothalamo-pituitary-gonadal axis during the preovulatory surge in the turkey hen. Poultry Science, 2019, 98, 7041-7049.	3.4	18
36	Expression and regulation of glucocorticoid-induced leucine zipper in the developing anterior pituitary gland. Journal of Molecular Endocrinology, 2009, 42, 171-183.	2.5	17

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37	Alternative splicing variants and DNA methylation status of BDNF in inbred chicken lines. Brain Research, 2009, 1269, 1-10.	2.2	17
38	Delayed Feeding Alters Transcriptional and Post-Transcriptional Regulation of Hepatic Metabolic Pathways in Peri-Hatch Broiler Chicks. Genes, 2019, 10, 272.	2.4	17
39	Functional characterization of chicken glucocorticoid and mineralocorticoid receptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1257-R1268.	1.8	16
40	Transcriptome analyses of liver in newly-hatched chicks during the metabolic perturbation of fasting and re-feeding reveals THRSPA as the key lipogenic transcription factor. BMC Genomics, 2020, 21, 109.	2.8	16
41	Neuroendocrine regulation of rearing behavior in the native Thai hen. Acta Histochemica, 2013, 115, 209-218.	1.8	15
42	Identification of microRNAs controlling hepatic mRNA levels for metabolic genes during the metabolic transition from embryonic to posthatch development in the chicken. BMC Genomics, 2017, 18, 687.	2.8	15
43	Regulation of Somatotroph Differentiation and Growth Hormone (GH) Secretion by Corticosterone and GH-Releasing Hormone during Embryonic Development. Endocrinology, 1999, 140, 1104-1110.	2.8	15
44	Insulin immuno-neutralization in fed chickens: effects on liver and muscle transcriptome. Physiological Genomics, 2012, 44, 283-292.	2.3	14
45	Mechanisms Involved in Glucocorticoid Induction of Pituitary GH Expression During Embryonic Development. Endocrinology, 2015, 156, 1066-1079.	2.8	13
46	Regulation of Chicken Embryonic Growth Hormone Secretion by Corticosterone and Triiodothyronine: Evidence for a Negative Synergistic Response. Endocrine, 2001, 14, 363-368.	2.2	12
47	Transcriptome Analysis During Follicle Development in Turkey Hens With Low and High Egg Production. Frontiers in Genetics, 2021, 12, 619196.	2.3	11
48	Identification of the Blood-Borne Somatotroph-Differentiating Factor during Chicken Embryonic Development. Endocrinology, 1997, 138, 4530-4535.	2.8	11
49	Expression of Chicken Thyroid-Stimulating Hormone Â-Subunit Messenger Ribonucleic Acid during Embryonic and Neonatal Development. Endocrinology, 1998, 139, 474-478.	2.8	11
50	Identification of <i>cis</i> elements necessary for glucocorticoid induction of growth hormone gene expression in chicken embryonic pituitary cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R606-R619.	1.8	9
51	Ras-dva Is a Novel Pit-1- and Glucocorticoid-Regulated Gene in the Embryonic Anterior Pituitary Gland. Endocrinology, 2013, 154, 308-319.	2.8	9
52	Glucocorticoid-induced changes in gene expression in embryonic anterior pituitary cells. Physiological Genomics, 2013, 45, 422-433.	2.3	9
53	Ontogeny of Corticosterone-Inducible Growth Hormone-Secreting Cells during Chick Embryonic Development. Endocrinology, 2000, 141, 2683-2690.	2.8	9
54	Transcriptional profiling and pathway analysis reveal differences in pituitary gland function, morphology, and vascularization in chickens genetically selected for high or low body weight. BMC Genomics, 2019, 20, 316.	2.8	8

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55	Transcriptome analysis of the hypothalamus and pituitary of turkey hens with low and high egg production. BMC Genomics, 2020, 21, 647.	2.8	8
56	Changes in Gene Expression during Pituitary Morphogenesis and Organogenesis in the Chick Embryo. Endocrinology, 2011, 152, 989-1000.	2.8	7
57	Characterization of hypothalamoâ€“pituitaryâ€“thyroid axis gene expression in the hypothalamus, pituitary gland, and ovarian follicles of turkey hens during the preovulatory surge and in hens with low and high egg production. Poultry Science, 2021, 100, 100928.	3.4	7
58	The Effect of Commercial Genetic Selection on Somatotropic Gene Expression in Broilers: A Potential Role for Insulin-Like Growth Factor Binding Proteins in Regulating Broiler Growth and Body Composition. Frontiers in Physiology, 0, 13, .	2.8	6
59	The increase in prolactin-secreting cells in incubating chicken hens can be mimicked by extended treatment of pituitary cells in vitro with vasoactive intestinal polypeptide (VIP). Domestic Animal Endocrinology, 2006, 30, 126-134.	1.6	5
60	Differences in in vitro responses of the hypothalamoâ€“pituitaryâ€“gonadal hormonal axis between low- and high-egg-producing turkey hens. Poultry Science, 2020, 99, 6221-6232.	3.4	5
61	Distribution of hypothalamic vasoactive intestinal peptide immunoreactive neurons in the male native Thai chicken. Animal Reproduction Science, 2016, 171, 27-35.	1.5	2
62	Distribution of mesotocin-immunoreactive neurons in the brain of the male native Thai chicken. Acta Histochemica, 2017, 119, 804-811.	1.8	1
63	Editorial: honour and gratitude. World's Poultry Science Journal, 2021, 77, 503-503.	3.0	1
64	Remodeling of Hepatocyte Mitochondrial Metabolism and De Novo Lipogenesis During the Embryonic-to-Neonatal Transition in Chickens. Frontiers in Physiology, 2022, 13, 870451.	2.8	1
65	Transcriptomics of Physiological Systems. , 2015, , 15-23.		0
66	Transcriptomic analysis of physiological systems. , 2022, , 17-27.		0
67	Editorial: Charging forward. World's Poultry Science Journal, 2022, 78, 1-2.	3.0	0