B Senthilkumaran

List of Publications by Year
in descending order

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48 papers	1,552 citations	279487 23 h-index	301761 39 g-index
48 all docs	48 docs citations	48 times ranked	1182 citing authors

#	Article	IF	Citations
1	Expression profile of kisspeptin2 and gonadotropin-releasing hormone2 mRNA during photo-thermal and melatonin treatments in the female air-breathing catfish Heteropneustes fossilis. Fish Physiology and Biochemistry, 2020, 46, 2403-2419.	0.9	13
2	Identification of kisspeptin2 cDNA in the catfish Heteropneustes fossilis: Expression profile, in situ localization and steroid modulation. General and Comparative Endocrinology, 2020, 294, 113472.	0.8	16
3	Molecular cloning and characterization of a gonadotropin-releasing hormone 2 precursor cDNA in the catfish Heteropneustes fossilis: Expression profile and regulation by ovarian steroids. General and Comparative Endocrinology, 2019, 280, 134-146.	0.8	8
4	Expression profiling of c-kit and its impact after esiRNA silencing during gonadal development in catfish. General and Comparative Endocrinology, 2018, 266, 38-51.	0.8	6
5	Identification, cloning and expression profile of sycp3 during gonadal cycle and after siRNA silencing in catfish. Gene Reports, 2018, 10, 54-65.	0.4	6
6	Molecular cloning, expression analysis and transcript localization of testicular orphan nuclear receptor 2 in the male catfish, Clarias batrachus. General and Comparative Endocrinology, 2016, 239, 71-79.	0.8	1
7	Cloning and characterization of a riboflavin-binding hexamerin from the larval fat body of a lepidopteran stored grain pest, Corcyra cephalonica. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 194-195, 58-64.	0.7	2
8	Early exposure of 17Î±â€ethynylestradiol and diethylstilbestrol induces morphological changes and alters ovarian steroidogenic pathway enzyme gene expression in catfish, Clarias gariepinus. Environmental Toxicology, 2015, 30, 439-451.	2.1	29
9	Gene expression analysis in gonads and brain of catfish Clarias batrachus after the exposure of malathion. Ecotoxicology and Environmental Safety, 2014, 102, 210-219.	2.9	14
10	Two-dimensional proteomic analysis of gonads of air-breathing catfish, Clarias batrachus after the exposure of endosulfan and malathion. Environmental Toxicology and Pharmacology, 2014, 37, 1006-1014.	2.0	9
11	Endosulfan and flutamide impair testicular development in the juvenile Asian catfish, Clarias batrachus. Aquatic Toxicology, 2012, 110-111, 123-132.	1.9	62
12	Endosulfan and flutamide, alone and in combination, target ovarian growth in juvenile catfish, Clarias batrachus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 491-497.	1.3	23
13	Expression and immunolocalization of 20Î²-hydroxysteroid dehydrogenase during testicular cycle and after hCG induction, in vivo in the catfish, Clarias gariepinus. General and Comparative Endocrinology, 2012, 175, 48-54.	0.8	24
14	Dimorphic Expression of Various Transcription Factor and Steroidogenic Enzyme Genes during Gonadal Ontogeny in the Air-Breathing Catfish, <i>Clarias gariepinus</i>. Sexual Development, 2011, 5, 213-223.	1.1	75
15	Gender differences in tryptophan hydroxylase-2 mRNA, serotonin, and 5-hydroxytryptophan levels in the brain of catfish, Clarias gariepinus, during sex differentiation. General and Comparative Endocrinology, 2011, 171, 94-104.	0.8	27
16	Cloning and differential expression of FOXL2 during ovarian development and recrudescence of the catfish, Clarias gariepinus. General and Comparative Endocrinology, 2011, 174, 259-268.	0.8	41
17	Dimorphic expression of tryptophan hydroxylase in the brain of XX and XY Nile tilapia during early development. General and Comparative Endocrinology, 2010, 166, 320-329.	0.8	23
18	Cytochrome P450 aromatases: Impact on gonadal development, recrudescence and effect of hCG in the catfish, Clarias gariepinus. General and Comparative Endocrinology, 2010, 167, 234-245.	0.8	40

#	Article	IF	Citations
19	Cloning, expression and enzyme activity analysis of testicular 11Î²-hydroxysteroid dehydrogenase during seasonal cycle and after hCG induction in air-breathing catfish Clarias gariepinus. Journal of Steroid Biochemistry and Molecular Biology, 2010, 120, 1-10.	1.2	32
20	Identification of multiple dmrt1s in catfish: localization, dimorphic expression pattern, changes during testicular cycle and after methyltestosterone treatment. Journal of Molecular Endocrinology, 2009, 42, 437-448.	1.1	79
21	Influence of ethynylestradiol and methyltestosterone on the hypothalamoâ€“hypophysealâ€“gonadal axis of adult air-breathing catfish, Clarias gariepinus. Aquatic Toxicology, 2009, 95, 222-229.	1.9	15
22	Seabream GnRH immunoreactivity in brain and pituitary of XX and XY Nile tilapia, Oreochromis niloticus during early development. Journal of Experimental Zoology, 2008, 309A, 419-426.	1.2	19
23	Co-administration of C-Phycocyanin ameliorates thioacetamide-induced hepatic encephalopathy in Wistar rats. Journal of the Neurological Sciences, 2007, 252, 67-75.	0.3	56
24	Fulminant Hepatic Failure in Rats Induces Oxidative Stress Differentially in Cerebral Cortex, Cerebellum and Pons Medulla. Neurochemical Research, 2007, 32, 517-524.	1.6	71
25	Thyroid hormones modulate the hypothalamoâ€“hypophysealâ€“gonadal axis in teleosts: Molecular insights. Fish Physiology and Biochemistry, 2007, 33, 335-345.	0.9	33
26	Phospholipid and cholesterol alterations accompany structural disarray in myelin membrane of rats with hepatic encephalopathy induced by thioacetamide. Neurochemistry International, 2006, 49, 238-244.	1.9	19
27	Effect of methyl testosterone- and ethynyl estradiol-induced sex differentiation on catfish, Clarias gariepinus: expression profiles of DMRT1, Cytochrome P450aromatases and 3 Î²-hydroxysteroid dehydrogenase. Fish Physiology and Biochemistry, 2005, 31, 143-147.	0.9	22
28	Seabream GnRH: partial cDNA cloning, localization and stage-dependent expression in the ovary of snake head murrel, Channa striatus. Fish Physiology and Biochemistry, 2005, 31, 157-161.	0.9	1
29	Effect of thyroid hormone depletion on monoamines and expression patterns of catfish GnRH in the air-breathing catfish, Clarias gariepinus. Fish Physiology and Biochemistry, 2005, 31, 189-192.	0.9	2
30	Cloning, expression and characterization of three types of 17Î²-hydroxysteroid dehydrogenases from the Nile tilapia, Oreochromis niloticus. Journal of Molecular Endocrinology, 2005, 35, 103-116.	1.1	56
31	Molecular cloning of the three gonadotropin subunits and early expression of FSHÎ² during sex differentiation in the nile tilapia, Oreochromis niloticus. Fish Physiology and Biochemistry, 2003, 28, 143-144.	0.9	10
32	Isolation, characterization and expression of 11beta-hydroxysteroid dehydrogenase type 2 cDNAs from the testes of Japanese eel (Anguilla japonica) and Nile tilapia (Oreochromis niloticus). Journal of Molecular Endocrinology, 2003, 31, 305-315.	1.1	55
33	Effects of Serotonin, GABA and Neuropeptide Y on Seabream Gonadotropin Releasing Hormone Release In Vitro from Preoptic-Anterior Hypothalamus and Pituitary of Red Seabream, Pagrus major. Journal of Neuroendocrinology, 2001, 13, 395-400.	1.2	65
34	Periovulatory changes in catfish ovarian oestradiol-17beta, oestrogen-2-hydroxylase and catechol-O-methyltransferase during GnRH analogue-induced ovulation and in vitro induction of oocyte maturation by catecholoestrogens. Journal of Endocrinology, 2001, 168, 239-247.	1.2	34
35	Unique Expression of Gonadotropin-I and -II Subunit Genes in Male and Female Red Seabream (Pagrus) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	127
36	Pituitary-gonadal Relationship in the Catfish Clarias batrachus (L): A Study Correlating Gonadotrophin-II and Sex Steroid Dynamics. Zoological Science, 2000, 17, 395-404.	0.3	13

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37	Distribution and Seasonal Variations in Levels of Three Native GnRHs in the Brain and Pituitary of Perciform Fish. Journal of Neuroendocrinology, 1999, 11, 181-186.	1.2	125
38	Title is missing!. Fish Physiology and Biochemistry, 1998, 19, 359-364.	0.9	5
39	Annual and Diurnal Variations in, and Effects of Altered Photoperiod and Temperature, Ovariectomy, and Estradiol-17Î² Replacement on Catechol-O-Methyltransferase Level in Brain Regions of the Catfish, Heteropneustes fossilis. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 119, 37-44.	0.5	9
40	Periovulatory changes in hypothalamic and pituitary monoamines following GnRH analogue treatment in the catfish Heteropneustes fossilis: a study correlating changes in plasma hormone profiles. Journal of Endocrinology, 1998, 156, 365-372.	1.2	33
41	Effects of Administration of Some Monoamine-Synthesis Blockers and Precursors on Ovariectomy-Induced Rise in Plasma Gonadotropin II in the CatfishHeteropneustes fossilis. General and Comparative Endocrinology, 1996, 101, 220-226.	0.8	42
42	Effects of melatonin, p-chlorophenylalanine, and ?-methylparatyrosine on plasma gonadotropin level and ovarian activity in the catfish, Heteropneustes fossilis: A study correlating changes in hypothalamic monoamines. Fish Physiology and Biochemistry, 1995, 14, 471-480.	0.9	20
43	A Turnover Study of Hypothalamic Monoamine Oxidase (MAO) and Effects of MAO Inhibition on Gonadotropin Secretion in the Female Catfish, Heteropneustes fossilis. General and Comparative Endocrinology, 1995, 97, 1-12.	0.8	11
44	Changes in Hypothalamic Catecholamines, Dopamine-Î²-hydroxylase, and Phenylethanolamine-N-methyltransferase in the Catfish Heteropneustes fossilis in Relation to Season, Raised Photoperiod and Temperature, Ovariectomy, and Estradiol-17Î² Replacement. General and Comparative Endocrinology, 1995, 97, 121-134.	0.8	71
45	Effects of ovariectomy and oestradiol replacement on hypothalamic serotonergic and monoamine oxidase activity in the catfish, Heteropneustes fossilis: a study correlating plasma oestradiol and gonadotrophin levels. Journal of Endocrinology, 1994, 142, 193-203.	1.2	47
46	Effects of photoperiod alterations on day-night variations in hypothalamic serotonin content and turnover, and monoamine oxidase activity in the female catfish, Heteropneustes fossilis (Bloch). Fish Physiology and Biochemistry, 1994, 13, 301-307.	0.9	13
47	Annual cyclic, and castration and cyproterone acetate-induced, changes in sialic acid content of the seminal vesicle of the catfish, Heteropneustes fossilis (Bloch). Fish Physiology and Biochemistry, 1993, 10, 425-430.	0.9	14
48	Annual Variations in Hypothalamic Serotonin and Monoamine Oxidase in the Catfish Heteropneustes fossilis with a Note on Brain Regional Differences of Day-Night Variations in Gonadal Preparatory Phase. General and Comparative Endocrinology, 1993, 90, 372-382.	0.8	34