

# 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	Unique Expression of Gonadotropin-I and -II Subunit Genes in Male and Female Red Seabream ( <i>Pagrus</i> ) Tj ETQq1 1 0.784314 127	1.2	127
2	Distribution and Seasonal Variations in Levels of Three Native GnRHs in the Brain and Pituitary of Perciform Fish. <i>Journal of Neuroendocrinology</i> , 1999, 11, 181-186.	1.2	125
3	Identification of multiple dmrt1s in catfish: localization, dimorphic expression pattern, changes during testicular cycle and after methyltestosterone treatment. <i>Journal of Molecular Endocrinology</i> , 2009, 42, 437-448.	1.1	79
4	Dimorphic Expression of Various Transcription Factor and Steroidogenic Enzyme Genes during Gonadal Ontogeny in the Air-Breathing Catfish, &i>&i>Clarias gariepinus&i>/i>. <i>Sexual Development</i> , 2011, 5, 213-223.	1.1	75
5	Changes in Hypothalamic Catecholamines, Dopamine- $\beta$ -hydroxylase, and Phenylethanolamine-N-methyltransferase in the Catfish <i>Heteropneustes fossilis</i> in Relation to Season, Raised Photoperiod and Temperature, Ovariectomy, and Estradiol-17 $\beta$ Replacement. <i>General and Comparative Endocrinology</i> , 1995, 97, 121-134.	0.8	71
6	Fulminant Hepatic Failure in Rats Induces Oxidative Stress Differentially in Cerebral Cortex, Cerebellum and Pons Medulla. <i>Neurochemical Research</i> , 2007, 32, 517-524.	1.6	71
7	Effects of Serotonin, GABA and Neuropeptide Y on Seabream Gonadotropin Releasing Hormone Release In Vitro from Preoptic-Anterior Hypothalamus and Pituitary of Red Seabream, <i>Pagrus major</i> . <i>Journal of Neuroendocrinology</i> , 2001, 13, 395-400.	1.2	65
8	Endosulfan and flutamide impair testicular development in the juvenile Asian catfish, <i>Clarias batrachus</i> . <i>Aquatic Toxicology</i> , 2012, 110-111, 123-132.	1.9	62
9	Cloning, expression and characterization of three types of 17 $\beta$ -hydroxysteroid dehydrogenases from the Nile tilapia, <i>Oreochromis niloticus</i> . <i>Journal of Molecular Endocrinology</i> , 2005, 35, 103-116.	1.1	56
10	Co-administration of C-Phycocyanin ameliorates thioacetamide-induced hepatic encephalopathy in Wistar rats. <i>Journal of the Neurological Sciences</i> , 2007, 252, 67-75.	0.3	56
11	Isolation, characterization and expression of 11beta-hydroxysteroid dehydrogenase type 2 cDNAs from the testes of Japanese eel ( <i>Anguilla japonica</i> ) and Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Journal of Molecular Endocrinology</i> , 2003, 31, 305-315.	1.1	55
12	Effects of ovariectomy and oestradiol replacement on hypothalamic serotonergic and monoamine oxidase activity in the catfish, <i>Heteropneustes fossilis</i> : a study correlating plasma oestradiol and gonadotrophin levels. <i>Journal of Endocrinology</i> , 1994, 142, 193-203.	1.2	47
13	Effects of Administration of Some Monoamine-Synthesis Blockers and Precursors on Ovariectomy-Induced Rise in Plasma Gonadotropin II in the Catfish <i>Heteropneustes fossilis</i> . <i>General and Comparative Endocrinology</i> , 1996, 101, 220-226.	0.8	42
14	Cloning and differential expression of FOXL2 during ovarian development and recrudescence of the catfish, <i>Clarias gariepinus</i> . <i>General and Comparative Endocrinology</i> , 2011, 174, 259-268.	0.8	41
15	Cytochrome P450 aromatases: Impact on gonadal development, recrudescence and effect of hCG in the catfish, <i>Clarias gariepinus</i> . <i>General and Comparative Endocrinology</i> , 2010, 167, 234-245.	0.8	40
16	Annual Variations in Hypothalamic Serotonin and Monoamine Oxidase in the Catfish <i>Heteropneustes fossilis</i> with a Note on Brain Regional Differences of Day-Night Variations in Gonadal Preparatory Phase. <i>General and Comparative Endocrinology</i> , 1993, 90, 372-382.	0.8	34
17	Periovarulatory 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 catecholestrogens. <i>Journal of Endocrinology</i> , 2001, 168, 239-247.	1.2	34
18	Periovarulatory changes in hypothalamic and pituitary monoamines following GnRH analogue treatment in the catfish <i>Heteropneustes fossilis</i> : a study correlating changes in plasma hormone profiles. <i>Journal of Endocrinology</i> , 1998, 156, 365-372.	1.2	33

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19	Thyroid hormones modulate the hypothalamo-hypophyseal gonadal axis in teleosts: Molecular insights. <i>Fish Physiology and Biochemistry</i> , 2007, 33, 335-345.	0.9	33
20	Cloning, expression and enzyme activity analysis of testicular 11 $\beta$ -hydroxysteroid dehydrogenase during seasonal cycle and after hCG induction in air-breathing catfish <i>Clarias gariepinus</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 120, 1-10.	1.2	32
21	Early exposure of 17 $\beta$ -ethynylestradiol and diethylstilbestrol induces morphological changes and alters ovarian steroidogenic pathway enzyme gene expression in catfish, <i>Clarias gariepinus</i> . <i>Environmental Toxicology</i> , 2015, 30, 439-451.	2.1	29
22	Gender differences in tryptophan hydroxylase-2 mRNA, serotonin, and 5-hydroxytryptophan levels in the brain of catfish, <i>Clarias gariepinus</i> , during sex differentiation. <i>General and Comparative Endocrinology</i> , 2011, 171, 94-104.	0.8	27
23	Expression and immunolocalization of 20 $\beta$ -hydroxysteroid dehydrogenase during testicular cycle and after hCG induction, in vivo in the catfish, <i>Clarias gariepinus</i> . <i>General and Comparative Endocrinology</i> , 2012, 175, 48-54.	0.8	24
24	Dimorphic expression of tryptophan hydroxylase in the brain of XX and XY Nile tilapia during early development. <i>General and Comparative Endocrinology</i> , 2010, 166, 320-329.	0.8	23
25	Endosulfan and flutamide, alone and in combination, target ovarian growth in juvenile catfish, <i>Clarias batrachus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 491-497.	1.3	23
26	Effect of methyl testosterone- and ethynyl estradiol-induced sex differentiation on catfish, <i>Clarias gariepinus</i> : expression profiles of DMRT1, Cytochrome P450aromatases and 3 $\beta$ -hydroxysteroid dehydrogenase. <i>Fish Physiology and Biochemistry</i> , 2005, 31, 143-147.	0.9	22
27	Effects of melatonin, p-chlorophenylalanine, and ?-methylparatyrosine on plasma gonadotropin level and ovarian activity in the catfish, <i>Heteropneustes fossilis</i> : A study correlating changes in hypothalamic monoamines. <i>Fish Physiology and Biochemistry</i> , 1995, 14, 471-480.	0.9	20
28	Phospholipid and cholesterol alterations accompany structural disarray in myelin membrane of rats with hepatic encephalopathy induced by thioacetamide. <i>Neurochemistry International</i> , 2006, 49, 238-244.	1.9	19
29	Seabream GnRH immunoreactivity in brain and pituitary of XX and XY Nile tilapia, <i>Oreochromis niloticus</i> during early development. <i>Journal of Experimental Zoology</i> , 2008, 309A, 419-426.	1.2	19
30	Identification of kisspeptin2 cDNA in the catfish <i>Heteropneustes fossilis</i> : Expression profile, in situ localization and steroid modulation. <i>General and Comparative Endocrinology</i> , 2020, 294, 113472.	0.8	16
31	Influence of ethynylestradiol and methyltestosterone on the hypothalamo-hypophyseal gonadal axis of adult air-breathing catfish, <i>Clarias gariepinus</i> . <i>Aquatic Toxicology</i> , 2009, 95, 222-229.	1.9	15
32	Annual cyclic, and castration and cyproterone acetate-induced, changes in sialic acid content of the seminal vesicle of the catfish, <i>Heteropneustes fossilis</i> (Bloch). <i>Fish Physiology and Biochemistry</i> , 1993, 10, 425-430.	0.9	14
33	Gene expression analysis in gonads and brain of catfish <i>Clarias batrachus</i> after the exposure of malathion. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 210-219.	2.9	14
34	Effects of photoperiod alterations on day-night variations in hypothalamic serotonin content and turnover, and monoamine oxidase activity in the female catfish, <i>Heteropneustes fossilis</i> (Bloch). <i>Fish Physiology and Biochemistry</i> , 1994, 13, 301-307.	0.9	13
35	Pituitary-gonadal Relationship in the Catfish <i>Clarias batrachus</i> (L): A Study Correlating Gonadotrophin-II and Sex Steroid Dynamics. <i>Zoological Science</i> , 2000, 17, 395-404.	0.3	13
36	Expression profile of kisspeptin2 and gonadotropin-releasing hormone2 mRNA during photo-thermal and melatonin treatments in the female air-breathing catfish <i>Heteropneustes fossilis</i> . <i>Fish Physiology and Biochemistry</i> , 2020, 46, 2403-2419.	0.9	13

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37	A Turnover Study of Hypothalamic Monoamine Oxidase (MAO) and Effects of MAO Inhibition on Gonadotropin Secretion in the Female Catfish, <i>Heteropneustes fossilis</i> . <i>General and Comparative Endocrinology</i> , 1995, 97, 1-12.	0.8	11
38	Molecular cloning of the three gonadotropin subunits and early expression of FSH $\beta$ during sex differentiation in the Nile tilapia, <i>Oreochromis niloticus</i> . <i>Fish Physiology and Biochemistry</i> , 2003, 28, 143-144.	0.9	10
39	Annual and Diurnal Variations in, and Effects of Altered Photoperiod and Temperature, Ovariectomy, and Estradiol-17 $\beta$ Replacement on Catechol-O-Methyltransferase Level in Brain Regions of the Catfish, <i>Heteropneustes fossilis</i> . <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1998, 119, 37-44.	0.5	9
40	Two-dimensional proteomic analysis of gonads of air-breathing catfish, <i>Clarias batrachus</i> after the exposure of endosulfan and malathion. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 1006-1014.	2.0	9
41	Molecular cloning and characterization of a gonadotropin-releasing hormone 2 precursor cDNA in the catfish <i>Heteropneustes fossilis</i> : Expression profile and regulation by ovarian steroids. <i>General and Comparative Endocrinology</i> , 2019, 280, 134-146.	0.8	8
42	Expression profiling of c-kit and its impact after esiRNA silencing during gonadal development in catfish. <i>General and Comparative Endocrinology</i> , 2018, 266, 38-51.	0.8	6
43	Identification, cloning and expression profile of sycp3 during gonadal cycle and after siRNA silencing in catfish. <i>Gene Reports</i> , 2018, 10, 54-65.	0.4	6
44	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 1998, 19, 359-364.	0.9	5
45	Effect of thyroid hormone depletion on monoamines and expression patterns of catfish GnRH in the air-breathing catfish, <i>Clarias gariepinus</i> . <i>Fish Physiology and Biochemistry</i> , 2005, 31, 189-192.	0.9	2
46	Cloning and characterization of a riboflavin-binding hexamerin from the larval fat body of a lepidopteran stored grain pest, <i>Corcyra cephalonica</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 194-195, 58-64.	0.7	2
47	Seabream GnRH: partial cDNA cloning, localization and stage-dependent expression in the ovary of snake head murrel, <i>Channa striatus</i> . <i>Fish Physiology and Biochemistry</i> , 2005, 31, 157-161.	0.9	1
48	Molecular cloning, expression analysis and transcript localization of testicular orphan nuclear receptor 2 in the male catfish, <i>Clarias batrachus</i> . <i>General and Comparative Endocrinology</i> , 2016, 239, 71-79.	0.8	1