

Hiroataka Ishii

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,252
citations

361045

20
h-index

243296

44
g-index

49
all docs

49
docs citations

49
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult male rat hippocampus synthesizes estradiol from pregnenolone by cytochromes P45017 β and P450 aromatase localized in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 865-870.	3.3	584
2	Estrogen synthesis in the brain—Role in synaptic plasticity and memory. Molecular and Cellular Endocrinology, 2008, 290, 31-43.	1.6	185
3	Rapid modulation of long-term depression and spinogenesis via synaptic estrogen receptors in hippocampal principal neurons. Journal of Neurochemistry, 2007, 100, 950-967.	2.1	180
4	Comparison between Hippocampus-Synthesized and Circulation-Derived Sex Steroids in the Hippocampus. Endocrinology, 2009, 150, 5106-5112.	1.4	141
5	Hippocampal cytochrome P450s synthesize brain neurosteroids which are paracrine neuromodulators of synaptic signal transduction. Biochimica Et Biophysica Acta - General Subjects, 2003, 1619, 301-316.	1.1	119
6	Hippocampal synthesis of estrogens and androgens which are paracrine modulators of synaptic plasticity: Synaptocrinology. Neuroscience, 2006, 138, 757-764.	1.1	99
7	Local Neurosteroid Production in the Hippocampus: Influence on Synaptic Plasticity of Memory. Neuroendocrinology, 2006, 84, 255-263.	1.2	98
8	Retinoic Acid Stimulates 17 β -Estradiol and Testosterone Synthesis in Rat Hippocampal Slice Cultures. Endocrinology, 2009, 150, 4260-4269.	1.4	72
9	Hippocampal Synthesis of Sex Steroids and Corticosteroids: Essential for Modulation of Synaptic Plasticity. Frontiers in Endocrinology, 2011, 2, 43.	1.5	65
10	Local Production of Sex Hormones and Their Modulation of Hippocampal Synaptic Plasticity. Neuroscientist, 2007, 13, 323-334.	2.6	62
11	Activation of β -Amino Butyric Acid Receptors Excites Gonadotrophin-Releasing Hormone Neurones Isolated from Adult Rats. Journal of Neuroendocrinology, 2008, 20, 566-575.	1.2	58
12	Gene structures, biochemical characterization and distribution of rat melatonin receptors. Journal of Physiological Sciences, 2009, 59, 37-47.	0.9	56
13	17 β -Estradiol at Physiological Concentrations Augments Ca ²⁺ -Activated K ⁺ Currents via Estrogen Receptor β in the Gonadotropin-Releasing Hormone Neuronal Cell Line GT1-7. Endocrinology, 2008, 149, 774-782.	1.4	42
14	Semicomprehensive Analysis of the Postnatal Age-Related Changes in the mRNA Expression of Sex Steroidogenic Enzymes and Sex Steroid Receptors in the Male Rat Hippocampus. Endocrinology, 2010, 151, 5795-5806.	1.4	42
15	Role of Cytochrome P450 in Synaptocrinology: Endogenous Estrogen Synthesis in the Brain Hippocampus. Drug Metabolism Reviews, 2006, 38, 353-369.	1.5	35
16	Endogenous Synthesis of Corticosteroids in the Hippocampus. PLoS ONE, 2011, 6, e21631.	1.1	32
17	Alternative promoter usage and alternative splicing of the rat estrogen receptor β gene generate numerous mRNA variants with distinct 5'-ends. Journal of Steroid Biochemistry and Molecular Biology, 2010, 118, 59-69.	1.2	30
18	Enhancement of nitric oxide production by association of nitric oxide synthase with N-methyl-d-aspartate receptors via postsynaptic density 95 in genetically engineered Chinese hamster ovary cells: real-time fluorescence imaging using nitric oxide sensitive dye. Journal of Neurochemistry, 2006, 96, 1531-1539.	2.1	25

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19	Identification of novel splicing events and post-transcriptional regulation of human estrogen receptor $\hat{\pm}$ F isoforms. <i>Molecular and Cellular Endocrinology</i> , 2011, 333, 55-61.	1.6	24
20	Comparison of sex-steroid synthesis between neonatal and adult rat hippocampus. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 62-66.	1.0	23
21	Rat GnRH Neurons Exhibit Large Conductance Voltage- and Ca ²⁺ -Activated K ⁺ (BK) Currents and Express BK Channel mRNAs. <i>Journal of Physiological Sciences</i> , 2008, 58, 21-29.	0.9	18
22	Complex organization of the 5' untranslated region of the mouse estrogen receptor $\hat{\pm}$ gene: Identification of numerous mRNA transcripts with distinct 5' ends. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 125, 211-218.	1.2	18
23	Characterization of sevoflurane effects on Per2 expression using ex vivo bioluminescence imaging of the suprachiasmatic nucleus in transgenic rats. <i>Neuroscience Research</i> , 2016, 107, 30-37.	1.0	18
24	Characterization of the fundamental properties of the N-terminal truncation ($\hat{\pm}$ exon 1) variant of estrogen receptor $\hat{\pm}$ in the rat. <i>Gene</i> , 2015, 571, 117-125.	1.0	17
25	Applicability of Anti-Human Estrogen Receptor $\hat{\pm}$ Antibody PPZ0506 for the Immunodetection of Rodent Estrogen Receptor $\hat{\pm}$ Proteins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6312.	1.8	17
26	Somatostatin Inhibition of GnRH Neuronal Activity and the Morphological Relationship between GnRH and Somatostatin Neurons in Rats. <i>Endocrinology</i> , 2012, 153, 806-814.	1.4	16
27	Human C-terminally truncated ER $\hat{\pm}$ variants resulting from the use of alternative exons in the ligand-binding domain. <i>Molecular and Cellular Endocrinology</i> , 2016, 425, 111-122.	1.6	16
28	Co-expression of the calcitonin receptor gene in the hypothalamic kisspeptin neurons in female rats. <i>Reproductive Medicine and Biology</i> , 2018, 17, 164-172.	1.0	16
29	GnRH(1-5), a metabolite of gonadotropin-releasing hormone, enhances luteinizing hormone release via activation of kisspeptin neurons in female rats. <i>Endocrine Journal</i> , 2020, 67, 409-418.	0.7	16
30	Novel splicing events and post-transcriptional regulation of human estrogen receptor $\hat{\pm}$ E isoforms. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 133, 120-128.	1.2	15
31	Identification of C-terminally and N-terminally truncated estrogen receptor $\hat{\pm}$ variants in the mouse. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 124, 38-46.	1.2	14
32	Voltage-gated Ca ²⁺ channel mRNAs and T-type Ca ²⁺ currents in rat gonadotropin-releasing hormone neurons. <i>Journal of Physiological Sciences</i> , 2010, 60, 195-204.	0.9	12
33	Subunit profiling and functional characteristics of acetylcholine receptors in GT1-7 cells. <i>Journal of Physiological Sciences</i> , 2017, 67, 313-323.	0.9	10
34	Morphological Analysis of Trafficking and Processing of Anionic and Cationic Liposomes in Cultured Cells. <i>Acta Histochemica Et Cytochemica</i> , 2018, 51, 81-92.	0.8	10
35	Optimization of immunohistochemical detection of rat ESR2 proteins with well-validated monoclonal antibody PPZ0506. <i>Molecular and Cellular Endocrinology</i> , 2021, 523, 111145.	1.6	10
36	Puerperal and parental experiences alter rat preferences for pup odors via changes in the oxytocin system. <i>Journal of Reproduction and Development</i> , 2016, 62, 17-27.	0.5	10

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37	Ca ²⁺ Channels and Ca ²⁺ -Activated K ⁺ Channels in Adult Rat Gonadotrophin-Releasing Hormone Neurons. <i>Journal of Neuroendocrinology</i> , 2009, 21, 312-315.	1.2	9
38	Characterization of rodent constitutively active estrogen receptor β variants and their constitutive transactivation mechanisms. <i>General and Comparative Endocrinology</i> , 2017, 248, 16-26.	0.8	9
39	Suitable reference gene selection for gene expression studies in knee osteoarthritis synovium using quantitative PCR analysis. <i>Connective Tissue Research</i> , 2018, 59, 356-368.	1.1	8
40	Cetorelix, a Gonadotropin-Releasing Hormone Antagonist, Induces the Expression of Melatonin Receptor 1a in the Gonadotropin-Releasing Hormone Neuronal Cell Line GT1 α . <i>Neuroendocrinology</i> , 2009, 90, 251-259.	1.2	7
41	Establishment of an in vitro cell line experimental system for the study of inhalational anesthetic mechanisms. <i>Neuroscience Letters</i> , 2016, 620, 163-168.	1.0	4
42	Identification of a novel C-terminally truncated estrogen receptor β variant (ER β 34) with constitutive transactivation and estrogen receptor antagonist resistance. <i>Molecular and Cellular Endocrinology</i> , 2020, 503, 110693.	1.6	4
43	Accurate assessment of estrogen receptor profiles in non-functioning pituitary adenomas using RT-digital PCR and immunohistochemistry. <i>Life Sciences</i> , 2020, 260, 118416.	2.0	3
44	Identification of Novel C-Terminally Truncated Estrogen Receptor β Variant Transcripts and Their Distribution in Humans. <i>Journal of Nippon Medical School</i> , 2021, 88, 54-62.	0.3	3
45	Quantitative expression data of human estrogen receptor β variants in non-functioning pituitary adenomas obtained by reverse transcription-digital polymerase chain reaction analysis. <i>Data in Brief</i> , 2020, 33, 106452.	0.5	0
46	Optimized Immunohistochemical Detection of Rat ESR2 Proteins Using the Specific Anti-ESR2 Monoclonal Antibody PPZ0506. <i>Journal of the Endocrine Society</i> , 2021, 5, A813-A813.	0.1	0
47	Local Production of Estrogen and its Rapid Modulatory Action on Synaptic Plasticity. , 2008, , 143-169.		0
48	Genomic Organization of the 5 \prime -untranslated Regions of Estrogen Receptor β Genes. <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2018, 14, 157-164.	0.0	0
49	Stable Reference Gene Selection for Reverse Transcription-Quantitative PCR (RT-qPCR) Analyses in Orthopaedic Research. <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2019, 15, 24-31.	0.0	0