James L Roberts

List of Publications by Year in descending order

95 papers	6,380 citations	61857 43 h-index	66788 78 g-index
97 all docs	97 docs citations	97 times ranked	3659 citing authors

#	Article	IF	Citations
1	Immortalization of hypothalamic GnRH by genetically targeted tumorigenesis. Neuron, 1990, 5, 1-10.	3.8	989
2	Identification of proopiomelanocortin neurones in rat hypothalamus by in situ cDNA-mRNA hybridization. Nature, 1983, 306, 374-376.	13.7	284
3	Regulation of Proopiomelanocortin Gene Expression in Pituitary. Endocrine Reviews, 1988, 9, 135-158.	8.9	245
4	Steps involved in the processing of common precursor forms of adrenocorticotropin and endorphin in cultures of mouse pituitary cells. Biochemistry, 1978, 17, 3609-3618.	1.2	206
5	WIN55,212â€2, a cannabinoid receptor agonist, protects against nigrostriatal cell loss in the 1â€methylâ€4â€phenylâ€1,2,3,6â€tetrahydropyridine mouse model of Parkinsonâ€™s disease. European Journal of Neuroscience, 2009, 29, 2177-2186.	3.2	202
6	Fasting Regulates Hypothalamic Neuropeptide Y, Agouti-Related Peptide, and Proopiomelanocortin in Diabetic Mice Independent of Changes in Leptin or Insulin1. Endocrinology, 1999, 140, 4551-4557.	1.4	174
7	Estrogen Decreases Rat Hypothalamic Proopiomelanocortin Messenger Ribonucleic Acid Levels*. Endocrinology, 1985, 117, 2392-2396.	1.4	173
8	Gonadotropin-Releasing Hormone and NMDA Receptor Gene Expression and Colocalization Change during Puberty in Female Rats. Journal of Neuroscience, 1996, 16, 5281-5289.	1.7	146
9	Regulation of Gonadotropin-Releasing Hormone Gene Expressionin Vivoandin Vitro. Frontiers in Neuroendocrinology, 1997, 18, 209-245.	2.5	135
10	In SituHybridization Histochemistry: A Technique for the Study of Gene Expression in Single Cells. DNA and Cell Biology, 1983, 2, 157-163.	5.1	134
11	DIFFERENTIAL REGULATION BY GLUCOCORTICOIDS OF PROOPIOMELANOCORTIN mRNA LEVELS IN THE ANTERIOR AND INTERMEDIATE LOBES OF THE RAT PITUITARY. Endocrinology, 1982, 110, 1442-1444.	1.4	130
12	Molecular cloning and primary structure of rat testes metalloendopeptidase EC 3.4.24.15. Biochemistry, 1990, 29, 10323-10329.	1.2	130
13	Complex Transcriptional Regulation by Glucocorticoids and Corticotropin-Releasing Hormone of Proopiomelanocortin Gene Expression in Rat Pituitary Cultures. DNA and Cell Biology, 1987, 6, 483-492.	5.1	106
14	Corticotrope Response to Removal of Releasing Factors and Corticosteroids in Vivo*. Endocrinology, 1985, 117, 2190-2197.	1.4	104
15	Selective reduction of proadrenocorticotropin/endorphin proteins and messenger ribonucleic acid activity in mouse pituitary tumor cells by glucocorticoids. Biochemistry, 1979, 18, 4907-4915.	1.2	93
16	Modulation of Basal and Corticotropin-Releasing Factor- Stimulated Proopiomelanocortin Gene Expression by Vasopressin in Rat Anterior Pituitary*. Endocrinology, 1989, 125, 2957-2966.	1.4	93
17	Postnatal Development of Gonadotropin-Releasing Hormone and Cyclophilin Gene Expression in the Female and Male Rat Brain*. Endocrinology, 1991, 128, 2702-2708.	1.4	93
18	Estradiol stimulates preoptic area-anterior hypothalamic proGnRH-GAP gene expression in ovariectomized rats. Molecular Brain Research, 1989, 6, 127-134.	2.5	92

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19	Macrophage-mediated GDNF Delivery Protects Against Dopaminergic Neurodegeneration: A Therapeutic Strategy for Parkinson's Disease. Molecular Therapy, 2010, 18, 1536-1544.	3.7	91
20	Neuropeptide Specificity and Inhibition of Recombinant Isoforms of the Endopeptidase 3.4.24.16 Family: Comparison with the Related Recombinant Endopeptidase 3.4.24.15. Biochemical and Biophysical Research Communications, 1998, 250, 5-11.	1.0	80
21	Thiol Activation of Endopeptidase EC 3.4.24.15. Journal of Biological Chemistry, 1997, 272, 17395-17399.	1.6	75
22	Corticotropin-Releasing Factor Differentially Regulates Anterior and Intermediate Pituitary Lobe Proopiomelanocortin Gene Transcription, Nuclear Precursor RNA and Mature mRNA in vivo. Neuroendocrinology, 1990, 51, 123-130.	1.2	74
23	Expression of cloned Î²-endorphin gene sequences by Escherichia coli. Nature, 1980, 285, 456-461.	13.7	71
24	Glucocorticoid Repression of the Mouse Gonadotropin-releasing Hormone Gene Is Mediated by Promoter Elements That Are Recognized by Heteromeric Complexes Containing Glucocorticoid Receptor. Journal of Biological Chemistry, 1996, 271, 20412-20420.	1.6	71
25	Androgens Induce Dopaminergic Neurotoxicity via Caspase-3-Dependent Activation of Protein Kinase CÎ´. Endocrinology, 2009, 150, 5539-5548.	1.4	67
26	Mechanisms for the Regulation of Gonadotropin-Releasing Hormone Gene Expression in the Developing Mouse¹. Endocrinology, 1999, 140, 2280-2287.	1.4	66
27	Androgen Regulation of Proopiomelanocortin Gene Expression and Peptide Content in the Basal Hypothalamus*. Endocrinology, 1989, 124, 2283-2288.	1.4	65
28	Analysis of Proopiomelanocortin Gene Expression during Prenatal Development of the Rat Pituitary Gland. Molecular Endocrinology, 1989, 3, 1313-1324.	3.7	62
29	The association of metalloendopeptidase EC 3.4.24.15 at the extracellular surface of the AtT-20 cell plasma membrane. Brain Research, 1999, 835, 113-124.	1.1	62
30	Stimulation of Pituitary Luteinizing Hormone Secretion by Gonadotropin-Releasing Hormone is Not Coupled to Î²-Luteinizing Hormone Gene Transcription. Molecular Endocrinology, 1988, 2, 1033-1042.	3.7	60
31	Alternative transcripts of the rat and human dopamine D3 receptor. Biochemical and Biophysical Research Communications, 1991, 180, 1031-1035.	1.0	57
32	Endopeptidase EC 3.4.24.15 Presence in the Rat Median Eminence and Hypophysial Portal Blood and its Modulation of the Luteinizing Hormone Surge. Journal of Neuroendocrinology, 1997, 9, 813-822.	1.2	57
33	Secretion of Metalloendopeptidase 24.15 (EC 3.4.24.15). DNA and Cell Biology, 1999, 18, 781-789.	0.9	54
34	The Regulation of Granulosa Cell Proopiomelanocortin Messenger Ribonucleic Acid by Androgens and Gonadotropins*. Endocrinology, 1986, 119, 2082-2088.	1.4	52
35	Dopamine D2-receptor messenger RNA is differentially regulated by dopaminergic agents in rat anterior and neurointermediate pituitary. Molecular and Cellular Endocrinology, 1989, 67, 101-105.	1.6	52
36	Multiplex Solution Hybridization-Ribonuclease Protection Assay for Quantitation of Different Ribonucleic Acid Transcripts from Snap-Frozen Neuroendocrine Tissues of Individual Animals. Journal of Neuroendocrinology, 1992, 4, 79-89.	1.2	52

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37	Loss of heterozygosity at the retinoblastoma locus in human pituitary tumors. Cancer, 1994, 74, 693-696.	2.0	51
38	[35] In Situ cDNA;mRNA hybridization: Development of technique to measure mRNA levels in individual cells. Methods in Enzymology, 1986, 124, 510-533.	0.4	50
39	The proopiocortin (adrenocorticotropin/?-lipotropin) gene is located on chromosome 2 in humans. Somatic Cell Genetics, 1981, 7, 359-369.	2.7	48
40	Differential subcellular distribution of neurolysin (EC 3.4.24.16) and thimet oligopeptidase (EC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.1	47
41	Neuroprotection by estrogen against MPP+-induced dopamine neuron death is mediated by ERÎ± in primary cultures of mouse mesencephalon. Experimental Neurology, 2007, 204, 767-776.	2.0	46
42	PRESENCE OF A PRE-SEQUENCE (SIGNAL SEQUENCE) IN THE COMMON PRECURSOR TO ACTH AND ENDORPHIN AND THE ROLE OF GLYCOSYLATION IN PROCESSING OF THE PRECURSOR AND SECRETION OF ACTH AND ENDORPHIN. Annals of the New York Academy of Sciences, 1980, 343, 79-93.	1.8	45
43	Hormonal Regulation of POMC Gene Expression in Pituitary. Annals of the New York Academy of Sciences, 1987, 512, 275-285.	1.8	43
44	Gonadotropin-Releasing Hormone and Chorionic Gonadotropin Gene Expression in Human Placental Development. DNA and Cell Biology, 1991, 10, 411-421.	0.9	43
45	The Neuropeptide Processing Enzyme EC 3.4.24.15 Is Modulated by Protein Kinase A Phosphorylation. Journal of Biological Chemistry, 2000, 275, 36514-36522.	1.6	43
46	Retinoic acid protects against proteasome inhibition associated cell death in SH-SY5Y cells via the AKT pathway. Neurochemistry International, 2013, 62, 31-42.	1.9	42
47	Distribution of dopamine D2 receptor mRNA splice variants in the rat by solution mhybridization/protection assay. Neuroscience Letters, 1991, 122, 37-40.	1.0	41
48	Facilitation of Lordosis in Rats by a Metabolite of Luteinizing Hormone Releasing Hormone. Endocrinology, 2006, 147, 2544-2549.	1.4	41
49	CB1-independent inhibition of dopamine transporter activity by cannabinoids in mouse dorsal striatum. Journal of Neurochemistry, 2007, 101, 389-396.	2.1	41
50	Bone marrow-derived microglia-based neurturin delivery protects against dopaminergic neurodegeneration in a mouse model of Parkinson's disease. Neuroscience Letters, 2013, 535, 24-29.	1.0	41
51	Intervening sequence-specific in situ hybridization: detection of the pro-opiomelanocortin gene primary transcript in individual neurons. Molecular Brain Research, 1989, 6, 197-201.	2.5	39
52	Characterization of gonadotropin-releasing hormone gene transcripts in a mouse hypothalamic neuronal GT1 cell line. Molecular Brain Research, 1996, 42, 255-262.	2.5	39
53	Presence of luteinizing hormone-releasing hormone fragments in the rhesus monkey forebrain. Journal of Comparative Neurology, 2001, 439, 491-504.	0.9	39
54	Second messenger regulation of mouse gonadotropin-releasing hormone gene expression in immortalized mouse hypothalamic GT1â€“3 cells. Molecular and Cellular Endocrinology, 1994, 102, 85-92.	1.6	37

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55	Glucocorticoid repression of gonadotropin-releasing hormone gene expression and secretion in morphologically distinct subpopulations of GT1-7 cells1Presented in part at the 25th Annual Meeting of the Society for Neuroscience, San Diego, CA. This work was supported by NIH grants DK-47938 (to) Tj ETQq1 1 0.784314 rgBT /Overlock 131, 241-255.	1.7	37
56	Insulin-like growth factor-I mediates neuroprotection in proteasome inhibition-induced cytotoxicity in SH-SY5Y cells. Molecular and Cellular Neurosciences, 2011, 47, 181-190.	1.0	37
57	Ligand-Independent Effects of Estrogen Receptor Î² on Mouse Gonadotropin-Releasing Hormone Promoter Activity. Endocrinology, 2006, 147, 1924-1931.	1.4	35
58	Estrogen and Tamoxifen Differentially Regulate Beta-Endorphin and cFos Expression and Neuronal Colocalization in the Arcuate Nucleus of the Rat. Neuroendocrinology, 2000, 72, 293-305.	1.2	34
59	Characterization of Multiple Promoters Directing Tissue-Specific Expression of the Human Gonadotropin-Releasing Hormone Gene1. Endocrinology, 1997, 138, 2754-2762.	1.4	33
60	Modulation of bradykinin signaling by EP24.15 and EP24.16 in cultured trigeminal ganglia. Journal of Neurochemistry, 2006, 97, 13-21.	2.1	33
61	Spore Formation by Bacillus subtilis in Peptone Solutions Altered by Treatment with Activated Charcoal. Journal of Bacteriology, 1942, 44, 653-659.	1.0	33
62	Molecular and Pharmacological Characterization of GABA_A Receptors in the Rat Pituitary. Journal of Neurochemistry, 1994, 63, 1948-1954.	2.1	32
63	The fatty acid synthase inhibitor cerulenin and feeding, like leptin, activate hypothalamic pro-opiomelanocortin (POMC) neurons. Brain Research, 2003, 985, 1-12.	1.1	32
64	Metalloendopeptidase EC3.4.24.15 is constitutively released from the exofacial leaflet of lipid rafts in GT1-7 cells. Journal of Neurochemistry, 2004, 90, 819-828.	2.1	32
65	Androgens exacerbate motor asymmetry in male rats with unilateral 6-hydroxydopamine lesion. Hormones and Behavior, 2011, 60, 617-624.	1.0	32
66	Stimulation of Luteinizing Hormone-Releasing Hormone (LHRH) Gene Expression in GT1â€“7 Cells by Its Metabolite, LHRH-(1â€“5). Endocrinology, 2005, 146, 280-286.	1.4	31
67	Analysis of Pro-opiomelancortin Gene Structure and Function. DNA and Cell Biology, 1983, 2, 1-8.	5.1	29
68	Postâ€Transcriptional Regulation of the Gonadotropinâ€Releasing Hormone Gene in GT1â€“7 Cells. Journal of Neuroendocrinology, 1997, 9, 271-277.	1.2	28
69	Either isoform of the dopamine D2 receptor can mediate dopaminergic repression of the rat prolactin promoter. Molecular and Cellular Endocrinology, 1991, 79, R1-R7.	1.6	27
70	Gonadotropin Regulation of the Rat Proopiomelanocortin Promoter: Characterization by Transfection of Primary Ovarian Granulosa Cells. Molecular Endocrinology, 1989, 3, 15-21.	3.7	25
71	17Î²-Estradiol Rapidly Enhances Bradykinin Signaling in Primary Sensory Neurons In Vitro and In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 190-196.	1.3	24
72	Endopeptidase-24.15 in rat hypothalamic/pituitary/gonadal axis. Molecular and Cellular Endocrinology, 1991, 76, 95-103.	1.6	23

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73	Adrenocorticotropin-Releasing Factor Down-Regulates Glucocorticoid Receptor Expression in Mouse Corticotrope Tumor Cells via an Adenylate Cyclase-Dependent Mechanism*. Endocrinology, 1991, 129, 663-670.	1.4	23
74	Fine Tuning PDK1 Activity by Phosphorylation at Ser163. Journal of Biological Chemistry, 2006, 281, 21588-21593.	1.6	23
75	LHRH-(1â€“5): a bioactive peptide regulating reproduction. Trends in Endocrinology and Metabolism, 2007, 18, 386-392.	3.1	23
76	Characterization of Multiple Promoters Directing Tissue-Specific Expression of the Human Gonadotropin-Releasing Hormone Gene. , 0, .		19
77	DNA sequences required for expression of the LHÎ² promoter in primary cultures of rat pituitary cells. Molecular and Cellular Endocrinology, 1990, 74, 101-107.	1.6	18
78	Calcium modulates endopeptidase 24.15 (EC 3.4.24.15) membrane association, secondary structure and substrate specificity. FEBS Journal, 2005, 272, 2978-2992.	2.2	18
79	EP24.15 is associated with lipid rafts. Journal of Neuroscience Research, 2003, 74, 468-473.	1.3	16
80	Activation of Estrogen Receptor Î± Enhances Bradykinin Signaling in Peripheral Sensory Neurons of Female Rats. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 526-532.	1.3	16
81	The Role of Calcium in the Transcriptional and Posttranscriptional Regulation of the Gonadotropin-Releasing Hormone Gene in GT1â€“7 Cells1. Endocrinology, 1998, 139, 2685-2691.	1.4	14
82	Estrogen protects against dopamine neuron toxicity in primary mesencephalic cultures through an indirect P13K/Akt mediated astrocyte pathway. Neuroscience Letters, 2016, 610, 79-85.	1.0	13
83	Evidence for a Signal Sequence at the N Terminus of the Common Precursor to Adrenocorticothrophin and beta-Lipotropin in Mouse Pituitary Cells. FEBS Journal, 1981, 116, 255-259.	0.2	12
84	Developmental Changes in Levels of Proopiomelanocortin Intron A-Containing Heterogeneous Nuclear RNA and Mature Messenger RNA in the Anterior and Neurointermediate Lobes of the Rat Pituitary. Molecular Endocrinology, 1990, 4, 812-820.	3.7	12
85	Functional Assessment of Intrahypothalamic Implants of Immortalized Gonadotropin-Releasing Hormone-Secreting Cells in Female Hypogonadal Mice. Cell Transplantation, 1993, 2, 251-257.	1.2	10
86	[17] Strategies for characterizing, cloning, and expressing soluble endopeptidases. Methods in Neurosciences, 1995, 23, 296-316.	0.5	10
87	Peptide hormone gene expression in heterogeneous tissues â€” The pro-opiomelanocortin system. Trends in Neurosciences, 1982, 5, 314-317.	4.2	9
88	Quantitation of Nuclear Low-Level Gene Expression in Central Nervous System Using Solution Hybridization and in Situ Hybridization. Methods in Neurosciences, 1989, 1, 293-303.	0.5	9
89	Protein synthesis-dependent and -independent mechanisms for the regulation of GnRH RNA transcript levels in GT1 cells. Brain Research, 1997, 752, 294-300.	1.1	8
90	Effect of N-methyl-d,l-aspartate (NMA) on gonadotropin-releasing hormone (GnRH) gene expression in male mice. Brain Research, 2000, 862, 238-241.	1.1	6

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91	The Regulation of Proopiomelanocortin Gene Expression by Estrogen in the Rat Hypothalamus. , 1986, , 261-270.		6
92	Chapter 4 Quantitative analysis of neuronal gene expression. Progress in Brain Research, 1994, 100, 33-37.	0.9	3
93	Derivatization of progesterone to a neurally active steroid by pituitary neurointermediate lobe. Steroids, 1998, 63, 579-586.	0.8	1
94	Dopamine Receptor-Mediated Gene Regulation in the Pituitary. , 1997, , 343-358.		1
95	The Biosynthesis of Peptide Hormones. , 1984, , 99-117.		0