Jean de Vellis

List of Publications by Year
in descending order

36 papers	1,296 citations	331670 21 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	1642 citing authors

#	Article	IF	Citations
1	NT-3-mediated TrkC receptor activation promotes proliferation and cell survival of rodent progenitor oligodendrocyte cells in vitro and in vivo. , 1998, 54, 754-765.		103
2	Signal transduction pathways induced by GM-CSF in microglia: Significance in the control of proliferation. , 1999, 26, 344-352.		83
3	Alternative splicing prevents transferrin secretion during differentiation of a human oligodendrocyte cell line. Journal of Neuroscience Research, 2000, 61, 388-395.	2.9	74
4	Canavan disease: A white matter disorder. Mental Retardation and Developmental Disabilities Research Reviews, 2006, 12, 157-165.	3.6	70
5	Id1, Id2, and Id3 gene expression in neural cells during development. , 1998, 24, 372-381.		67
6	Activation of Inflammatory Response by a Combination of Growth Factors in Cuprizone-Induced Demyelinated Brain Leads to Myelin Repair. Neurochemical Research, 2008, 33, 2615-2628.	3.3	63
7	Regulation of mRNAs for Three Enzymes in the Glial Cell Model C6 Cell Line. Journal of Neurochemistry, 1984, 43, 1455-1463.	3.9	59
8	Exercise decreases myelin-associated glycoprotein expression in the spinal cord and positively modulates neuronal growth. Glia, 2007, 55, 966-975.	4.9	55
9	Tumor necrosis factor-? regulation of the Id gene family in astrocytes and microglia during CNS inflammatory injury. , 1999, 26, 139-152.		53
10	Combination of Growth Factors Enhances Remyelination in a Cuprizone-induced Demyelination Mouse Model. Neurochemical Research, 2007, 32, 783-797.	3.3	50
11	Expression of the p75 TNF receptor is linked to TNF-induced NFkappaB translocation and oxyradical neutralization in glial cells. Neurochemical Research, 2002, 27, 1535-1542.	3.3	46
12	Induction of Glutamine Synthetase in Rat Astrocytes by Co-Cultivation with Embryonic Chick Neurons. Journal of Neurochemistry, 1988, 50, 929-935.	3.9	44
13	Tumor necrosis factor modulates transcription of myelin basic protein gene through nuclear factor kappa B in a human oligodendroglioma cell line. International Journal of Developmental Neuroscience, 2002, 20, 289-296.	1.6	43
14	Cortisol induction of glycerol phosphate dehydrogenase in a rat brain tumour cell line. Nature, 1974, 250, 422-424.	27.8	41
15	Myelin basic protein and transferrin characterize different subpopulations of oligodendrocytes in rat primary glial cultures. Journal of Neuroscience Research, 1988, 21, 181-187.	2.9	38
16	Oligodendrocytes as glucocorticoids target cells: functional analysis of the glycerol phosphate dehydrogenase gene. , 2000, 59, 436-445.		38
17	Preparation of Mixed Glial Cultures from Postnatal Rat Brain. Methods in Molecular Biology, 2012, 814, 49-59.	0.9	34
18	Lack of aspartoacylase activity disrupts survival and differentiation of neural progenitors and oligodendrocytes in a mouse model of Canavan disease. Journal of Neuroscience Research, 2009, 87, 3415-3427.	2.9	31

#	Article	IF	Citations
19	Recent Studies of the Glial Fibrillary Acidic Protein. Annals of the New York Academy of Sciences, 1985, 455, 525-537.	3.8	30
20	Spatiotemporally different origins of NG2 progenitors produce cortical interneurons versus glia in the mammalian forebrain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7444-7449.	7.1	28
21	Gene expression in astrocytes is affected by subculture. International Journal of Developmental Neuroscience, 1994, 12, 363-372.	1.6	26
22	Modulation of beta-adrenergic response in rat brain astrocytes by serum and hormones. Journal of Cellular Physiology, 1985, 122, 73-80.	4.1	25
23	Upregulation of the HLH Id gene family in neural progenitors and glial cells of the rat spinal cord following contusion injury. Journal of Neuroscience Research, 2001, 66, 1161-1172.	2.9	25
24	Developmental expression of rat brain mitogens for cultured astrocytes. Journal of Neuroscience Research, 1982, 8, 435-442.	2.9	23
25	Serum contains inducers and repressors of oligodendrocyte differentiation. Journal of Neuroscience Research, 1988, 20, 182-188.	2.9	22
26	Reversible inhibition of the hydrocortisone induction of glycerol phosphate dehydrogenase by cytochalasin B in rat glial C6 cells. Journal of Cellular Physiology, 1977, 93, 247-260.	4.1	21
27	Transferrin is an early marker of hepatic differentiation, and its expression correlates with the postnatal development of oligodendrocytes in mice. , 1997, 50, 421-432.		21
28	Paradoxical effects of sodium butyrate on the glucocorticoid inductions of glutamine synthetase and glycerol phosphate dehydrogenase in C6 cells. FEBS Letters, 1981, 126, 289-291.	2.8	18
29	Genetic Program of Neuronal Differentiation and Growth Induced by Specific Activation of NMDA Receptors. Neurochemical Research, 2007, 32, 363-376.	3.3	18
30	Stability of neuronal and glial marker enzymes in post-mortem rat brain. Neurochemical Research, 1986, 11, 383-392.	3.3	14
31	Ontogeny of glycerol phosphate dehydrogenasepositive oligodendrocytes in rat brain. Impaired differentiation of oligodendrocytes in the myelin deficient mutant rat. International Journal of Developmental Neuroscience, 1992, 10, 243-253.	1.6	11
32	White Matter Loss in a Mouse Model of Periventricular Leukomalacia Is Rescued by Trophic Factors. Brain Sciences, 2013, 3, 1461-1482.	2.3	10
33	Intellectual and developmental disabilities research centers: Fifty years of scientific accomplishments. Annals of Neurology, 2019, 86, 332-343.	5.3	5
34	Strategies for the therapeutic manipulation of cytokines and their receptors in inflammatory neurodegenerative diseases. Mental Retardation and Developmental Disabilities Research Reviews, 1998, 4, 200-211.	3.6	3
35	Neuroblastoma membranes inhibit isoproterenol-stimulated rise of cAMP in glioma cells. Journal of Cellular Physiology, 1984, 118, 241-246.	4.1	2
36	Upregulation of the HLH Id gene family in neural progenitors and glial cells of the rat spinal cord following contusion injury. Journal of Neuroscience Research, 2001, 66, 1161.	2.9	2