Sebastian Pons

List of Publications by Year
in descending order

55 papers	4,771 citations	117453 34 h-index	182168 51 g-index
61 all docs	61 docs citations	61 times ranked	5460 citing authors

#	Article	IF	Citations
1	Pathway-specific effects of ADSL deficiency on neurodevelopment. ELife, 2022, 11, .	2.8	7
2	Influence of core extension and side chain nature in targeting G-quadruplex structures with perylene monoimide derivatives. Bioorganic Chemistry, 2021, 108, 104660.	2.0	7
3	Dbnl and Î²-catenin promote pro-N-cadherin processing to maintain apico-basal polarity. Journal of Cell Biology, 2021, 220, .	2.3	8
4	The Role of Smad2 in Adult Neuroplasticity as Seen through Hippocampal-Dependent Spatial Learning/Memory and Neurogenesis. Journal of Neuroscience, 2021, 41, 6836-6849.	1.7	7
5	PI3K regulates intraepithelial cell positioning through Rho GTP-ases in the developing neural tube. Developmental Biology, 2018, 436, 42-54.	0.9	12
6	E proteins sharpen neurogenesis by modulating proneural bHLH transcription factorsâ€™ activity in an E-box-dependent manner. ELife, 2018, 7, .	2.8	25
7	Manipulating midbrain dopamine neurons and reward-related behaviors with light-controllable nicotinic acetylcholine receptors. ELife, 2018, 7, .	2.8	43
8	Delamination of neural crest cells requires transient and reversible Wnt inhibition mediated by DACT1/2. Development (Cambridge), 2016, 143, 2194-205.	1.2	39
9	Ciliary Adenylyl Cyclases control the Hedgehog pathway. Journal of Cell Science, 2015, 128, 2928-37.	1.2	43
10	Chemical speciation of MeHg⁺ and Hg²⁺ in aqueous solution and HEK cells nuclei by means of DNA interacting fluorogenic probes. Chemical Science, 2015, 6, 3757-3764.	3.7	31
11	Sustained Wnt/Î²-catenin signalling causes neuroepithelial aberrations through the accumulation of aPKC at the apical pole. Nature Communications, 2014, 5, 4168.	5.8	27
12	Smad2 and Smad3 cooperate and antagonize simultaneously in vertebrate neurogenesis. Development (Cambridge), 2014, 141, e107-e107.	1.2	0
13	MicroRNA 22 Regulates Cell Cycle Length in Cerebellar Granular Neuron Precursors. Molecular and Cellular Biology, 2013, 33, 2706-2717.	1.1	29
14	Smad2 and Smad3 cooperate and antagonize simultaneously in vertebrate neurogenesis. Journal of Cell Science, 2013, 126, 5335-43.	1.2	27
15	IRS-2 Deficiency Impairs NMDA Receptor-Dependent Long-term Potentiation. Cerebral Cortex, 2012, 22, 1717-1727.	1.6	66
16	Jagged2 controls the generation of motor neuron and oligodendrocyte progenitors in the ventral spinal cord. Cell Death and Differentiation, 2012, 19, 209-219.	5.0	37
17	Sonic Hedgehog-induced Proliferation Requires Specific GÎ± Inhibitory Proteins. Journal of Biological Chemistry, 2011, 286, 8067-8074.	1.6	42
18	Introducing Cloned Genes into Cultured Neurons Providing Novel In vitro Models for Neuropathology and Neurotoxicity Studies. Neuromethods, 2011, 56, 185-222.	0.2	1

#	Article	IF	Citations
19	Sonic-hedgehog-mediated proliferation requires the localization of PKA to the cilium base. Journal of Cell Science, 2010, 123, 62-69.	1.2	81
20	Sonic-hedgehog-mediated proliferation requires the localization of PKA to the cilium base. Development (Cambridge), 2010, 137, e1-e1.	1.2	0
21	Expression of the proneural gene encoding Mash1 suppresses MYCN mitotic activity. Journal of Cell Science, 2009, 122, 595-599.	1.2	16
22	Probucol Increases Glutathione Peroxidase-1 Activity and Displays Long-Lasting Protection against Methylmercury Toxicity in Cerebellar Granule Cells. Toxicological Sciences, 2009, 112, 416-426.	1.4	125
23	Effect of Acute and Chronic Whole-Body Vibration Exercise on Serum Insulin-Like Growth Factorâ€“1 Levels in Women with Fibromyalgia. Journal of Alternative and Complementary Medicine, 2009, 15, 573-578.	2.1	19
24	Bone Morphogenetic Protein 2 Opposes Shh-mediated Proliferation in Cerebellar Granule Cells through a TIEG-1-based Regulation of Nmyc. Journal of Biological Chemistry, 2007, 282, 37170-37180.	1.6	59
25	Bmp2 antagonizes sonic hedgehog-mediated proliferation of cerebellar granule neurones through Smad5 signalling. Development (Cambridge), 2004, 131, 3159-3168.	1.2	130
26	Â1-Integrins Are Critical for Cerebellar Granule Cell Precursor Proliferation. Journal of Neuroscience, 2004, 24, 3402-3412.	1.7	112
27	In vivo modulation of 5-hydroxytryptamine release in mouse prefrontal cortex by local 5-HT2A receptors: effect of antipsychotic drugs. European Journal of Neuroscience, 2003, 18, 1235-1246.	1.2	57
28	Glutamate excitotoxicity attenuates insulin-like growth factor-i prosurvival signaling. Molecular and Cellular Neurosciences, 2003, 24, 1027-1037.	1.0	43
29	Insulin-induced Up-regulated Uncoupling Protein-1 Expression Is Mediated by Insulin Receptor Substrate 1 through the Phosphatidylinositol 3-Kinase/Akt Signaling Pathway in Fetal Brown Adipocytes. Journal of Biological Chemistry, 2003, 278, 10221-10231.	1.6	59
30	Blockade of cannabinoid CB1 receptor function protects against inâ€ƒvivo disseminating brain damage following NMDA-induced excitotoxicity. Journal of Neurochemistry, 2002, 82, 154-158.	2.1	76
31	Insulin-like growth factor I potentiates kainate receptors through a phosphatidylinositol 3-kinase dependent pathway. NeuroReport, 2001, 12, 1293-1296.	0.6	37
32	Phosphatidylinositol-3-OH kinase regulatory subunits are differentially expressed during development of the rat cerebellum. Journal of Neurobiology, 2001, 47, 39-50.	3.7	25
33	Association of Insulin Receptor Substrate 1 (IRS-1) Y895 with Grb-2 Mediates the Insulin Signaling Involved in IRS-1-Deficient Brown Adipocyte Mitogenesis. Molecular and Cellular Biology, 2001, 21, 2269-2280.	1.1	35
34	Insulin-like Growth Factor-I Stimulates Dephosphorylation of IÎºB through the Serine Phosphatase Calcineurin (Protein Phosphatase 2B). Journal of Biological Chemistry, 2000, 275, 38620-38625.	1.6	86
35	Disruption of IRS-2 causes type 2 diabetes in mice. Nature, 1998, 391, 900-904.	13.7	1,607
36	A specific increased expression of insulin receptor substrate 2 in pancreatic beta-cell lines is involved in mediating serum-stimulated beta-cell growth. Diabetes, 1998, 47, 1074-1085.	0.3	55

#	Article	IF	Citations
37	Insulin Receptor Substrate (IRS) Proteins IRS-1 and IRS-2 Differential Signaling in the Insulin/Insulin-Like Growth Factor-I Pathways in Fetal Brown Adipocytes. Molecular Endocrinology, 1998, 12, 688-697.	3.7	53
38	Interaction of Wild Type and Dominant-Negative p55PIK Regulatory Subunit of Phosphatidylinositol 3-Kinase with Insulin-Like Growth Factor-1 Signaling Proteins. Molecular Endocrinology, 1997, 11, 1911-1923.	3.7	13
39	The IRS-2 Gene on Murine Chromosome 8 Encodes a Unique Signaling Adapter for Insulin and Cytokine Action. Molecular Endocrinology, 1997, 11, 251-262.	3.7	133
40	Heterologous Pleckstrin Homology Domains Do Not Couple IRS-1 to the Insulin Receptor. Journal of Biological Chemistry, 1997, 272, 27716-27721.	1.6	57
41	Calmodulin Activates Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 1997, 272, 28183-28186.	1.6	148
42	Janus Kinase-dependent Activation of Insulin Receptor Substrate 1 in Response to Interleukin-4, Oncostatin M, and the Interferons. Journal of Biological Chemistry, 1997, 272, 24183-24190.	1.6	110
43	The 60 kDa Insulin Receptor Substrate Functions Like an IRS Protein (pp60IRS3) in Adipose Cells. Biochemistry, 1997, 36, 8304-8310.	1.2	83
44	Interaction of p59fynwith Interferon-Activated Jak Kinases. Biochemical and Biophysical Research Communications, 1997, 235, 83-88.	1.0	56
45	Differential regulation of insulin receptor substrates-1 and -2 (IRS-1 and IRS-2) and phosphatidylinositol 3-kinase isoforms in liver and muscle of the obese diabetic (ob/ob) mouse.. Journal of Clinical Investigation, 1997, 100, 3164-3172.	3.9	257
46	The Fyn Tyrosine Kinase Binds Irs-1 and Forms a Distinct Signaling Complex during Insulin Stimulation. Journal of Biological Chemistry, 1996, 271, 10583-10587.	1.6	119
47	The insulin-like growth factor I system in the rat cerebellum: Developmental regulation and role in neuronal survival and differentiation. Journal of Neuroscience Research, 1994, 39, 117-126.	1.3	106
48	Estradiol Modulates Insulin-Like Growth Factor I Receptors and Binding Proteins in Neurons from the Hypothalamus. Journal of Neuroendocrinology, 1993, 5, 267-271.	1.2	67
49	Survival of Purkinje Cells in Cerebellar Cultures is Increased by Insulin-like Growth Factor I. European Journal of Neuroscience, 1992, 4, 864-869.	1.2	103
50	Estradiol promotes cell shape changes and glial fibrillary acidic protein redistribution in hypothalamic astrocytes in vitro: A neuronal-mediated effect. Glia, 1992, 6, 180-187.	2.5	82
51	Localization of insulin-like growth factor I (IGF-I)-like immunoreactivity in the developing and adult rat brain. Brain Research, 1991, 560, 167-174.	1.1	170
52	Climbing fiber deafferentation reduces insulin-like growth factor I (IGF-I) content in cerebellum. Brain Research, 1991, 564, 348-351.	1.1	39
53	Ontogeny of insulin-like growth factor I, its receptor, and its binding proteins in the rat hypothalamus. Developmental Brain Research, 1991, 62, 169-175.	2.1	37
54	Insulin Receptor Substrate (IRS) Proteins IRS-1 and IRS-2 Differential Signaling in the Insulin/Insulin-Like Growth Factor-I Pathways in Fetal Brown Adipocytes. , 0, .		21

#	Article	IF	Citations
55	SAICAr-Dependent and Independent Effects of ADSL Deficiency on Neurodevelopment. SSRN Electronic Journal, 0, , .	0.4	0