

Michel Simonneau

List of Publications by Year in descending order

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47
papers

2,459
citations

304602

22
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214721

47
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all docs

48
docs citations

48
times ranked

3429
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyalanine expansion and frameshift mutations of the paired-like homeobox gene PHOX2B in congenital central hypoventilation syndrome. <i>Nature Genetics</i> , 2003, 33, 459-461.	9.4	771
2	Modulation of the respiratory rhythm generator by the pontine noradrenergic A5 and A6 groups in rodents. <i>Respiratory Physiology and Neurobiology</i> , 2004, 143, 187-197.	0.7	145
3	DYRK1A interacts with the REST/NRSF-SWI/SNF chromatin remodelling complex to deregulate gene clusters involved in the neuronal phenotypic traits of Down syndrome. <i>Human Molecular Genetics</i> , 2009, 18, 1405-1414.	1.4	128
4	The fragile X mental retardation protein is a molecular adaptor between the neurospecific KIF3C kinesin and dendritic RNA granules. <i>Human Molecular Genetics</i> , 2007, 16, 3047-3058.	1.4	119
5	Fluorescent nanodiamond tracking reveals intraneuronal transport abnormalities induced by brain-disease-related genetic risk factors. <i>Nature Nanotechnology</i> , 2017, 12, 322-328.	15.6	111
6	Altered axonal targeting and short-term plasticity in the hippocampus of Disc1 mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1349-58.	3.3	100
7	Genetics of dopamine receptors and drug addiction. <i>Human Genetics</i> , 2012, 131, 803-822.	1.8	93
8	Convergent evidence identifying MAP/microtubule affinity-regulating kinase 1 (MARK1) as a susceptibility gene for autism. <i>Human Molecular Genetics</i> , 2008, 17, 2541-2551.	1.4	78
9	SMARCA2 and other genome-wide supported schizophrenia-associated genes: regulation by REST/NRSF, network organization and primate-specific evolution. <i>Human Molecular Genetics</i> , 2010, 19, 2841-2857.	1.4	78
10	Noradrenergic neuronal development is impaired by mutation of the proneural HASH-1 gene in congenital central hypoventilation syndrome (Ondine's curse). <i>Human Molecular Genetics</i> , 2003, 12, 3173-3180.	1.4	72
11	Genetics and Early Disturbances of Breathing Control: The Genetics of Childhood Disease and Development: A Series of Review Articles. <i>Pediatric Research</i> , 2004, 55, 729-733.	1.1	64
12	Single particle tracking of fluorescent nanodiamonds in cells and organisms. <i>Current Opinion in Solid State and Materials Science</i> , 2017, 21, 35-42.	5.6	56
13	CRE and TRE sequences of the rat tyrosine hydroxylase promoter are required for TH basal expression in adult mice but not in the embryo. <i>European Journal of Neuroscience</i> , 1998, 10, 508-521.	1.2	54
14	Ventilatory Responses to Hypercapnia and Hypoxia in Mash-1 Heterozygous Newborn and Adult Mice. <i>Pediatric Research</i> , 1999, 46, 535-535.	1.1	49
15	Impaired Ventilatory Responses to Hypoxia in Mice Deficient in Endothelin-Converting-Enzyme-1. <i>Pediatric Research</i> , 2001, 49, 705-712.	1.1	41
16	Survival motor neuron SMN1 and SMN2 gene promoters: identical sequences and differential expression in neurons and non-neuronal cells. <i>European Journal of Human Genetics</i> , 2004, 12, 729-737.	1.4	37
17	Single KTP nanocrystals as second-harmonic generation biolabels in cortical neurons. <i>Nanoscale</i> , 2013, 5, 8466.	2.8	37
18	MASH-1/RET pathway involvement in development of brain stem control of respiratory frequency in newborn mice. <i>Physiological Genomics</i> , 2001, 7, 149-157.	1.0	35

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19	Nrxn3 upregulation in the globus pallidus of mice developing cocaine addiction. <i>NeuroReport</i> , 2008, 19, 751-755.	0.6	30
20	Potassium channels in mouse neonate dorsal root ganglion cells: a patch-clamp study. <i>Brain Research</i> , 1987, 412, 224-232.	1.1	27
21	Somatostatin-IRES-Cre Mice: Between Knockout and Wild-Type?. <i>Frontiers in Endocrinology</i> , 2017, 8, 131.	1.5	26
22	Expression pattern of NOGO and NgR genes during human development. <i>Gene Expression Patterns</i> , 2005, 5, 561-568.	0.3	25
23	Expression of voltage-dependent sodium and transient potassium currents in an identified sub-population of dorsal root ganglion cells acutely isolated from 12-day-old mouse embryos. <i>Pflügers Archiv European Journal of Physiology</i> , 1989, 414, 360-368.	1.3	24
24	Murine peripherin gene sequences direct Cre recombinase expression to peripheral neurons in transgenic mice. <i>FEBS Letters</i> , 2002, 523, 68-72.	1.3	24
25	Storage and growth of neuroblastoma cells immobilized in calcium-alginate beads. <i>Applied Microbiology and Biotechnology</i> , 1990, 33, 442-7.	1.7	20
26	Polymorphisms of coding trinucleotide repeats of homeogenes in neurodevelopmental psychiatric disorders. <i>Psychiatric Genetics</i> , 2008, 18, 295-301.	0.6	19
27	Identification of a novel brain-specific and reelin-regulated gene that encodes a protein colocalized with synapsin. <i>European Journal of Neuroscience</i> , 2004, 20, 603-610.	1.2	17
28	Nrsf silencing induces molecular and subcellular changes linked to neuronal plasticity. <i>NeuroReport</i> , 2007, 18, 441-446.	0.6	17
29	Ventilatory responses to hypercapnia and hypoxia in heterozygous c-ret newborn mice. <i>Respiratory Physiology and Neurobiology</i> , 2002, 131, 213-222.	0.7	16
30	Genes modulating chemical breathing control: lessons from mutant animals. <i>Respiratory Physiology and Neurobiology</i> , 2003, 136, 105-114.	0.7	16
31	Association of DISC1 gene with schizophrenia in families from two distinct French and Algerian populations. <i>Psychiatric Genetics</i> , 2010, 20, 298-303.	0.6	16
32	Both upstream and intragenic sequences of the human neurofilament light gene direct expression of lacZ in neurons of transgenic mouse embryos. <i>Journal of Molecular Neuroscience</i> , 1994, 5, 273-295.	1.1	14
33	Cell type-specific expression of the mouse peripherin gene requires both upstream and intragenic sequences in transgenic mouse embryos. <i>Developmental Brain Research</i> , 1996, 92, 1-9.	2.1	11
34	Increased expression of BDNF mRNA in the frontal cortex of autistic patients. <i>Behavioural Brain Research</i> , 2019, 359, 903-909.	1.2	11
35	Cloning and Expression Analysis of a Novel Gene, RP42, Mapping to an Autism Susceptibility Locus on 6q16. <i>Genomics</i> , 2000, 65, 70-74.	1.3	10
36	Scorpion venom inhibits selectively Ca ²⁺ -activated K ⁺ channels in situ. <i>FEBS Letters</i> , 1986, 209, 165-168.	1.3	9

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37	Heart transplantation changes the expression of distinct gene families. <i>Physiological Genomics</i> , 2001, 7, 115-126.	1.0	7
38	Neuronal defects in genotyped dominant megacolon (Dom) mouse embryos, a model for Hirschsprung disease. <i>NeuroReport</i> , 1996, 7, 489-492.	0.6	6
39	Expression of the RSK2 gene during early human development. <i>Gene Expression Patterns</i> , 2004, 4, 111-114.	0.3	6
40	Molecular cloning and expression pattern of the Fkbp25 gene during cerebral cortical neurogenesis. <i>Gene Expression Patterns</i> , 2005, 5, 577-585.	0.3	6
41	Single channel currents in mouse embryonal multipotential carcinoma cells. <i>Cell Differentiation</i> , 1985, 17, 21-28.	1.3	5
42	Early neuronal and glial determination from mouse E10.5 telencephalon embryonic stem cells: an in vitro study. <i>NeuroReport</i> , 2002, 13, 1209-1214.	0.6	5
43	Large unit conductance voltage chloride channels are expressed in mouse neural crest cells and embryonic dorsal root ganglion cells. <i>Developmental Brain Research</i> , 1990, 51, 283-286.	2.1	4
44	Netrin G1: its downregulation in the nucleus accumbens of cocaine- α -conditioned mice and genetic association in human cocaine dependence. <i>Addiction Biology</i> , 2018, 23, 448-460.	1.4	3
45	Calcium alginate immobilization of mammalian neurons: A potential tool to purify ligands of neuronal membrane proteins. <i>Biotechnology Letters</i> , 1991, 5, 289-294.	0.5	2
46	Looking beyond the usual suspects: sulfide stress in schizophrenia pathophysiology. <i>EMBO Molecular Medicine</i> , 2019, 11, e10983.	3.3	2
47	Translational research identifies a metabolism pathway involved in first-episode of schizophrenia: Towards precision medicine. <i>EBioMedicine</i> , 2019, 46, 19-20.	2.7	0