

pierre Leprince

List of Publications by Year in descending order

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79
papers

3,973
citations

126907

33
h-index

123424

61
g-index

81
all docs

81
docs citations

81
times ranked

5190
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticity of Cultured Mesenchymal Stem Cells: Switch from Nestin-Positive to Excitable Neuron-Like Phenotype. <i>Stem Cells</i> , 2005, 23, 392-402.	3.2	395
2	Neurotransmitters as early signals for central nervous system development. <i>Cell and Tissue Research</i> , 2001, 305, 187-202.	2.9	335
3	Reelin signaling directly affects radial glia morphology and biochemical maturation. <i>Development (Cambridge)</i> , 2003, 130, 4597-4609.	2.5	212
4	Eccentric Muscle Contractions: Risks and Benefits. <i>Frontiers in Physiology</i> , 2019, 10, 536.	2.8	187
5	Regulation of neural markers nestin and GFAP expression by cultivated bone marrow stromal cells. <i>Journal of Cell Science</i> , 2003, 116, 3295-3302.	2.0	166
6	Update in the methodology of the chronic stress paradigm: internal control matters. <i>Behavioral and Brain Functions</i> , 2011, 7, 9.	3.3	124
7	Neuregulin Signaling Regulates Neural Precursor Growth and the Generation of Oligodendrocytes <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2001, 21, 4740-4751.	3.6	118
8	Radial glia phenotype: Origin, regulation, and transdifferentiation. <i>Journal of Neuroscience Research</i> , 2000, 61, 357-363.	2.9	115
9	Transforming growth factor β^2 as a neuronogial signal during peripheral nervous system response to injury. <i>Journal of Neuroscience Research</i> , 1993, 34, 32-43.	2.9	108
10	Effects of macrophage transplantation in the injured adult rat spinal cord: A combined immunocytochemical and biochemical study. <i>Journal of Neuroscience Research</i> , 1998, 51, 316-327.	2.9	107
11	Proteomics of life at low temperatures: trigger factor is the primary chaperone in the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Molecular Microbiology</i> , 2010, 76, 120-132.	2.5	91
12	Neuronotrophic effect of developing otic vesicle on cochleo-vestibular neurons: evidence for nerve growth factor involvement. <i>Brain Research</i> , 1990, 507, 254-260.	2.2	88
13	Life in the Cold: a Proteomic Study of Cold-Repressed Proteins in the Antarctic Bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3881-3883.	3.1	87
14	Puzzling Out Synaptic Vesicle 2 Family Members Functions. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 148.	2.9	85
15	Astrocytic and neuronal fate of mesenchymal stem cells expressing nestin. <i>Brain Research Bulletin</i> , 2005, 68, 95-102.	3.0	82
16	Nestin-positive mesenchymal stem cells favour the astroglial lineage in neural progenitors and stem cells by releasing active BMP4. <i>BMC Neuroscience</i> , 2004, 5, 33.	1.9	81
17	From Dormant to Germinating Spores of <i>Streptomyces coelicolor</i> A3(2): A New Perspectives from the <i>crp</i> Null Mutant. <i>Journal of Proteome Research</i> , 2005, 4, 1699-1708.	3.7	71
18	Grafts of syngenic cultured, adult dorsal root ganglion-derived Schwann cells to the injured spinal cord of adult rats: preliminary morphological studies. <i>Neuroscience Letters</i> , 1991, 124, 44-48.	2.1	66

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19	A Novel Biodegradable and Biocompatible Ceramer Prepared by the Solâ€Gel Process. <i>Chemistry of Materials</i> , 1997, 9, 871-874.	6.7	58
20	Brain basic fibroblast growth factor stimulates the release of plasminogen activators by newborn rat cultured astroglial cells. <i>Neuroscience Letters</i> , 1988, 91, 321-326.	2.1	55
21	Localization and photoaffinity labelling of the levetiracetam binding site in rat brain and certain cell lines. <i>European Journal of Pharmacology</i> , 2003, 478, 11-19.	3.5	55
22	Human Muscle Proteome Modifications after Acute or Repeated Eccentric Exercises. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 2281-2296.	0.4	52
23	Leukemia inhibitory factor induces an antiapoptotic response in oligodendrocytes through Aktâ€phosphorylation and upâ€regulation of 14â€3â€3. <i>Proteomics</i> , 2008, 8, 1237-1247.	2.2	50
24	Attempted endogenous tissue repair following experimental spinal cord injury in the rat: involvement of cell adhesion molecules L1 and NCAM?. <i>European Journal of Neuroscience</i> , 2000, 12, 3224-3238.	2.6	49
25	The Proapoptotic C16-ceramide-Dependent Pathway Requires the Death-Promoting Factor Btf in Colon Adenocarcinoma Cells. <i>Journal of Proteome Research</i> , 2009, 8, 4810-4822.	3.7	43
26	Muscle fatigue experienced during maximal eccentric exercise is predictive of the plasma creatine kinase (<sc>CK</sc>) response. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, 501-507.	2.9	43
27	Glycine triggers an intracellular calcium influx in oligodendrocyte progenitor cells which is mediated by the activation of both the ionotropic glycine receptor and Na ⁺ -dependent transporters. <i>European Journal of Neuroscience</i> , 2000, 12, 1924-1930.	2.6	42
28	Kainate and NMDA toxicity for cultured developing and adult rat spiral ganglion neurons: further evidence for a glutamatergic excitatory neurotransmission at the inner hair cell synapse. <i>Brain Research</i> , 1991, 555, 75-83.	2.2	41
29	Proteomic changes in rat hippocampus and adrenals following short-term sleep deprivation. <i>Proteome Science</i> , 2008, 6, 14.	1.7	38
30	Potassium-induced release of neuronotoxic activity by astrocytes. <i>Brain Research</i> , 1987, 413, 120-128.	2.2	37
31	A 295-kDA intermediate filament-associated protein in radial glia and developing muscle cells in vivo and in vitro. <i>Developmental Dynamics</i> , 2000, 219, 514-525.	1.8	36
32	Tritrophic interactions among <i>Macrosiphum euphorbiae</i> aphids, their host plants and endosymbionts: Investigation by a proteomic approach. <i>Journal of Insect Physiology</i> , 2010, 56, 575-585.	2.0	36
33	Steatosis-Induced Proteomic Changes in Liver Mitochondria Evidenced by Two-Dimensional Differential In-Gel Electrophoresis. <i>Journal of Proteome Research</i> , 2005, 4, 2024-2031.	3.7	35
34	Is there a cold shock response in the Antarctic psychrophile <i>Pseudoalteromonas haloplanktis</i> ?. <i>Extremophiles</i> , 2012, 16, 681-683.	2.3	31
35	Identification of Protein Networks Involved in the Disease Course of Experimental Autoimmune Encephalomyelitis, an Animal Model of Multiple Sclerosis. <i>PLoS ONE</i> , 2012, 7, e35544.	2.5	31
36	Proteomic and Functional Characterization of a <i>Chlamydomonas reinhardtii</i> Mutant Lacking the Mitochondrial Alternative Oxidase 1. <i>Journal of Proteome Research</i> , 2010, 9, 2825-2838.	3.7	29

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37	Chapter 6 Neuro-n-glial interactions and neural plasticity. Progress in Brain Research, 1990, 86, 63-73.	1.4	28
38	Identification of PSF, the polypyrimidine tract-binding protein-associated splicing factor, as a developmentally regulated neuronal protein. Journal of Neuroscience Research, 1999, 57, 62-73.	2.9	26
39	Wnt1 and BMP2: two factors recruiting multipotent neural crest progenitors isolated from adult bone marrow. Cellular and Molecular Life Sciences, 2011, 68, 2101-2114.	5.4	26
40	Proteomic Analysis of the Reproductive Organs of the Hermaphroditic Gastropod Lymnaea stagnalis Exposed to Different Endocrine Disrupting Chemicals. PLoS ONE, 2013, 8, e81086.	2.5	26
41	The digestive enzymes and acidity of the pellets regurgitated by raptors. Biochemical Systematics and Ecology, 1979, 7, 223-227.	1.3	25
42	Cultured astroglia release a neuronotoxic activity that is not related to the excitotoxins. Brain Research, 1989, 502, 21-27.	2.2	25
43	The susceptibility of the knee extensors to eccentric exercise-induced muscle damage is not affected by leg dominance but by exercise order. Clinical Physiology and Functional Imaging, 2013, 33, 373-380.	1.2	25
44	A colorimetric assay for the simultaneous measurement of plasminogen activators and plasminogen activator inhibitors in serum-free conditioned media from cultured cells. Analytical Biochemistry, 1989, 177, 341-346.	2.4	24
45	Plasticity of developing and adult dorsal root ganglion neurons as revealed in vitro. Brain Research Bulletin, 1993, 30, 231-237.	3.0	24
46	Syngeneic grafting of adult rat DRG-derived schwann cells to the injured spinal cord. Brain Research Bulletin, 1993, 30, 507-514.	3.0	24
47	Mitoproteome Plasticity of Rat Brown Adipocytes in Response to Cold Acclimation. Journal of Proteome Research, 2007, 6, 25-33.	3.7	24
48	Uncoupling protein 1 affects the yeast mitoproteome and oxygen free radical production. Free Radical Biology and Medicine, 2006, 40, 303-315.	2.9	21
49	Dynamics of the <i>Dictyostelium discoideum</i> mitochondrial proteome during vegetative growth, starvation and early stages of development. Proteomics, 2010, 10, 6-22.	2.2	20
50	Potassium-induced release of an endogenous toxic activity for outer hair cells and auditory neurons in the cochlea: A new pathophysiological mechanism in Meniere's disease?. Hearing Research, 1990, 47, 83-93.	2.0	19
51	Effects of Eccentrically and Concentrically Biased Training on Mouse Muscle Phenotype. Medicine and Science in Sports and Exercise, 2013, 45, 1460-1468.	0.4	18
52	High-yield synthesis of a [3H]ethylenediamine dinitrodotoxin derivative. Analytical Biochemistry, 1984, 139, 149-157.	2.4	17
53	In vitro and in vivo modulation of 5-hydroxytryptamine-, thyrotropin-releasing hormone- and calcitonin-gene related peptide-like immunoreactivities in adult rat sensory neurons. Neuroscience, 1992, 51, 401-410.	2.3	17
54	Regulation of nestin expression by thrombin and cell density in cultures of bone mesenchymal stem cells and radial glial cells. BMC Neuroscience, 2007, 8, 104.	1.9	17

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55	Neuronal localization of the 25-kDa specific thiamine triphosphatase in rodent brain. <i>Neuroscience</i> , 2004, 125, 833-840.	2.3	16
56	Identification by two-dimensional electrophoresis of a new adhesin expressed by a low-passaged strain of <i>Mycoplasma bovis</i> . <i>Research in Microbiology</i> , 2005, 156, 713-718.	2.1	16
57	Potential Therapeutic Target Discovery by 2D-DIGE Proteomic Analysis in Mouse Models of Asthma. <i>Journal of Proteome Research</i> , 2011, 10, 4291-4301.	3.7	16
58	<i>Saccharomyces cerevisiae</i> Mitoproteome Plasticity in Response to Recombinant Alternative Ubiquinol Oxidase. <i>Journal of Proteome Research</i> , 2006, 5, 339-348.	3.7	15
59	Biomarkers of inflammation and innate immunity in atrophic nonunion fracture. <i>Journal of Translational Medicine</i> , 2016, 14, 258.	4.4	15
60	Eccentric Training for Tendon Healing After Acute Lesion: A Rat Model. <i>American Journal of Sports Medicine</i> , 2017, 45, 1440-1446.	4.2	15
61	Protein kinase- and staurosporine-dependent induction of neurite outgrowth and plasminogen activator activity in PC12 cells. <i>Biochemical Pharmacology</i> , 1996, 52, 1399-1405.	4.4	12
62	Metabolic reprogramming in transformed mouse cortical astrocytes: A proteomic study. <i>Journal of Proteomics</i> , 2015, 113, 292-314.	2.4	11
63	New Features on the Environmental Regulation of Metabolism Revealed by Modeling the Cellular Proteomic Adaptations Induced by Light, Carbon, and Inorganic Nitrogen in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1158.	3.6	11
64	Astroglia-released factor shows similar effects as benzodiazepine inverse agonists. <i>Journal of Neuroscience Research</i> , 1994, 39, 364-376.	2.9	10
65	Inactivation of genes coding for mitochondrial Nd7 and Nd9 complex I subunits in <i>Chlamydomonas reinhardtii</i> . Impact of complex I loss on respiration and energetic metabolism. <i>Mitochondrion</i> , 2014, 19, 365-374.	3.4	10
66	Comprehensive plasma profiling for the characterization of graft-versus-host disease biomarkers. <i>Talanta</i> , 2014, 125, 265-275.	5.5	9
67	The role of protein modifications in senescence of freeze-dried <i>Acetobacter senegalensis</i> during storage. <i>Microbial Cell Factories</i> , 2014, 13, 26.	4.0	9
68	In vitro kinetics of a newborn rat astroglia-derived neuronotoxic activity. <i>Neuroscience Letters</i> , 1989, 102, 268-272.	2.1	8
69	Regulation of radial glia phenotype. <i>Progress in Brain Research</i> , 2001, 132, 13-22.	1.4	8
70	Transplants of syngeneic adult dorsal root ganglion neurons to the spinal cord of rats with acute traumatic paraplegia: morphological analyses. <i>Restorative Neurology and Neuroscience</i> , 1991, 2, 303-308.	0.7	6
71	Gemvid, an open source, modular, automated activity recording system for rats using digital video. <i>Journal of Circadian Rhythms</i> , 2014, 4, 10.	1.3	6
72	Effect of Sequential Acclimation to Various Carbon Sources on the Proteome of <i>Acetobacter senegalensis</i> LMG 23690T and Its Tolerance to Downstream Process Stresses. <i>Frontiers in Microbiology</i> , 2019, 10, 608.	3.5	5

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73	Effects of macrophage transplantation in the injured adult rat spinal cord: A combined immunocytochemical and biochemical study. <i>Journal of Neuroscience Research</i> , 1998, 51, 316-327.	2.9	4
74	Trophic and Toxic Influences on Neurons. , 1990, , 97-134.		3
75	Phencyclidine inhibition of the acetylcholine receptor: Measurement of cation flux in a sympathetic neuronal cell line using $^{22}\text{Na}^+$ and spectroscopic detection of Cs^+ . <i>Archives of Biochemistry and Biophysics</i> , 1983, 225, 500-504.	3.0	2
76	Astroglia-released factor with negative allosteric modulatory properties at the GABAA receptor. <i>Biochemical Pharmacology</i> , 1996, 52, 465-473.	4.4	1
77	The role of Bergmann glial cells in cerebellar development. <i>Cancer & Metabolism</i> , 2013, 1, 13.	5.0	1
78	Neuronal Control of Astrocyte Proliferation. , 1993, , 193-206.		1
79	Data in support of metabolic reprogramming in transformed mouse cortical astrocytes: A proteomic study. <i>Data in Brief</i> , 2015, 2, 1-5.	1.0	0