

Isabelle Perroteau

List of Publications by Year in descending order

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58
papers

2,034
citations

257450

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243625

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58
all docs

58
docs citations

58
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood Vessels Form a Scaffold for Neuroblast Migration in the Adult Olfactory Bulb. <i>Journal of Neuroscience</i> , 2007, 27, 5976-5980.	3.6	178
2	cAMP Response Element-Binding Protein Regulates Differentiation and Survival of Newborn Neurons in the Olfactory Bulb. <i>Journal of Neuroscience</i> , 2005, 25, 10105-10118.	3.6	142
3	Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 611-22.	8.2	140
4	Expression of Transforming Growth Factor β (TGF β) in Differentiated Rat Mammary Tumors: Estrogen Induction of TGF β Production. <i>Molecular Endocrinology</i> , 1987, 1, 683-692.	3.7	112
5	Immunological detection and quantitation of alpha transforming growth factors in human breast carcinoma cells. <i>Breast Cancer Research and Treatment</i> , 1986, 7, 201-210.	2.5	110
6	Loss of growth responsiveness to epidermal growth factor and enhanced production of alpha-transforming growth factors in ras-transformed mouse mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 1987, 130, 397-409.	4.1	101
7	c-erbB-2 andras expression levels in breast cancer are correlated and show a co-operative association with unfavorable clinical outcome. <i>International Journal of Cancer</i> , 1991, 47, 833-838.	5.1	76
8	Subventricular zone-derived neuroblast migration to the olfactory bulb is modulated by matrix remodelling. <i>European Journal of Neuroscience</i> , 2007, 25, 2021-2033.	2.6	74
9	Chapter 11 Tissue Engineering of Peripheral Nerves. <i>International Review of Neurobiology</i> , 2009, 87, 227-249.	2.0	73
10	Schwann cell behavior after nerve repair by means of tissue-engineered muscle-vein combined guides. <i>Journal of Comparative Neurology</i> , 2005, 489, 249-259.	1.6	70
11	ErbB4 Expression in Neural Progenitor Cells (ST14A) Is Necessary to Mediate Neuregulin-1 β -induced Migration. <i>Journal of Biological Chemistry</i> , 2004, 279, 48808-48816.	3.4	57
12	Basic Science Review: Growth Factors in Cancer and Their Relationship to Oncogenes. <i>Cancer Investigation</i> , 1986, 4, 43-60.	1.3	50
13	Distribution and characterization of neuropeptide β -like immunoreactivity in the brain of the crested newt. <i>Journal of Comparative Neurology</i> , 1988, 275, 309-325.	1.6	49
14	Neuregulin 1 Role in Schwann Cell Regulation and Potential Applications to Promote Peripheral Nerve Regeneration. <i>International Review of Neurobiology</i> , 2013, 108, 223-256.	2.0	48
15	The Neuregulin1/ErbB system is selectively regulated during peripheral nerve degeneration and regeneration. <i>European Journal of Neuroscience</i> , 2016, 43, 351-364.	2.6	44
16	Stathmin Expression Modulates Migratory Properties of GN-11 Neurons in Vitro. <i>Endocrinology</i> , 2005, 146, 1825-1834.	2.8	35
17	Melt-extruded guides for peripheral nerve regeneration. Part I: Poly(ϵ -caprolactone). <i>Biomedical Microdevices</i> , 2009, 11, 1037-1050.	2.8	34
18	Evaluation of Vascular Endothelial Growth Factor (VEGF) and Its Family Member Expression After Peripheral Nerve Regeneration and Denervation. <i>Anatomical Record</i> , 2018, 301, 1646-1656.	1.4	33

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19	Porous Poly(ϵ -caprolactone) Nerve Guide Filled with Porous Gelatin Matrix for Nerve Tissue Engineering. <i>Advanced Engineering Materials</i> , 2011, 13, B151.	3.5	31
20	In vitro effect of prostaglandins on corticosterone and aldosterone production by frog interrenal gland. <i>Biochemical and Biophysical Research Communications</i> , 1981, 100, 769-777.	2.1	29
21	Poly(ester urethane) Guides for Peripheral Nerve Regeneration. <i>Macromolecular Bioscience</i> , 2011, 11, 245-256.	4.1	28
22	Identification and Validation of Suitable Housekeeping Genes for Normalizing Quantitative Real-Time PCR Assays in Injured Peripheral Nerves. <i>PLoS ONE</i> , 2014, 9, e105601.	2.5	28
23	Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. <i>BioMed Research International</i> , 2018, 2018, 1-13.	1.9	27
24	Expression of β -2a-2b neuregulin-1 is associated with early peripheral nerve repair along muscle-enriched tubes. <i>NeuroReport</i> , 2003, 14, 1541-1545.	1.2	26
25	Denervation and reinnervation of adult skeletal muscle modulate mRNA expression of neuregulin-1 and ErbB receptors. <i>Microsurgery</i> , 2009, 29, 464-472.	1.3	25
26	Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. <i>Scientific Reports</i> , 2018, 8, 5047.	3.3	24
27	ErbB2 Receptor Over-Expression Improves Post-Traumatic Peripheral Nerve Regeneration in Adult Mice. <i>PLoS ONE</i> , 2013, 8, e56282.	2.5	23
28	Glutamatergic deafferentation of olfactory bulb modulates the expression of mGluR1a mRNA. <i>NeuroReport</i> , 1997, 8, 1949-1953.	1.2	21
29	Tissue Engineering and Peripheral Nerve Reconstruction. <i>International Review of Neurobiology</i> , 2013, 108, 35-57.	2.0	20
30	The effect of the antimineralocorticoid RU 28318 on aldosterone biosynthesis in vitro. <i>The Journal of Steroid Biochemistry</i> , 1984, 20, 853-856.	1.1	19
31	Neuregulin1 alpha activates migration of neuronal progenitors expressing ErbB4. <i>Molecular and Cellular Neurosciences</i> , 2016, 77, 87-94.	2.2	19
32	Role of neurotrophic factors in enhancing linear axonal growth of ganglionic sensory neurons in vitro. <i>Neural Regeneration Research</i> , 2020, 15, 1732.	3.0	19
33	Innervation of the Pars intermedia and Control of Alpha-Melanotropin Secretion in the Newt. <i>Neuroendocrinology</i> , 1989, 50, 543-549.	2.5	18
34	ErbB-4 and neuregulin expression in the adult mouse olfactory bulb after peripheral denervation. <i>European Journal of Neuroscience</i> , 2001, 14, 513-521.	2.6	18
35	Morphological and biomolecular characterization of the neonatal olfactory bulb ensheathing cell line. <i>Journal of Neuroscience Methods</i> , 2009, 185, 89-98.	2.5	17
36	In vitro effect of cytochalasin B on adrenal steroidogenesis in frog. <i>Molecular and Cellular Endocrinology</i> , 1985, 43, 205-213.	3.2	16

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37	ErbB-3 and ErbB-4 Expression in the Mouse Olfactory Systema. <i>Annals of the New York Academy of Sciences</i> , 1998, 855, 255-259.	3.8	16
38	ErbB receptors modulation in different types of peripheral nerve regeneration. <i>NeuroReport</i> , 2008, 19, 1605-1609.	1.2	15
39	Bulbectomy Enhances Neurogenesis and Cell Turnover of Primary Olfactory Neurons But Does Not Abolish Carnosine Expression. <i>European Journal of Neuroscience</i> , 1992, 4, 1398-1406.	2.6	14
40	Neuregulin1 administration increases axonal elongation in dissociated primary sensory neuron cultures. <i>Experimental Cell Research</i> , 2012, 318, 570-577.	2.6	14
41	Bioactive recombinant neuregulin-1, -2, and -3 expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2004, 35, 25-31.	1.3	13
42	Fibroblasts Colonizing Nerve Conduits Express High Levels of Soluble Neuregulin1, a Factor Promoting Schwann Cell Dedifferentiation. <i>Cells</i> , 2020, 9, 1366.	4.1	13
43	Role of prostacyclin on steroidogenesis by frog interrenal gland. <i>Prostaglandins</i> , 1986, 31, 5-17.	1.2	11
44	Differential expression of neuregulins and their receptors in the olfactory bulb layers of the developing mouse. <i>Brain Research</i> , 2006, 1077, 37-47.	2.2	11
45	Neuregulin1/ErbB4-induced migration in ST14A striatal progenitors: calcium-dependent mechanisms and modulation by NMDA receptor activation. <i>BMC Neuroscience</i> , 2011, 12, 103.	1.9	11
46	Characterization of Glial Cell Models and <i>In Vitro</i> Manipulation of the Neuregulin1/ErbB System. <i>BioMed Research International</i> , 2014, 2014, 1-15.	1.9	11
47	Soluble Neuregulin1 is strongly up-regulated in the rat model of Charcot-Marie-Tooth 1A disease. <i>Experimental Biology and Medicine</i> , 2018, 243, 370-374.	2.4	11
48	Neuregulin 1 isoforms could be an effective therapeutic candidate to promote peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2014, 9, 1183.	3.0	11
49	Relative inhibitory potency of five mineralocorticoid antagonists on aldosterone biosynthesis in vitro. <i>Biochemical Pharmacology</i> , 1985, 34, 189-194.	4.4	9
50	Eps8 involvement in neuregulin1-ErbB4 mediated migration in the neuronal progenitor cell line ST14A. <i>Experimental Cell Research</i> , 2011, 317, 757-769.	2.6	9
51	In vitro study of olfactory receptor neurones expressing the dipeptide carnosine. <i>NeuroReport</i> , 1994, 5, 569-572.	1.2	8
52	Combined Influence of Gelatin Fibre Topography and Growth Factors on Cultured Dorsal Root Ganglia Neurons. <i>Anatomical Record</i> , 2018, 301, 1668-1677.	1.4	7
53	The four isoforms of the tyrosine kinase receptor ErbB4 provide neural progenitor cells with an adhesion preference for the transmembrane type III isoform of the ligand neuregulin 1. <i>NeuroReport</i> , 2014, 25, 233-241.	1.2	6
54	Effect of aldosterone antagonists on mineralocorticoid synthesis in vitro. Inhibition of aldosterone production by prorenoate-K. <i>European Journal of Pharmacology</i> , 1982, 77, 243-249.	3.5	4

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55	Chapter 16. Oncological Aspects of Growth Factors. Annual Reports in Medicinal Chemistry, 1986, 21, 159-168.	0.9	4
56	Preface. International Review of Neurobiology, 2013, 109, xi-xii.	2.0	2
57	Preface. International Review of Neurobiology, 2013, 108, xiii-xiv.	2.0	0
58	Expression of neuregulin-1 and ErbB receptors mRNAs is modulated by denervation and reinnervation in adult rat skeletal muscles. FASEB Journal, 2008, 22, 90.4.	0.5	0