Piergiorgio Strata

List of Publications by Year
in descending order

57 papers	3,550 citations	126907 33 h-index	155660 55 g-index
58 all docs	58 docs citations	58 times ranked	3587 citing authors

#	Article	IF	Citations
1	Composition of perineuronal nets in the adult rat cerebellum and the cellular origin of their components. Journal of Comparative Neurology, 2006, 494, 559-577.	1.6	273
2	Learning-related feedforward inhibitory connectivity growth required for memory precision. Nature, 2011, 473, 514-518.	27.8	244
3	Long-Term Synaptic Changes Induced in the Cerebellar Cortex by Fear Conditioning. Neuron, 2004, 42, 973-982.	8.1	185
4	Application of Neutralizing Antibodies against NI-35/250 Myelin-Associated Neurite Growth Inhibitory Proteins to the Adult Rat Cerebellum Induces Sprouting of Uninjured Purkinje Cell Axons. Journal of Neuroscience, 2000, 20, 2275-2286.	3.6	163
5	Postsynaptic Current Mediated by Metabotropic Glutamate Receptors in Cerebellar Purkinje Cells. Journal of Neurophysiology, 1998, 80, 520-528.	1.8	136
6	The Cerebellum: Synaptic Changes and Fear Conditioning. Neuroscientist, 2005, 11, 217-227.	3.5	136
7	Interleukin-1Â Alters Glutamate Transmission at Purkinje Cell Synapses in a Mouse Model of Multiple Sclerosis. Journal of Neuroscience, 2013, 33, 12105-12121.	3.6	125
8	Embryonic Purkinje Cells Grafted on the Surface of the Cerebellar Cortex Integrate in the Adult Unlesioned Cerebellum. European Journal of Neuroscience, 1992, 4, 589-593.	2.6	123
9	Targeted Overexpression of the Neurite Growth-Associated Protein B-50/GAP-43 in Cerebellar Purkinje Cells Induces Sprouting after Axotomy But Not Axon Regeneration into Growth-Permissive Transplants. Journal of Neuroscience, 1997, 17, 8778-8791.	3.6	123
10	The Emotional Cerebellum. Cerebellum, 2015, 14, 570-577.	2.5	109
11	Cerebellum: history. Neuroscience, 2009, 162, 549-559.	2.3	108
12	In vivo single branch axotomy induces GAP-43â€"dependent sprouting and synaptic remodeling in cerebellar cortex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10824-10829.	7.1	108
13	Synapse formation and clustering of neuroligin-2 in the absence of GABA _A receptors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13151-13156.	7.1	89
14	Reversible inactivation of amygdala and cerebellum but not perirhinal cortex impairs reactivated fear memories. European Journal of Neuroscience, 2007, 25, 2875-2884.	2.6	87
15	Retrograde Regulation of Growth-Associated Gene Expression in Adult Rat Purkinje Cells by Myelin-Associated Neurite Growth Inhibitory Proteins. Journal of Neuroscience, 1998, 18, 7912-7929.	3.6	83
16	Learning-related long-term potentiation of inhibitory synapses in the cerebellar cortex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 769-774.	7.1	81
17	Daleâ€™s principle. Brain Research Bulletin, 1999, 50, 349-350.	3.0	72
18	Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. Neurobiology of Disease, 2009, 36, 103-115.	4.4	70

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19	Different climbing fibres innervate separate dendritic regions of the same purkinje cell in hypogranular cerebellum. Journal of Comparative Neurology, 1995, 357, 395-407.	1.6	69
20	Neuronal circuits for fear and anxiety â€" the missing link. Nature Reviews Neuroscience, 2015, 16, 642-642.	10.2	68
21	Reparative mechanisms in the cerebellar cortex. Progress in Neurobiology, 2004, 72, 373-398.	5.7	65
22	Chapter 15 Reciprocal trophic interactions between climbing fibres and Purkinje cells in the rat cerebellum. Progress in Brain Research, 1997, 114, 263-282.	1.4	55
23	Topographically Organized Climbing Fibre Sprouting in the Adult Rat Cerebellum. European Journal of Neuroscience, 1996, 8, 1051-1054.	2.6	53
24	Activity-Dependent Presynaptic and Postsynaptic Structural Plasticity in the Mature Cerebellum. Journal of Neuroscience, 2007, 27, 4603-4611.	3.6	52
25	Correlation between multiple climbing fibre regression and parallel fibre response development in the postnatal mouse cerebellum. European Journal of Neuroscience, 2005, 21, 971-978.	2.6	51
26	Structural plasticity of climbing fibers and the growth-associated protein GAP-43. Frontiers in Neural Circuits, 2013, 7, 25.	2.8	51
27	Reestablishment of the olivocerebellar projection map by compensatory transcommissural reinnervation following unilateral transection of the inferior cerebellar peduncle in the newborn rat. , 1997, 379, 283-299.		50
28	Suppression of inhibition in the cerebellar cortex by picrotoxin and bicuculline. Brain Research, 1971, 28, 591-593.	2.2	44
29	Glutamate Receptor Î´2 Subunit in Activity-Dependent Heterologous Synaptic Competition. Journal of Neuroscience, 2003, 23, 2363-2370.	3.6	41
30	Embryonic Purkinje Cells Grafted on the Surface of the Adult Uninjured Rat Cerebellum Migrate in the Host Parenchyma and Induce Sprouting of Intact Climbing Fibres. European Journal of Neuroscience, 1994, 6, 121-136.	2.6	40
31	Olivocerebellar Axon Regeneration and Target Reinnervation Following Dissociated Schwann Cell Grafts in Surgically Injured Cerebella of Adult Rats. European Journal of Neuroscience, 1997, 9, 2634-2649.	2.6	40
32	Impaired Sprouting and Axonal Atrophy in Cerebellar Climbing Fibres following In Vivo Silencing of the Growth-Associated Protein GAP-43. PLoS ONE, 2011, 6, e20791.	2.5	39
33	International perspectives on engaging the public in neuroethics. Nature Reviews Neuroscience, 2005, 6, 977-982.	10.2	38
34	Climbing fibers of cat cerebellum: modulation of activity during sleep. Brain Research, 1970, 17, 145-148.	2.2	37
35	The effects of fear conditioning on cerebellar LTP and LTD. European Journal of Neuroscience, 2007, 26, 219-227.	2.6	37
36	Exposure to Kainic Acid Mimics the Effects of Axotomy in Cerebellar Purkinje Cells of the Adult Rat. European Journal of Neuroscience, 1994, 6, 392-402.	2.6	33

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37	Sodium Imaging of Climbing Fiber Innervation Fields in Developing Mouse Purkinje Cells. Journal of Neurophysiology, 2003, 89, 2555-2563.	1.8	33
38	Basolateral Amygdala Inactivation Impairs Learning-Induced Long-Term Potentiation in the Cerebellar Cortex. PLoS ONE, 2011, 6, e16673.	2.5	33
39	Extrinsic regulation of injury/growth-related gene expression in the inferior olive of the adult rat. European Journal of Neuroscience, 2003, 18, 2146-2158.	2.6	30
40	Axonal and synaptic remodeling in the mature cerebellar cortex. Progress in Brain Research, 2005, 148, 45-56.	1.4	30
41	Regenerative and survival capabilities of Purkinje cells overexpressing c-Jun. European Journal of Neuroscience, 2002, 16, 105-118.	2.6	29
42	Purkinje cell spinogenesis during architectural rewiring in the mature cerebellum. European Journal of Neuroscience, 2005, 22, 579-586.	2.6	28
43	Interactions between benzodiazepines and GABA in the cerebellar cortex. Brain Research, 1979, 162, 358-362.	2.2	26
44	An orphan ionotropic glutamate receptor: The Î´2 subunit. Neuroscience, 2009, 158, 67-77.	2.3	22
45	Postsynaptic Currents and Short-term Synaptic Plasticity in Purkinje Cells Grafted onto an Uninjured Adult Cerebellar Cortex. European Journal of Neuroscience, 1996, 8, 2690-2701.	2.6	21
46	GluRÎ´2 Expression in the Mature Cerebellum of Hotfoot Mice Promotes Parallel Fiber Synaptogenesis and Axonal Competition. PLoS ONE, 2009, 4, e5243.	2.5	19
47	David Marr's theory of cerebellar learning: 40 years later. Journal of Physiology, 2009, 587, 5519-5520.	2.9	18
48	Chapter 16 Intrinsic properties and environmental factors in the regeneration of adult cerebellar axons. Progress in Brain Research, 1997, 114, 283-296.	1.4	17
49	Spontaneous electrical activity and dendritic spine size in mature cerebellar Purkinje cells. European Journal of Neuroscience, 2005, 21, 1777-1784.	2.6	16
50	Dendritic spine density in Purkinje cells. Trends in Neurosciences, 2000, 23, 198.	8.6	14
51	Dendritic spines in Purkinje cells. Cerebellum, 2002, 1, 230-232.	2.5	14
52	Eph Receptors Are Involved in the Activity-Dependent Synaptic Wiring in the Mouse Cerebellar Cortex. PLoS ONE, 2011, 6, e19160.	2.5	14
53	Spontaneous Electrical Activity and Structural Plasticity in the Mature Cerebellar Cortex. Annals of the New York Academy of Sciences, 2005, 1048, 131-140.	3.8	4
54	Rita Levi-Montalcini and her major contribution to neurobiology. Rendiconti Lincei, 2018, 29, 737-753.	2.2	2

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55	A new season for experimental neuroembryology: The mysterious history of Marian Lydia Shorey. Endeavour, 2019, 43, 100707.	0.4	1
56	Pathway rewiring with neural transplantation. Behavioral and Brain Sciences, 1995, 18, 73-73.	0.7	0
57	Reparative mechanisms in the cerebellar cortex. Progress in Neurobiology, 2004, 72, 373-373.	5.7	0