Elena Taverna

List of Publications by Year
in descending order

32 papers	3,211 citations	279798 23 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	4360 citing authors

#	Article	IF	Citations
1	The Cell Biology of Neurogenesis: Toward an Understanding of the Development and Evolution of the Neocortex. Annual Review of Cell and Developmental Biology, 2014, 30, 465-502.	9.4	616
2	Human-specific gene ARHGAP11B promotes basal progenitor amplification and neocortex expansion. Science, 2015, 347, 1465-1470.	12.6	487
3	Storage and Release of ATP from Astrocytes in Culture. Journal of Biological Chemistry, 2003, 278, 1354-1362.	3.4	441
4	Neural Progenitor Nuclei IN Motion. Neuron, 2010, 67, 906-914.	8.1	196
5	Cholesterol reduction impairs exocytosis of synaptic vesicles. Journal of Cell Science, 2010, 123, 595-605.	2.0	167
6	A Regulated Secretory Pathway in Cultured Hippocampal Astrocytes. Journal of Biological Chemistry, 1999, 274, 22539-22547.	3.4	142
7	Role of Lipid Microdomains in P/Q-type Calcium Channel (Cav2.1) Clustering and Function in Presynaptic Membranes. Journal of Biological Chemistry, 2004, 279, 5127-5134.	3.4	124
8	Oxytocin receptor elicits different EGFR/MAPK activation patterns depending on its localization in caveolin-1 enriched domains. Oncogene, 2003, 22, 6054-6060.	5.9	122
9	Sustained Pax6 Expression Generates Primate-like Basal Radial Glia in Developing Mouse Neocortex. PLoS Biology, 2015, 13, e1002217.	5.6	93
10	Mechanisms Underlying the Neuronal Calcium Sensor-1-evoked Enhancement of Exocytosis in PC12 Cells. Journal of Biological Chemistry, 2002, 277, 30315-30324.	3.4	83
11	Neural Progenitor Cell Polarity and Cortical Development. Frontiers in Cellular Neuroscience, 2017, 11, 384.	3.7	78
12	Syntaxin 1A is delivered to the apical and basolateral domains of epithelial cells: the role of munc-18 proteins. Journal of Cell Science, 2001, 114, 3323-3332.	2.0	78
13	Insm1 Induces Neural Progenitor Delamination in Developing Neocortex via Downregulation of the Adherens Junction Belt-Specific Protein Plekha7. Neuron, 2018, 97, 1299-1314.e8.	8.1	73
14	<scp>CRISPR</scp> /Cas9â€induced disruption of gene expression in mouse embryonic brain and single neural stem cells in vivo. EMBO Reports, 2016, 17, 338-348.	4.5	72
15	Neuronal calcium sensor 1 and phosphatidylinositol 4-OH kinase Î²interact in neuronal cells and are translocated to membranes during nucleotide-evoked exocytosis. Journal of Cell Science, 2002, 115, 3909-3922.	2.0	55
16	Non-canonical features of the Golgi apparatus in bipolar epithelial neural stem cells. Scientific Reports, 2016, 6, 21206.	3.3	51
17	NGN2 induces diverse neuron types from human pluripotency. Stem Cell Reports, 2021, 16, 2118-2127.	4.8	51
18	Neuronal calcium sensor-1 binds to regulated secretory organelles and functions in basal and stimulated exocytosis in PC12 cells. Journal of Cell Science, 2002, 115, 2399-2412.	2.0	35

#	Article	IF	Citations
19	Comparison of induced neurons reveals slower structural and functional maturation in humans than in apes. ELife, 2021, 10, .	6.0	34
20	Microinjection of membrane-impermeable molecules into single neural stem cells in brain tissue. Nature Protocols, 2014, 9, 1170-1182.	12.0	31
21	A new approach to manipulate the fate of single neural stem cells in tissue. Nature Neuroscience, 2012, 15, 329-337.	14.8	30
22	Neuronal calcium sensor-1 binds to regulated secretory organelles and functions in basal and stimulated exocytosis in PC12 cells. Journal of Cell Science, 2002, 115, 2399-412.	2.0	30
23	Localization of synaptic proteins involved in neurosecretion in different membrane microdomains. Journal of Neurochemistry, 2007, 100, 664-677.	3.9	29
24	Evidence of calcium- and SNARE-dependent release of CuZn superoxide dismutase from rat pituitary GH3 cells and synaptosomes in response to depolarization. Journal of Neurochemistry, 2007, 102, 679-685.	3.9	24
25	Metabolism and trafficking of N-type voltage-operated calcium channels in neurosecretory cells. Journal of Bioenergetics and Biomembranes, 1998, 30, 399-407.	2.3	22
26	Robotic platform for microinjection into single cells in brain tissue. EMBO Reports, 2019, 20, e47880.	4.5	17
27	From stem and progenitor cells to neurons in the developing neocortex: key differences among hominids. FEBS Journal, 2022, 289, 1524-1535.	4.7	11
28	The Golgi Apparatus in Polarized Neuroepithelial Stem Cells and Their Progeny: Canonical and Noncanonical Features. Results and Problems in Cell Differentiation, 2019, 67, 359-375.	0.7	6
29	Transient Translocation of N-type Calcium Channels from Secretory Granules to the Cell Surfacea. Annals of the New York Academy of Sciences, 1998, 841, 119-121.	3.8	3
30	Manipulation of Single Neural Stem Cells and Neurons in Brain Slices using Robotic Microinjection. Journal of Visualized Experiments, 2021, , .	0.3	2
31	A Closer Look to the Evolution of Neurons in Humans and Apes Using Stem-Cell-Derived Model Systems. Frontiers in Cell and Developmental Biology, 2021, 9, 661113.	3.7	1
32	Robotic Platform for the Delivery of Gene Products Into Single Cells in Organotypic Slices of the Developing Mouse Brain. , 2018, , .		0