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	From stem and progenitor cells to neurons in the developing neocortex: key differences among hominids. FEBS Journal, 2022, 289, 1524-1535.	4.7	11
2	Comparison of induced neurons reveals slower structural and functional maturation in humans than in apes. ELife, 2021, 10, .	6.0	34
3	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
4	NGN2 induces diverse neuron types from human pluripotency. Stem Cell Reports, 2021, 16, 2118-2127.	4.8	51
5	Manipulation of Single Neural Stem Cells and Neurons in Brain Slices using Robotic Microinjection. Journal of Visualized Experiments, 2021, , .	0.3	2
6	Robotic platform for microinjection into single cells in brain tissue. EMBO Reports, 2019, 20, e47880.	4.5	17
7	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
8	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
9	Robotic Platform for the Delivery of Gene Products Into Single Cells in Organotypic Slices of the Developing Mouse Brain. , 2018, , .		0
10	Neural Progenitor Cell Polarity and Cortical Development. Frontiers in Cellular Neuroscience, 2017, 11, 384.	3.7	78
11	Non-canonical features of the Golgi apparatus in bipolar epithelial neural stem cells. Scientific Reports, 2016, 6, 21206.	3.3	51
12	<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
13	Sustained Pax6 Expression Generates Primate-like Basal Radial Glia in Developing Mouse Neocortex. PLoS Biology, 2015, 13, e1002217.	5.6	93
14	Human-specific gene ARHGAP11B promotes basal progenitor amplification and neocortex expansion. Science, 2015, 347, 1465-1470.	12.6	487
15	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
16	Microinjection of membrane-impermeable molecules into single neural stem cells in brain tissue. Nature Protocols, 2014, 9, 1170-1182.	12.0	31
17	A new approach to manipulate the fate of single neural stem cells in tissue. Nature Neuroscience, 2012, 15, 329-337.	14.8	30
18	Cholesterol reduction impairs exocytosis of synaptic vesicles. Journal of Cell Science, 2010, 123, 595-605.	2.0	167

#	Article	IF	Citations
19	Neural Progenitor Nuclei IN Motion. Neuron, 2010, 67, 906-914.	8.1	196
20	Localization of synaptic proteins involved in neurosecretion in different membrane microdomains. Journal of Neurochemistry, 2007, 100, 664-677.	3.9	29
21	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
22	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
23	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
24	Storage and Release of ATP from Astrocytes in Culture. Journal of Biological Chemistry, 2003, 278, 1354-1362.	3.4	441
25	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
26	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
27	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
28	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
29	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
30	A Regulated Secretory Pathway in Cultured Hippocampal Astrocytes. Journal of Biological Chemistry, 1999, 274, 22539-22547.	3.4	142
31	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
32	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