Paola Arlotta

List of Publications by Year
in descending order

51	9,350	33	51
papers	citations	h-index	g-index
		126708	182168

85	85	85	11451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuronal subtype specification in the cerebral cortex. Nature Reviews Neuroscience, 2007, 8, 427-437.	4.9	1,444
2	Neuronal Subtype-Specific Genes that Control Corticospinal Motor Neuron Development In Vivo. Neuron, 2005, 45, 207-221.	3.8	1,046
3	Cell diversity and network dynamics in photosensitive human brain organoids. Nature, 2017, 545, 48-53.	13.7	933
4	Individual brain organoids reproducibly form cell diversity of the human cerebral cortex. Nature, 2019, 570, 523-527.	13.7	649
5	Highly sensitive spatial transcriptomics at near-cellular resolution with Slide-seqV2. Nature Biotechnology, 2021, 39, 313-319.	9.4	569
6	Distinct Profiles of Myelin Distribution Along Single Axons of Pyramidal Neurons in the Neocortex. Science, 2014, 344, 319-324.	6.0	454
7	Fezl Is Required for the Birth and Specification of Corticospinal Motor Neurons. Neuron, 2005, 47, 817-831.	3.8	448
8	Generating Neuronal Diversity in the Mammalian Cerebral Cortex. Annual Review of Cell and Developmental Biology, 2015, 31, 699-720.	4.0	285
9	<i>Ctip2</i>Controls the Differentiation of Medium Spiny Neurons and the Establishment of the Cellular Architecture of the Striatum. Journal of Neuroscience, 2008, 28, 622-632.	1.7	280
10	Voltage imaging and optogenetics reveal behaviour-dependent changes in hippocampal dynamics. Nature, 2019, 569, 413-417.	13.7	255
11	DeCoN: Genome-wide Analysis of InÂVivo Transcriptional Dynamics during Pyramidal Neuron Fate Selection in Neocortex. Neuron, 2015, 85, 275-288.	3.8	248
12	The promises and challenges of human brain organoids as models of neuropsychiatric disease. Nature Medicine, 2016, 22, 1220-1228.	15.2	224
13	Molecular logic of cellular diversification in the mouse cerebral cortex. Nature, 2021, 595, 554-559.	13.7	212
14	Excitatory Projection Neuron Subtypes Control the Distribution of Local Inhibitory Interneurons in the Cerebral Cortex. Neuron, 2011, 69, 763-779.	3.8	192
15	Novel Subtype-Specific Genes Identify Distinct Subpopulations of Callosal Projection Neurons. Journal of Neuroscience, 2009, 29, 12343-12354.	1.7	187
16	Autism genes converge on asynchronous development of shared neuron classes. Nature, 2022, 602, 268-273.	13.7	180
17	Combining NGN2 Programming with Developmental Patterning Generates Human Excitatory Neurons with NMDAR-Mediated Synaptic Transmission. Cell Reports, 2018, 23, 2509-2523.	2.9	168
18	In vivo Perturb-Seq reveals neuronal and glial abnormalities associated with autism risk genes. Science, 2020, 370, .	6.0	155

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19	Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. Nature Neuroscience, 2014, 17, 1046-1054.	7.1	121
20	Present and future of modeling human brain development in 3D organoids. Current Opinion in Cell Biology, 2017, 49, 47-52.	2.6	88
21	Individual Oligodendrocytes Show Bias for Inhibitory Axons in the Neocortex. Cell Reports, 2019, 27, 2799-2808.e3.	2.9	83
22	Changes in the Excitability of Neocortical Neurons in a Mouse Model of Amyotrophic Lateral Sclerosis Are Not Specific to Corticospinal Neurons and Are Modulated by Advancing Disease. Journal of Neuroscience, 2017, 37, 9037-9053.	1.7	81
23	Diversity Matters: A Revised Guide to Myelination. Trends in Cell Biology, 2016, 26, 135-147.	3.6	80
24	Neuron classâ€"specific responses govern adaptive myelin remodeling in the neocortex. Science, 2020, 370, .	6.0	79
25	Cerebral cortex assembly: generating and reprogramming projection neuron diversity. Trends in Neurosciences, 2015, 38, 117-125.	4.2	75
26	Genetic dissection of the glutamatergic neuron system in cerebral cortex. Nature, 2021, 598, 182-187.	13.7	75
27	Cell diversity in the human cerebral cortex: from the embryo to brain organoids. Current Opinion in Neurobiology, 2019, 56, 194-198.	2.0	73
28	Adult axolotls can regenerate original neuronal diversity in response to brain injury. ELife, 2016, 5, .	2.8	68
29	3D Brain Organoids: Studying Brain Development and Disease Outside the Embryo. Annual Review of Neuroscience, 2020, 43, 375-389.	5.0	59
30	Instructing Perisomatic Inhibition by Direct Lineage Reprogramming of Neocortical Projection Neurons. Neuron, 2015, 88, 475-483.	3.8	53
31	Organoids required! A new path to understanding human brain development and disease. Nature Methods, 2018, 15, 27-29.	9.0	50
32	Multiscale 3D phenotyping of human cerebral organoids. Scientific Reports, 2020, 10, 21487.	1.6	46
33	Homeotic Transformations of Neuronal Cell Identities. Trends in Neurosciences, 2015, 38, 751-762.	4.2	40
34	Seven Actionable Strategies for Advancing Women in Science, Engineering, and Medicine. Cell Stem Cell, 2015, 16, 221-224.	5.2	36
35	Induction of Adult Neurogenesis. Annals of the New York Academy of Sciences, 2003, 991, 229-236.	1.8	30
36	Brains in metamorphosis: reprogramming cell identity within the central nervous system. Current Opinion in Neurobiology, 2014, 27, 208-214.	2.0	28

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37	Long-Range Optogenetic Control of Axon Guidance Overcomes Developmental Boundaries and Defects. Developmental Cell, 2020, 53, 577-588.e7.	3.1	27
38	Untangling the cortex: Advances in understanding specification and differentiation of corticospinal motor neurons. BioEssays, 2010, 32, 197-206.	1.2	23
39	Molecular manipulation of neural precursors in situ: induction of adult cortical neurogenesis. Experimental Gerontology, 2003, 38, 173-182.	1.2	20
40	FIN-Seq: transcriptional profiling of specific cell types from frozen archived tissue of the human central nervous system. Nucleic Acids Research, 2020, 48, e4.	6.5	13
41	Induction of adult neurogenesis: molecular manipulation of neural precursors in situ. Annals of the New York Academy of Sciences, 2003, 991, 229-36.	1.8	12
42	Brain organoids: the quest to decipher human-specific features of brain development. Current Opinion in Genetics and Development, 2022, 75, 101955.	1.5	10
43	Murine NFX.1: isolation and characterization of its messenger RNA, mapping of its chromosomal location and assessment of its developmental expression. Immunology, 2002, 106, 173-181.	2.0	6
44	Long-term culture and electrophysiological characterization of human brain organoids. Protocol Exchange, 0, , .	0.3	6
45	Archeo-Cell Biology: Carbon Dating Is Not Just for Pots and Dinosaurs. Cell, 2005, 122, 4-6.	13.5	5
46	Stressed out? Healing Tips for Newly Reprogrammed Neurons. Cell Stem Cell, 2016, 18, 297-299.	5.2	5
47	Seq-ing the cortex one neuron at a time. Nature Neuroscience, 2016, 19, 179-181.	7.1	5
48	Building blocks of the cerebral cortex: from development to the dish. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 529-544.	5.9	4
49	Optogenetic axon guidance in embryonic zebrafish. STAR Protocols, 2021, 2, 100947.	0.5	2
50	The repair of complex neuronal circuitry by transplanted and endogenous precursors. Neurotherapeutics, 2004, 1, 452-471.	2.1	1
51	Editorial overview: Developmental neuroscience 2017. Current Opinion in Neurobiology, 2017, 42, A1-A4.	2.0	0