Maria C Marchetto

List of Publications by Year
in descending order

37 papers	3,474 citations	257101 24 h-index	329751 37 g-index
38 all docs	38 docs citations	38 times ranked	5822 citing authors

#	Article	IF	Citations
1	Reaching into the toolbox: Stem cell models to study neuropsychiatric disorders. Stem Cell Reports, 2022, 17, 187-210.	2.3	13
2	Generation of inflammation-responsive astrocytes from glial progenitors derived from human pluripotent stem cells. STAR Protocols, 2022, 3, 101261.	0.5	2
3	Inositol monophosphatase 1 (IMPA1) mutation in intellectual disability patients impairs neurogenesis but not gliogenesis. Molecular Psychiatry, 2021, 26, 3558-3571.	4.1	8
4	Altered Neuronal Support and Inflammatory Response in Bipolar Disorder Patient-Derived Astrocytes. Stem Cell Reports, 2021, 16, 825-835.	2.3	20
5	Deficient LEF1 expression is associated with lithium resistance and hyperexcitability in neurons derived from bipolar disorder patients. Molecular Psychiatry, 2021, 26, 2440-2456.	4.1	41
6	Unraveling Human Brain Development and Evolution Using Organoid Models. Frontiers in Cell and Developmental Biology, 2021, 9, 737429.	1.8	9
7	Mechanisms Underlying the Hyperexcitability of CA3 and Dentate Gyrus Hippocampal Neurons Derived From Patients With Bipolar Disorder. Biological Psychiatry, 2020, 88, 139-149.	0.7	39
8	IGF-1 treatment causes unique transcriptional response in neurons from individuals with idiopathic autism. Molecular Autism, 2020, 11, 55.	2.6	20
9	A Physiological Instability Displayed in Hippocampal Neurons Derived From Lithium-Nonresponsive Bipolar Disorder Patients. Biological Psychiatry, 2020, 88, 150-158.	0.7	28
10	Synaptotagmin-7 is a key factor for bipolar-like behavioral abnormalities in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4392-4399.	3.3	15
11	Increased Neural Progenitor Proliferation in a hiPSC Model of Autism Induces Replication Stress-Associated Genome Instability. Cell Stem Cell, 2020, 26, 221-233.e6.	5.2	61
12	Modeling Human Cytomegalovirus-Induced Microcephaly in Human iPSC-Derived Brain Organoids. Cell Reports Medicine, 2020, 1, 100002.	3.3	67
13	An Epilepsy-Associated KCNT1 Mutation Enhances Excitability of Human iPSC-Derived Neurons by Increasing Slack K_{Na} Currents. Journal of Neuroscience, 2019, 39, 7438-7449.	1.7	70
14	Dynamical Electrical Complexity Is Reduced during Neuronal Differentiation in Autism Spectrum Disorder. Stem Cell Reports, 2019, 13, 474-484.	2.3	13
15	Serotonin-induced hyperactivity in SSRI-resistant major depressive disorder patient-derived neurons. Molecular Psychiatry, 2019, 24, 795-807.	4.1	64
16	Studying treatment resistance in depression using patient derived neurons in vitro. Molecular Psychiatry, 2019, 24, 775-775.	4.1	2
17	Altered serotonergic circuitry in SSRI-resistant major depressive disorder patient-derived neurons. Molecular Psychiatry, 2019, 24, 808-818.	4.1	66
18	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. Antioxidants and Redox Signaling, 2019, 31, 275-317.	2.5	112

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19	Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. Nature Neuroscience, 2019, 22, 243-255.	7.1	209
20	Species-specific maturation profiles of human, chimpanzee and bonobo neural cells. ELife, 2019, 8, .	2.8	94
21	Characterization of calcium signals in human induced pluripotent stem cell-derived dentate gyrus neuronal progenitors and mature neurons, stably expressing an advanced calcium indicator protein. Molecular and Cellular Neurosciences, 2018, 88, 222-230.	1.0	16
22	Efficient Generation of CA3 Neurons from Human Pluripotent Stem Cells Enables Modeling of Hippocampal Connectivity InÂVitro. Cell Stem Cell, 2018, 22, 684-697.e9.	5.2	118
23	Serotonin in psychiatry: in vitro disease modeling using patient-derived neurons. Cell and Tissue Research, 2018, 371, 161-170.	1.5	36
24	Prediction of response to drug therapy in psychiatric disorders. Open Biology, 2018, 8, 180031.	1.5	50
25	Modeling psychiatric disorders using patient stem cell-derived neurons: a way forward. Genome Medicine, 2018, 10, 1.	3.6	107
26	Altered proliferation and networks in neural cells derived from idiopathic autistic individuals. Molecular Psychiatry, 2017, 22, 820-835.	4.1	349
27	Differentiation of Inflammation-Responsive Astrocytes from Glial Progenitors Generated from Human Induced Pluripotent Stem Cells. Stem Cell Reports, 2017, 8, 1757-1769.	2.3	120
28	Conserved expression of transposon-derived non-coding transcripts in primate stem cells. BMC Genomics, 2017, 18, 214.	1.2	40
29	Molecular Mechanisms of Bipolar Disorder: Progress Made and Future Challenges. Frontiers in Cellular Neuroscience, 2017, 11, 30.	1.8	73
30	2D and 3D Stem Cell Models of Primate Cortical Development Identify Species-Specific Differences in Progenitor Behavior Contributing to Brain Size. Cell Stem Cell, 2016, 18, 467-480.	5.2	292
31	Evaluating cell reprogramming, differentiation and conversion technologies in neuroscience. Nature Reviews Neuroscience, 2016, 17, 424-437.	4.9	239
32	Generating human serotonergic neurons in vitro: Methodological advances. BioEssays, 2016, 38, 1123-1129.	1.2	20
33	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder. Nature, 2015, 527, 95-99.	13.7	461
34	Mobile DNA elements in the generation of diversity and complexity in the brain. Nature Reviews Neuroscience, 2014, 15, 497-506.	4.9	230
35	A Quantitative Framework to Evaluate Modeling of Cortical Development by Neural Stem Cells. Neuron, 2014, 83, 69-86.	3.8	184
36	Human-induced pluripotent stem cells pave the road for a better understanding of motor neuron disease. Human Molecular Genetics, 2014, 23, R27-R34.	1.4	21

#	Article	IF	Citations
37	Induced pluripotent stem cells (iPSCs) and neurological disease modeling: progress and promises. Human Molecular Genetics, 2011, 20, R109-R115.	1.4	165