Flora M Vaccarino

List of Publications by Year
in descending order

113	12,385	36303	28297
papers	citations	51 h-index	105 g-index

120	120	120	17434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Somatic mosaicism reveals clonal distributions of neocortical development. Nature, 2022, 604, 689-696.	27.8	26
2	All2: A tool for selecting mosaic mutations from comprehensive multi-cell comparisons. PLoS Computational Biology, 2022, 18, e1009487.	3.2	2
3	Antibodies From Children With PANDAS Bind Specifically to Striatal Cholinergic Interneurons and Alter Their Activity. American Journal of Psychiatry, 2021, 178, 48-64.	7.2	43
4	PsychENCODE and beyond: transcriptomics and epigenomics of brain development and organoids. Neuropsychopharmacology, 2021, 46, 70-85.	5.4	15
5	The landscape of somatic mutation in cerebral cortex of autistic and neurotypical individuals revealed by ultra-deep whole-genome sequencing. Nature Neuroscience, 2021, 24, 176-185.	14.8	73
6	Cell-to-Cell Adhesion and Neurogenesis in Human Cortical Development: A Study Comparing 2D Monolayers with 3D Organoid Cultures. Stem Cell Reports, 2021, 16, 264-280.	4.8	16
7	Fibroblast Growth Factor 2 Implicated in Childhood Anxiety and Depression Symptoms. Journal of Affective Disorders, 2021, 282, 611-616.	4.1	6
8	Comprehensive identification of somatic nucleotide variants in human brain tissue. Genome Biology, 2021, 22, 92.	8.8	26
9	Early developmental asymmetries in cell lineage trees in living individuals. Science, 2021, 371, 1245-1248.	12.6	39
10	Role of SHH in Patterning Human Pluripotent Cells towards Ventral Forebrain Fates. Cells, 2021, 10, 914.	4.1	10
11	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	14.8	22
12	SCELLECTOR: ranking amplification bias in single cells using shallow sequencing. BMC Bioinformatics, 2020, 21, 521.	2.6	3
13	Complex mosaic structural variations in human fetal brains. Genome Research, 2020, 30, 1695-1704.	5.5	21
14	Cell Lineage Tracing and Cellular Diversity in Humans. Annual Review of Genomics and Human Genetics, 2020, 21, 101-116.	6.2	10
15	Induced pluripotent stem cells as models of human neurodevelopmental disorders. , 2020, , 99-127.		0
16	The role of somatic mosaicism in brain disease. Current Opinion in Genetics and Development, 2020, 65, 84-90.	3.3	20
17	One for All: A Pooled Approach to Classify Functional Impacts of Multiple Mutations. Cell Stem Cell, 2020, 27, 1-3.	11.1	13
18	Tourette syndrome. , 2020, , 675-686.		0

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19	Breakthrough Moments: Yoshiki Sasaiâ€™s Discoveries in the Third Dimension. Cell Stem Cell, 2019, 24, 837-838.	11.1	8
20	Approaches and Methods for Variant Analysis in the Genome of a Single Cell. Healthy Ageing and Longevity, 2019, , 203-228.	0.2	1
21	Loss of TrkB Signaling in Parvalbumin-Expressing Basket Cells Results in Network Activity Disruption and Abnormal Behavior. Cerebral Cortex, 2018, 28, 3399-3413.	2.9	32
22	Different mutational rates and mechanisms in human cells at pregastrulation and neurogenesis. Science, 2018, 359, 550-555.	12.6	216
23	Transcriptome and epigenome landscape of human cortical development modeled in organoids. Science, 2018, 362, .	12.6	220
24	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. Science, 2018, 362, .	12.6	516
25	Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .	12.6	805
26	Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, .	12.6	618
27	Fibroblast growth factor 2 is necessary for the antidepressant effects of fluoxetine. PLoS ONE, 2018, 13, e0204980.	2.5	28
28	iPSC-derived neurons profiling reveals GABAergic circuit disruption and acetylated Î±-tubulin defect which improves after iHDAC6 treatment in Rett syndrome. Experimental Cell Research, 2018, 368, 225-235.	2.6	36
29	One thousand somatic SNVs per skin fibroblast cell set baseline of mosaic mutational load with patterns that suggest proliferative origin. Genome Research, 2017, 27, 512-523.	5.5	64
30	Human induced pluripotent stem cells for modelling neurodevelopmental disorders. Nature Reviews Neurology, 2017, 13, 265-278.	10.1	135
31	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. Science, 2017, 356, .	12.6	206
32	Principles and Approaches for Discovery and Validation of Somatic Mosaicism in the Human Brain. Neuromethods, 2017, , 3-24.	0.3	1
33	Transcriptome Analysis of the Human Striatum in Tourette Syndrome. Biological Psychiatry, 2016, 79, 372-382.	1.3	160
34	Fibroblast Growth Factor 2 Modulates Hypothalamic Pituitary Axis Activity and Anxiety Behavior Through Glucocorticoid Receptors. Biological Psychiatry, 2016, 80, 479-489.	1.3	49
35	Kv3.3 Channels Bind Hax-1 and Arp2/3 to Assemble a Stable Local Actin Network that Regulates Channel Gating. Cell, 2016, 165, 434-448.	28.9	57
36	Altering the course of schizophrenia: progress and perspectives. Nature Reviews Drug Discovery, 2016, 15, 485-515.	46.4	410

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37	Imbalance of excitatory/inhibitory synaptic protein expression in iPSC-derived neurons from FOXG1+/â˜’ patients and in foxg1+/â˜’ mice. European Journal of Human Genetics, 2016, 24, 871-880.	2.8	54
38	Altered expression of neuropeptides in FoxG1-null heterozygous mutant mice. European Journal of Human Genetics, 2016, 24, 252-257.	2.8	10
39	Creating Patient-Specific Neural Cells for the InÂVitro Study of Brain Disorders. Stem Cell Reports, 2015, 5, 933-945.	4.8	72
40	Targeted ablation of cholinergic interneurons in the dorsolateral striatum produces behavioral manifestations of Tourette syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 893-898.	7.1	137
41	Contribution of maternal oxygenic state to the effects of chronic postnatal hypoxia on mouse body and brain development. Neuroscience Letters, 2015, 604, 12-17.	2.1	7
42	FOXG1-Dependent Dysregulation of GABA/Glutamate Neuron Differentiation in Autism Spectrum Disorders. Cell, 2015, 162, 375-390.	28.9	894
43	How Animal Models Inform Child and Adolescent Psychiatry. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 352-359.	0.5	13
44	The PsychENCODE project. Nature Neuroscience, 2015, 18, 1707-1712.	14.8	371
45	Editorial commentary: â€œWhat does immunology have to do with brain development and neuropsychiatric disorders?â€• Brain Research, 2015, 1617, 1-6.	2.2	13
46	Tourette Syndrome. , 2015, , 1311-1320.		0
47	The use of stem cells to study autism spectrum disorder. Yale Journal of Biology and Medicine, 2015, 88, 5-16.	0.2	11
48	Neurobiology of premature brain injury. Nature Neuroscience, 2014, 17, 341-346.	14.8	240
49	Neurogenesis and Maturation in Neonatal Brain Injury. Clinics in Perinatology, 2014, 41, 229-239.	2.1	28
50	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. Nature Neuroscience, 2014, 17, 908-910.	14.8	268
51	Fgfr1 Inactivation in the Mouse Telencephalon Results in Impaired Maturation of Interneurons Expressing Parvalbumin. PLoS ONE, 2014, 9, e103696.	2.5	19
52	Hypoxia-Induced Developmental Delays of Inhibitory Interneurons Are Reversed by Environmental Enrichment in the Postnatal Mouse Forebrain. Journal of Neuroscience, 2013, 33, 13375-13387.	3.6	75
53	Cortical Gyrification Induced by Fibroblast Growth Factor 2 in the Mouse Brain. Journal of Neuroscience, 2013, 33, 10802-10814.	3.6	85
54	Prenatal stress delays inhibitory neuron progenitor migration in the developing neocortex. Psychoneuroendocrinology, 2013, 38, 509-521.	2.7	71

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55	Functional genomic screen of human stem cell differentiation reveals pathways involved in neurodevelopment and neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12361-12366.	7.1	23
56	Age-related changes of gene expression in the neocortex: Preliminary data on RNA-Seq of the transcriptome in three functionally distinct cortical areas. Development and Psychopathology, 2012, 24, 1427-1442.	2.3	22
57	Modeling human cortical development in vitro using induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12770-12775.	7.1	442
58	Environmental Enrichment Increases the GFAP+ Stem Cell Pool and Reverses Hypoxia-Induced Cognitive Deficits in Juvenile Mice. Journal of Neuroscience, 2012, 32, 8930-8939.	3.6	50
59	Neurobiology meets genomic science: The promise of human-induced pluripotent stem cells. Development and Psychopathology, 2012, 24, 1443-1451.	2.3	6
60	Somatic copy number mosaicism in human skin revealed by induced pluripotent stem cells. Nature, 2012, 492, 438-442.	27.8	355
61	Oligodendrocyte Regeneration after Neonatal Hypoxia Requires FoxO1-Mediated p27^{Kip1}Expression. Journal of Neuroscience, 2012, 32, 14775-14793.	3.6	82
62	Learning and Memory Depend on Fibroblast Growth Factor Receptor 2 Functioning in Hippocampus. Biological Psychiatry, 2012, 71, 1090-1098.	1.3	37
63	Impaired motor coordination and disrupted cerebellar architecture in Fgfr1 and Fgfr2 double knockout mice. Brain Research, 2012, 1460, 12-24.	2.2	25
64	Toward a Novel Endogenous Anxiolytic Factor, Fibroblast Growth Factor 2. Biological Psychiatry, 2011, 69, 508-509.	1.3	7
65	Induced pluripotent stem cells: A new tool to confront the challenge of neuropsychiatric disorders. Neuropharmacology, 2011, 60, 1355-1363.	4.1	46
66	Annual Research Review: The promise of stem cell research for neuropsychiatric disorders. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2011, 52, 504-516.	5.2	33
67	FGF Signaling Expands Embryonic Cortical Surface Area by Regulating Notch-Dependent Neurogenesis. Journal of Neuroscience, 2011, 31, 15604-15617.	3.6	85
68	Cortical Glial Fibrillary Acidic Protein-Positive Cells Generate Neurons after Perinatal Hypoxic Injury. Journal of Neuroscience, 2011, 31, 9205-9221.	3.6	50
69	Decreased number of parvalbumin and cholinergic interneurons in the striatum of individuals with Tourette syndrome. Journal of Comparative Neurology, 2010, 518, 277-291.	1.6	396
70	Exciting news from the adult mouse subventricular zone. Frontiers in Neuroscience, 2010, 4, 23.	2.8	2
71	Neural stem cell regulation, fibroblast growth factors, and the developmental origins of neuropsychiatric disorders. Frontiers in Neuroscience, 2010, 4, .	2.8	48
72	Fgfr2Is Required for the Development of the Medial Prefrontal Cortex and Its Connections with Limbic Circuits. Journal of Neuroscience, 2010, 30, 5590-5602.	3.6	66

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73	Pyramidal Neurons Are Generated from Oligodendroglial Progenitor Cells in Adult Piriform Cortex. Journal of Neuroscience, 2010, 30, 12036-12049.	3.6	157
74	Astroglial cells in the external granular layer are precursors of cerebellar granule neurons in neonates. Molecular and Cellular Neurosciences, 2010, 44, 362-373.	2.2	33
75	Fgfr1Is Required for Cortical Regeneration and Repair after Perinatal Hypoxia. Journal of Neuroscience, 2009, 29, 1202-1211.	3.6	79
76	Hypoxic Injury during Neonatal Development in Murine Brain: Correlation between In Vivo DTI Findings and Behavioral Assessment. Cerebral Cortex, 2009, 19, 2891-2901.	2.9	49
77	Regulation of Cerebral Cortical Size and Neuron Number by Fibroblast Growth Factors: Implications for Autism. Journal of Autism and Developmental Disorders, 2009, 39, 511-520.	2.7	70
78	Precursors with Glial Fibrillary Acidic Protein Promoter Activity Transiently Generate GABA Interneurons in the Postnatal Cerebellum. Stem Cells, 2009, 27, 1152-1163.	3.2	36
79	Modeling premature brain injury and recovery. International Journal of Developmental Neuroscience, 2009, 27, 863-871.	1.6	74
80	Increased Brain Size in Autismâ€"What It Will Take to Solve a Mystery. Biological Psychiatry, 2009, 66, 313-315.	1.3	24
81	Decrease in excitatory neurons, astrocytes and proliferating progenitors in the cerebral cortex of mice lacking exon 3 from the Fgf2 gene. BMC Neuroscience, 2008, 9, 94.	1.9	11
82	Deficiency in Inhibitory Cortical Interneurons Associates with Hyperactivity in Fibroblast Growth Factor Receptor 1 Mutant Mice. Biological Psychiatry, 2008, 63, 953-962.	1.3	31
83	Astroglial Cells in Development, Regeneration, and Repair. Neuroscientist, 2007, 13, 173-185.	3.5	48
84	Notch regulates cell fate and dendrite morphology of newborn neurons in the postnatal dentate gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20558-20563.	7.1	364
85	Cortical neurogenesis enhanced by chronic perinatal hypoxia. Experimental Neurology, 2006, 199, 77-91.	4.1	139
86	Midline radial glia translocation and corpus callosum formation require FGF signaling. Nature Neuroscience, 2006, 9, 787-797.	14.8	145
87	Annotation: Tourette syndrome: a relentless drumbeat - driven by misguided brain oscillations. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2006, 47, 537-550.	5.2	108
88	Early Postnatal Astroglial Cells Produce Multilineage Precursors and Neural Stem Cells In Vivo. Journal of Neuroscience, 2006, 26, 8609-8621.	3.6	220
89	Altered parvalbumin-positive neuron distribution in basal ganglia of individuals with Tourette syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13307-13312.	7.1	476
90	Otx2 Regulates Subtype Specification and Neurogenesis in the Midbrain. Journal of Neuroscience, 2005, 25, 4856-4867.	3.6	133

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91	Fibroblast Growth Factor Receptor 1 Is Required for the Proliferation of Hippocampal Progenitor Cells and for Hippocampal Growth in Mouse. Journal of Neuroscience, 2004, 24, 6057-6069.	3.6	128
92	Loss of Glutamatergic Pyramidal Neurons in Frontal and Temporal Cortex Resulting from Attenuation of FGFR1 Signaling Is Associated with Spontaneous Hyperactivity in Mice. Journal of Neuroscience, 2004, 24, 2247-2258.	3.6	77
93	Chronic neonatal hypoxia leads to long term decreases in the volume and cell number of the rat cerebral cortex. Seminars in Perinatology, 2004, 28, 379-388.	2.5	40
94	Fibroblast Growth Factor 2 Is Required for Maintaining the Neural Stem Cell Pool in the Mouse Brain Subventricular Zone. Developmental Neuroscience, 2004, 26, 181-196.	2.0	172
95	Fibroblast Growth Factor 2 Is Necessary for the Growth of Glutamate Projection Neurons in the Anterior Neocortex. Journal of Neuroscience, 2002, 22, 863-875.	3.6	77
96	Stem Cells in Neurodevelopment and Plasticity. Neuropsychopharmacology, 2001, 25, 805-815.	5.4	47
97	Basic Fibroblast Growth Factor (Fgf2) Is Necessary for Cell Proliferation and Neurogenesis in the Developing Cerebral Cortex. Journal of Neuroscience, 2000, 20, 5012-5023.	3.6	384
98	Stem Cells and Neuronal Progenitors and Their Diversity in the CNS: Are Time and Place Important?. Neuroscientist, 2000, 6, 338-352.	3.5	2
99	Changes in cerebral cortex size are governed by fibroblast growth factor during embryogenesis. Nature Neuroscience, 1999, 2, 246-253.	14.8	332
100	6 Fibroblast Growth Factor Signaling Regulates Growth and Morphogenesis at Multiple Steps during Brain Development. Current Topics in Developmental Biology, 1999, 46, 179-200.	2.2	77
101	Identification, Chromosomal Assignment, and Expression Analysis of the Human Homeodomain-Containing Gene Orthopedia (OTP). Genomics, 1999, 60, 96-104.	2.9	28
102	Progressive impairment of developing neuroendocrine cell lineages in the hypothalamus of mice lacking the Orthopedia gene. Genes and Development, 1999, 13, 2787-2800.	5.9	175
103	Dlx-2 homeobox gene controls neuronal differentiation in primary cultures of developing basal ganglia. Journal of Molecular Neuroscience, 1997, 8, 93-113.	2.3	22
104	Characterization and Sequence Analysis of the Human Homeobox-Containing GeneGBX2. Genomics, 1996, 31, 335-342.	2.9	16
105	Basic Fibroblast Growth Factor Increases the Number of Excitatory Neurons Containing Glutamate in the Cerebral Cortex. Cerebral Cortex, 1995, 5, 64-78.	2.9	66
106	Excitatory amino acid receptors in glial progenitor cells: Molecular and functional properties. Glia, 1994, 11, 94-101.	4.9	98
107	Differential induction of immediate early genes by excitatory amino acid receptor types in primary cultures of cortical and striatal neurons. Molecular Brain Research, 1992, 12, 233-241.	2.3	119
108	Modulation of Protein Kinase C Translocation by Excitatory and Inhibitory Amino Acids in Primary Cultures of Neurons. Journal of Neurochemistry, 1991, 57, 391-396.	3.9	73

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109	Primary cultures of corticostriatal cells from newborn rats: A model to study muscarinic receptor subtypes regulation and function. Journal of Molecular Neuroscience, 1990, 2, 143-153.	2.3	10
110	Subcellular Location and Neuronal Release of Diazepam Binding Inhibitor. Journal of Neurochemistry, 1987, 48, 1093-1102.	3.9	60
111	GABA-Modulin: A Synaptosomal Basic Protein that Differs from Small Myelin Basic Protein of Rat Brain. Journal of Neurochemistry, 1985, 44, 278-290.	3.9	19
112	Residual benzodiazepine (BZ) binding in the cortex ofpcd mutant cerebella and qualitative BZ binding in the deep cerebellar nuclei of control and mutant mice: an autoradiographic study. Brain Research, 1985, 343, 70-78.	2.2	17
113	In vivo modulation of brain dop amine recognition sites: A possible model for emission computed tomography studies. Neuropharmacology, 1983, 22, 791-795.	4.1	13