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	FOXG1-Dependent Dysregulation of GABA/Glutamate Neuron Differentiation in Autism Spectrum Disorders. Cell, 2015, 162, 375-390.	28.9	894
2	Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .	12.6	805
3	Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, .	12.6	618
4	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. Science, 2018, 362, .	12.6	516
5	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
6	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
7	Altering the course of schizophrenia: progress and perspectives. Nature Reviews Drug Discovery, 2016, 15, 485-515.	46.4	410
8	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
9	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
10	The PsychENCODE project. Nature Neuroscience, 2015, 18, 1707-1712.	14.8	371
11	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
12	Somatic copy number mosaicism in human skin revealed by induced pluripotent stem cells. Nature, 2012, 492, 438-442.	27.8	355
13	Changes in cerebral cortex size are governed by fibroblast growth factor during embryogenesis. Nature Neuroscience, 1999, 2, 246-253.	14.8	332
14	Leptin signaling in astrocytes regulates hypothalamic neuronal circuits and feeding. Nature Neuroscience, 2014, 17, 908-910.	14.8	268
15	Neurobiology of premature brain injury. Nature Neuroscience, 2014, 17, 341-346.	14.8	240
16	Early Postnatal Astroglial Cells Produce Multilineage Precursors and Neural Stem Cells In Vivo. Journal of Neuroscience, 2006, 26, 8609-8621.	3.6	220
17	Transcriptome and epigenome landscape of human cortical development modeled in organoids. Science, 2018, 362, .	12.6	220
18	Different mutational rates and mechanisms in human cells at pregastrulation and neurogenesis. Science, 2018, 359, 550-555.	12.6	216

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19	Intersection of diverse neuronal genomes and neuropsychiatric disease: The Brain Somatic Mosaicism Network. Science, 2017, 356, .	12.6	206
20	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
21	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
22	Transcriptome Analysis of the Human Striatum in Tourette Syndrome. Biological Psychiatry, 2016, 79, 372-382.	1.3	160
23	Pyramidal Neurons Are Generated from Oligodendroglial Progenitor Cells in Adult Piriform Cortex. Journal of Neuroscience, 2010, 30, 12036-12049.	3.6	157
24	Midline radial glia translocation and corpus callosum formation require FGF signaling. Nature Neuroscience, 2006, 9, 787-797.	14.8	145
25	Cortical neurogenesis enhanced by chronic perinatal hypoxia. Experimental Neurology, 2006, 199, 77-91.	4.1	139
26	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
27	Human induced pluripotent stem cells for modelling neurodevelopmental disorders. Nature Reviews Neurology, 2017, 13, 265-278.	10.1	135
28	Otx2 Regulates Subtype Specification and Neurogenesis in the Midbrain. Journal of Neuroscience, 2005, 25, 4856-4867.	3.6	133
29	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
30	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
31	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
32	Excitatory amino acid receptors in glial progenitor cells: Molecular and functional properties. Glia, 1994, 11, 94-101.	4.9	98
33	FGF Signaling Expands Embryonic Cortical Surface Area by Regulating Notch-Dependent Neurogenesis. Journal of Neuroscience, 2011, 31, 15604-15617.	3.6	85
34	Cortical Gyrification Induced by Fibroblast Growth Factor 2 in the Mouse Brain. Journal of Neuroscience, 2013, 33, 10802-10814.	3.6	85
35	Oligodendrocyte Regeneration after Neonatal Hypoxia Requires FoxO1-Mediated p27^{Kip1}Expression. Journal of Neuroscience, 2012, 32, 14775-14793.	3.6	82
36	Fgfr1Is Required for Cortical Regeneration and Repair after Perinatal Hypoxia. Journal of Neuroscience, 2009, 29, 1202-1211.	3.6	79

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37	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
38	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
39	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
40	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
41	Modeling premature brain injury and recovery. International Journal of Developmental Neuroscience, 2009, 27, 863-871.	1.6	74
42	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
43	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
44	Creating Patient-Specific Neural Cells for the InÂVitro Study of Brain Disorders. Stem Cell Reports, 2015, 5, 933-945.	4.8	72
45	Prenatal stress delays inhibitory neuron progenitor migration in the developing neocortex. Psychoneuroendocrinology, 2013, 38, 509-521.	2.7	71
46	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
47	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
48	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
49	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
50	Subcellular Location and Neuronal Release of Diazepam Binding Inhibitor. Journal of Neurochemistry, 1987, 48, 1093-1102.	3.9	60
51	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
52	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
53	Cortical Glial Fibrillary Acidic Protein-Positive Cells Generate Neurons after Perinatal Hypoxic Injury. Journal of Neuroscience, 2011, 31, 9205-9221.	3.6	50
54	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

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55	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
56	Fibroblast Growth Factor 2 Modulates Hypothalamic Pituitary Axis Activity and Anxiety Behavior Through Glucocorticoid Receptors. Biological Psychiatry, 2016, 80, 479-489.	1.3	49
57	Astroglial Cells in Development, Regeneration, and Repair. Neuroscientist, 2007, 13, 173-185.	3.5	48
58	Neural stem cell regulation, fibroblast growth factors, and the developmental origins of neuropsychiatric disorders. Frontiers in Neuroscience, 2010, 4, .	2.8	48
59	Stem Cells in Neurodevelopment and Plasticity. Neuropsychopharmacology, 2001, 25, 805-815.	5.4	47
60	Induced pluripotent stem cells: A new tool to confront the challenge of neuropsychiatric disorders. Neuropharmacology, 2011, 60, 1355-1363.	4.1	46
61	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
62	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
63	Early developmental asymmetries in cell lineage trees in living individuals. Science, 2021, 371, 1245-1248.	12.6	39
64	Learning and Memory Depend on Fibroblast Growth Factor Receptor 2 Functioning in Hippocampus. Biological Psychiatry, 2012, 71, 1090-1098.	1.3	37
65	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
66	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
67	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
68	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
69	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
70	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
71	Identification, Chromosomal Assignment, and Expression Analysis of the Human Homeodomain-Containing Gene Orthopedia (OTP). Genomics, 1999, 60, 96-104.	2.9	28
72	Neurogenesis and Maturation in Neonatal Brain Injury. Clinics in Perinatology, 2014, 41, 229-239.	2.1	28

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73	Fibroblast growth factor 2 is necessary for the antidepressant effects of fluoxetine. PLoS ONE, 2018, 13, e0204980.	2.5	28
74	Comprehensive identification of somatic nucleotide variants in human brain tissue. Genome Biology, 2021, 22, 92.	8.8	26
75	Somatic mosaicism reveals clonal distributions of neocortical development. Nature, 2022, 604, 689-696.	27.8	26
76	Impaired motor coordination and disrupted cerebellar architecture in Fgfr1 and Fgfr2 double knockout mice. Brain Research, 2012, 1460, 12-24.	2.2	25
77	Increased Brain Size in Autismâ€"What It Will Take to Solve a Mystery. Biological Psychiatry, 2009, 66, 313-315.	1.3	24
78	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
79	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
80	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
81	Machine learning reveals bilateral distribution of somatic L1 insertions in human neurons and glia. Nature Neuroscience, 2021, 24, 186-196.	14.8	22
82	Complex mosaic structural variations in human fetal brains. Genome Research, 2020, 30, 1695-1704.	5.5	21
83	The role of somatic mosaicism in brain disease. Current Opinion in Genetics and Development, 2020, 65, 84-90.	3.3	20
84	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
85	Fgfr1 Inactivation in the Mouse Telencephalon Results in Impaired Maturation of Interneurons Expressing Parvalbumin. PLoS ONE, 2014, 9, e103696.	2.5	19
86	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
87	Characterization and Sequence Analysis of the Human Homeobox-Containing GeneGBX2. Genomics, 1996, 31, 335-342.	2.9	16
88	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
89	PsychENCODE and beyond: transcriptomics and epigenomics of brain development and organoids. Neuropsychopharmacology, 2021, 46, 70-85.	5.4	15
90	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

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91	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
92	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
93	One for All: A Pooled Approach to Classify Functional Impacts of Multiple Mutations. Cell Stem Cell, 2020, 27, 1-3.	11.1	13
94	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
95	The use of stem cells to study autism spectrum disorder. Yale Journal of Biology and Medicine, 2015, 88, 5-16.	0.2	11
96	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
97	Altered expression of neuropeptides in FoxG1-null heterozygous mutant mice. European Journal of Human Genetics, 2016, 24, 252-257.	2.8	10
98	Cell Lineage Tracing and Cellular Diversity in Humans. Annual Review of Genomics and Human Genetics, 2020, 21, 101-116.	6.2	10
99	Role of SHH in Patterning Human Pluripotent Cells towards Ventral Forebrain Fates. Cells, 2021, 10, 914.	4.1	10
100	Breakthrough Moments: Yoshiki Sasaiâ€™s Discoveries in the Third Dimension. Cell Stem Cell, 2019, 24, 837-838.	11.1	8
101	Toward a Novel Endogenous Anxiolytic Factor, Fibroblast Growth Factor 2. Biological Psychiatry, 2011, 69, 508-509.	1.3	7
102	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
103	Neurobiology meets genomic science: The promise of human-induced pluripotent stem cells. Development and Psychopathology, 2012, 24, 1443-1451.	2.3	6
104	Fibroblast Growth Factor 2 Implicated in Childhood Anxiety and Depression Symptoms. Journal of Affective Disorders, 2021, 282, 611-616.	4.1	6
105	SCELLECTOR: ranking amplification bias in single cells using shallow sequencing. BMC Bioinformatics, 2020, 21, 521.	2.6	3
106	Stem Cells and Neuronal Progenitors and Their Diversity in the CNS: Are Time and Place Important?. Neuroscientist, 2000, 6, 338-352.	3.5	2
107	Exciting news from the adult mouse subventricular zone. Frontiers in Neuroscience, 2010, 4, 23.	2.8	2
108	All2: A tool for selecting mosaic mutations from comprehensive multi-cell comparisons. PLoS Computational Biology, 2022, 18, e1009487.	3.2	2

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109	Principles and Approaches for Discovery and Validation of Somatic Mosaicism in the Human Brain. Neuromethods, 2017, , 3-24.	0.3	1
110	Approaches and Methods for Variant Analysis in the Genome of a Single Cell. Healthy Ageing and Longevity, 2019, , 203-228.	0.2	1
111	Tourette Syndrome. , 2015, , 1311-1320.		0
112	Induced pluripotent stem cells as models of human neurodevelopmental disorders. , 2020, , 99-127.		0
113	Tourette syndrome. , 2020, , 675-686.		0