Fiona Francis

List of Publications by Year
in descending order

42 papers	4,128 citations	236925 25 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	5019 citing authors

#	Article	IF	Citations
1	Doublecortin Is a Developmentally Regulated, Microtubule-Associated Protein Expressed in Migrating and Differentiating Neurons. Neuron, 1999, 23, 247-256.	8.1	936
2	Mutations in TUBG1, DYNC1H1, KIF5C and KIF2A cause malformations of cortical development and microcephaly. Nature Genetics, 2013, 45, 639-647.	21.4	399
3	ARX, a novel Prd-class-homeobox gene highly expressed in the telencephalon, is mutated in X-linked mental retardation. Human Molecular Genetics, 2002, 11, 981-991.	2.9	248
4	Comparative aspects of cerebral cortical development. European Journal of Neuroscience, 2006, 23, 921-934.	2.6	237
5	Mechanism of Microtubule Stabilization by Doublecortin. Molecular Cell, 2004, 14, 833-839.	9.7	220
6	Large spectrum of lissencephaly and pachygyria phenotypes resulting from de novo missense mutations in tubulin alpha 1A (TUBA1A). Human Mutation, 2007, 28, 1055-1064.	2.5	213
7	Doublecortin Functions at the Extremities of Growing Neuronal Processes. Cerebral Cortex, 2003, 13, 620-626.	2.9	163
8	Branching and nucleokinesis defects in migrating interneurons derived from doublecortin knockout mice. Human Molecular Genetics, 2006, 15, 1387-1400.	2.9	145
9	Human disorders of cortical development: from past to present. European Journal of Neuroscience, 2006, 23, 877-893.	2.6	138
10	Mutations in Eml1 lead to ectopic progenitors and neuronal heterotopia in mouse and human. Nature Neuroscience, 2014, 17, 923-933.	14.8	137
11	New insights into genotypeâ€“phenotype correlations for the doublecortin-related lissencephaly spectrum. Brain, 2013, 136, 223-244.	7.6	99
12	Neuropathological phenotype of a distinct form of lissencephaly associated with mutations in TUBA1A. Brain, 2008, 131, 2304-2320.	7.6	98
13	Genetics and mechanisms leading to human cortical malformations. Seminars in Cell and Developmental Biology, 2018, 76, 33-75.	5.0	87
14	Neuronal migration disorders: Focus on the cytoskeleton and epilepsy. Neurobiology of Disease, 2016, 92, 18-45.	4.4	82
15	Cortical progenitor biology: key features mediating proliferation versus differentiation. Journal of Neurochemistry, 2018, 146, 500-525.	3.9	77
16	Microtubule architecturein vitroand in cells revealed by cryo-electron tomography. Acta Crystallographica Section D: Structural Biology, 2018, 74, 572-584.	2.3	74
17	Genes and Mechanisms Involved in the Generation and Amplification of Basal Radial Glial Cells. Frontiers in Cellular Neuroscience, 2019, 13, 381.	3.7	65
18	Magnetic resonance imaging and histological studies of corpus callosal and hippocampal abnormalities linked to doublecortin deficiency. Journal of Comparative Neurology, 2007, 500, 239-254.	1.6	64

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19	Expanding the spectrum of TUBA1A-related cortical dysgenesis to Polymicrogyria. European Journal of Human Genetics, 2013, 21, 381-385.	2.8	63
20	Epilepsy in Dcx Knockout Mice Associated with Discrete Lamination Defects and Enhanced Excitability in the Hippocampus. PLoS ONE, 2008, 3, e2473.	2.5	63
21	Mutation of the Î±-tubulin Tuba1a leads to straighter microtubules and perturbs neuronal migration. Journal of Cell Biology, 2017, 216, 2443-2461.	5.2	61
22	Doublecortin Interacts with Î¼ Subunits of Clathrin Adaptor Complexes in the Developing Nervous System. Molecular and Cellular Neurosciences, 2001, 18, 307-319.	2.2	57
23	Mapping the molecular and cellular complexity of cortical malformations. Science, 2021, 371, .	12.6	57
24	Beta tubulin isoforms are not interchangeable for rescuing impaired radial migration due to Tubb3 knockdown. Human Molecular Genetics, 2014, 23, 1516-1526.	2.9	46
25	Morphological and functional aspects of progenitors perturbed in cortical malformations. Frontiers in Cellular Neuroscience, 2015, 9, 30.	3.7	42
26	Mutations in the Heterotopia Gene Eml1/EML1 Severely Disrupt the Formation of Primary Cilia. Cell Reports, 2019, 28, 1596-1611.e10.	6.4	28
27	Eml1 loss impairs apical progenitor spindle length and soma shape in the developing cerebral cortex. Scientific Reports, 2017, 7, 17308.	3.3	26
28	Extracellular Control of Radial Glia Proliferation and Scaffolding During Cortical Development and Pathology. Frontiers in Cell and Developmental Biology, 2020, 8, 578341.	3.7	25
29	Neuronal migration and disorders â€“ an update. Current Opinion in Neurobiology, 2021, 66, 57-68.	4.2	25
30	Cellular anatomy, physiology and epileptiform activity in the CA3 region of Dcx knockout mice: a neuronal lamination defect and its consequences. European Journal of Neuroscience, 2012, 35, 244-256.	2.6	22
31	Human cerebral organoids reveal progenitor pathology in EML1â€linked cortical malformation. EMBO Reports, 2022, , e54027.	4.5	19
32	Doublecortin Knockout Mice Show Normal Hippocampal-Dependent Memory Despite CA3 Lamination Defects. PLoS ONE, 2013, 8, e74992.	2.5	18
33	EML1â€associated brain overgrowth syndrome with ribbonâ€like heterotopia. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2019, 181, 627-637.	1.6	17
34	Visualising the cytoskeletal machinery in neuronal growth cones using cryo-electron tomography. Journal of Cell Science, 2022, 135, .	2.0	16
35	Neuronal migration and its disorders affecting the CA3 region. Frontiers in Cellular Neuroscience, 2014, 8, 63.	3.7	13
36	The neuroanatomy of Eml1 knockout mice, a model of subcortical heterotopia. Journal of Anatomy, 2019, 235, 637-650.	1.5	13

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37	Organelle and Cellular Abnormalities Associated with Hippocampal Heterotopia in Neonatal Doublecortin Knockout Mice. PLoS ONE, 2013, 8, e72622.	2.5	9
38	Early born neurons are abnormally positioned in the doublecortin knockout hippocampus. Human Molecular Genetics, 2016, 26, ddw370.	2.9	9
39	Lis1 mutation prevents basal radial glia-like cell production in the mouse. Human Molecular Genetics, 2022, 31, 942-957.	2.9	5
40	Tubulin diversity and neuronal migration. Cell Cycle, 2018, 17, 405-406.	2.6	4
41	Novel role of the synaptic scaffold protein Dlgap4 in ventricular surface integrity and neuronal migration during cortical development. Nature Communications, 2022, 13, 2746.	12.8	4
42	Rotatinâ€™ the phenotypes. Brain, 2019, 142, 834-838.	7.6	0