# Kathleen J Millen

List of Publications by Year
in descending order



| 88 | 6,881 | 66343 | 64796 |
|---|---|---|---|
| papers | citations | 42 h-index | 79 g-index |

| 97 | 97 | 97 | 9666 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Human Cerebellar Development and Transcriptomics: Implications for Neurodevelopmental Disorders. Annual Review of Neuroscience, 2022, 45, 515-531. | 10.7 | 19 |
| 2 | Spatial and cell type transcriptional landscape of human cerebellar development. Nature Neuroscience, 2021, 24, 1163-1175. | 14.8 | 98 |
| 3 | Evidence of disrupted rhombic lip development in the pathogenesis of Dandyâ€“Walker malformation. Acta Neuropathologica, 2021, 142, 761-776. | 7.7 | 15 |
| 4 | Adaptations in Hippo-Yap signaling and myofibroblast fate underlie scar-free ear appendage wound healing in spiny mice. Developmental Cell, 2021, 56, 2722-2740.e6. | 7.0 | 31 |
| 5 | Spiny mice activate unique transcriptional programs after severe kidney injury regenerating organ function without fibrosis. IScience, 2021, 24, 103269. | 4.1 | 17 |
| 6 | Non-synaptic Cell-Autonomous Mechanisms Underlie Neuronal Hyperactivity in a Genetic Model of PIK3CA-Driven Intractable Epilepsy. Frontiers in Molecular Neuroscience, 2021, 14, 772847. | 2.9 | 2 |
| 7 | EPCO-26. INTEGRATIVE MULTI-OMICS IDENTIFIES CONVERGING DEVELOPMENTAL ORIGINS OF DISTINCT MEDULLOBLASTOMA SUBGROUPS. Neuro-Oncology, 2021, 23, vi7-vi7. | 1.2 | 0 |
| 8 | Neurogenesis in the cerebellum. , 2020, , 349-367. | | 2 |
| 9 | Hippocampal granule cell dispersion: a non-specific finding in pediatric patients with no history of seizures. Acta Neuropathologica Communications, 2020, 8, 54. | 5.2 | 18 |
| 10 | Intermediate progenitors support migration of neural stem cells into dentate gyrus outer neurogenic niches. ELife, 2020, 9, . | 6.0 | 37 |
| 11 | Laser Capture Micro-dissection (LCM) of Neonatal Mouse Forebrain for RNA Isolation. Bio-protocol, 2020, 10, . | 0.4 | 0 |
| 12 | What cerebellar malformations tell us about cerebellar development. Neuroscience Letters, 2019, 688, 14-25. | 2.1 | 20 |
| 13 | Spatiotemporal expansion of primary progenitor zones in the developing human cerebellum. Science, 2019, 366, 454-460. | 12.6 | 97 |
| 14 | Early dorsomedial tissue interactions regulate gyrification of distal neocortex. Nature Communications, 2019, 10, 5192. | 12.8 | 16 |
| 15 | Redefining the Etiologic Landscape of Cerebellar Malformations. American Journal of Human Genetics, 2019, 105, 606-615. | 6.2 | 61 |
| 16 | PI3K-Yap activity drives cortical gyrification and hydrocephalus in mice. ELife, 2019, 8, . | 6.0 | 28 |
| 17 | ZIC1 Function in Normal Cerebellar Development and Human Developmental Pathology. Advances in Experimental Medicine and Biology, 2018, 1046, 249-268. | 1.6 | 36 |
| 18 | Roof Plate-Derived Radial Glial-like Cells Support Developmental Growth of Rapidly Adapting Mechanoreceptor Ascending Axons. Cell Reports, 2018, 23, 2928-2941. | 6.4 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Embryology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 154, 29-44. | 1.8 | 23 |
| 20 | Phenotypic outcomes in Mouse and Human Foxc1 dependent Dandy-Walker cerebellar malformation suggest shared mechanisms. ELife, 2017, 6, . | 6.0 | 31 |
| 21 | Mutations in CRADD Result in Reduced Caspase-2-Mediated Neuronal Apoptosis and Cause Megalencephaly with a Rare Lissencephaly Variant. American Journal of Human Genetics, 2016, 99, 1117-1129. | 6.2 | 50 |
| 22 | Active medulloblastoma enhancers reveal subgroup-specific cellular origins. Nature, 2016, 530, 57-62. | 27.8 | 318 |
| 23 | Two Hundred Thirty-Six Children With Developmental Hydrocephalus: Causes and Clinical Consequences. Journal of Child Neurology, 2016, 31, 309-320. | 1.4 | 30 |
| 24 | Consensus Paper: Cerebellar Development. Cerebellum, 2016, 15, 789-828. | 2.5 | 337 |
| 25 | ISDN2014_0119: Mesenchymal Foxc1 nonâ€autonomously controls cerebellar development through SDF1Î±â€CXCR4 maintenance of radial glial cells. International Journal of Developmental Neuroscience, 2015, 47, 34-34. | 1.6 | 4 |
| 26 | Sensory and spinal inhibitory dorsal midline crossing is independent of Robo3. Frontiers in Neural Circuits, 2015, 9, 36. | 2.8 | 20 |
| 27 | The Spontaneous Ataxic Mouse Mutant Tippy is Characterized by a Novel Purkinje Cell Morphogenesis and Degeneration Phenotype. Cerebellum, 2015, 14, 292-307. | 2.5 | 9 |
| 28 | Mouse models of human PIK3CA-related brain overgrowth have acutely treatable epilepsy. ELife, 2015, 4, . | 6.0 | 79 |
| 29 | Systemic glycerol decreases neonatal rabbit brain and cerebellar growth independent of intraventricular hemorrhage. Pediatric Research, 2014, 75, 389-394. | 2.3 | 15 |
| 30 | The role of Zic genes in inner ear development in the mouse: Exploring mutant mouse phenotypes. Developmental Dynamics, 2014, 243, 1487-1498. | 1.8 | 12 |
| 31 | Purkinje cell compartmentalization in the cerebellum of the spontaneous mutant mouse dreher. Brain Structure and Function, 2014, 219, 35-47. | 2.3 | 9 |
| 32 | The Developmental Brain Disorders Database (DBDB): A curated neurogenetics knowledge base with clinical and research applications. American Journal of Medical Genetics, Part A, 2014, 164, 1503-1511. | 1.2 | 20 |
| 33 | Transformation of the cerebellum into more ventral brainstem fates causes cerebellar agenesis in the absence of Ptf1a function. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1777-86. | 7.1 | 59 |
| 34 | Mutation of FOXC1 and PITX2 induces cerebral small-vessel disease. Journal of Clinical Investigation, 2014, 124, 4877-4881. | 8.2 | 105 |
| 35 | Foxc1 dependent mesenchymal signalling drives embryonic cerebellar growth. ELife, 2014, 3, . | 6.0 | 38 |
| 36 | Cerebellar and posterior fossa malformations in patients with autismâ€associated chromosome 22q13 terminal deletion. American Journal of Medical Genetics, Part A, 2013, 161, 131-136. | 1.2 | 65 |

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|---|---|---|---|
| 37 | Midbrain and hindbrain malformations: advances in clinical diagnosis, imaging, and genetics. Lancet Neurology, The, 2013, 12, 381-393. | 10.2 | 110 |
| 38 | WDR81 Is Necessary for Purkinje and Photoreceptor Cell Survival. Journal of Neuroscience, 2013, 33, 6834-6844. | 3.6 | 28 |
| 39 | Both Rare and De Novo Copy Number Variants Are Prevalent in Agenesis of the Corpus Callosum but Not in Cerebellar Hypoplasia or Polymicrogyria. PLoS Genetics, 2013, 9, e1003823. | 3.5 | 69 |
| 40 | A Novel Intergenic ETnII-Î² Insertion Mutation Causes Multiple Malformations in Polypodia Mice. PLoS Genetics, 2013, 9, e1003967. | 3.5 | 6 |
| 41 | Mutations in Extracellular Matrix GenesNID1andLAMC1Cause Autosomal Dominant Dandy-Walker Malformation and Occipital Cephaloceles. Human Mutation, 2013, 34, 1075-1079. | 2.5 | 38 |
| 42 | Deficits in early neural tube identity found in CHARGE syndrome. ELife, 2013, 2, e01873. | 6.0 | 4 |
| 43 | If the skull fits: magnetic resonance imaging and microcomputed tomography for combined analysis of brain and skull phenotypes in the mouse. Physiological Genomics, 2012, 44, 992-1002. | 2.3 | 18 |
| 44 | Rhombencephalosynapsis: a hindbrain malformation associated with incomplete separation of midbrain and forebrain, hydrocephalus and a broad spectrum of severity. Brain, 2012, 135, 1370-1386. | 7.6 | 131 |
| 45 | Beyond GÃ³mezâ€ŁÃ³pezâ€HernÃ¡ndez syndrome: Recurring phenotypic themes in rhombencephalosynapsis. American Journal of Medical Genetics, Part A, 2012, 158A, 2393-2406. | 1.2 | 40 |
| 46 | Consensus Paper: Pathological Role of the Cerebellum in Autism. Cerebellum, 2012, 11, 777-807. | 2.5 | 577 |
| 47 | Disorders of Cerebellar and Brainstem Development. , 2012, , 160-172. | | 1 |
| 48 | Wormless without wingless. Nature Medicine, 2011, 17, 663-665. | 30.7 | 1 |
| 49 | Zac1 plays a key role in the development of specific neuronal subsets in the mouse cerebellum. Neural Development, 2011, 6, 25. | 2.4 | 31 |
| 50 | Multiple developmental programs are altered by loss ofZic1andZic4to cause Dandy-Walker malformation cerebellar pathogenesis. Development (Cambridge), 2011, 138, 1207-1216. | 2.5 | 100 |
| 51 | Novel Approaches to Studying the Genetic Basis of Cerebellar Development. Cerebellum, 2010, 9, 272-283. | 2.5 | 20 |
| 52 | Cerebellar hypoplasia and Cohen syndrome: A confirmed association. American Journal of Medical Genetics, Part A, 2010, 152A, 2390-2393. | 1.2 | 11 |
| 53 | Phenotypic and genetic analysis of the cerebellar mutant tmgc26, a new ENUâ€induced RORâ€alpha allele. European Journal of Neuroscience, 2010, 32, 707-716. | 2.6 | 14 |
| 54 | Lmx1a regulates fates and location of cells originating from the cerebellar rhombic lip and telencephalic cortical hem. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10725-10730. | 7.1 | 132 |

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|---|---|---|---|
| 55 | Genetic Variation and Population Substructure in Outbred CD-1 Mice: Implications for Genome-Wide Association Studies. PLoS ONE, 2009, 4, e4729. | 2.5 | 123 |
| 56 | A developmental and genetic classification for midbrain-hindbrain malformations. Brain, 2009, 132, 3199-3230. | 7.6 | 262 |
| 57 | Differential Gene Expression in the Developing Lateral Geniculate Nucleus and Medial Geniculate Nucleus Reveals Novel Roles for Zic4 and Foxp2 in Visual and Auditory Pathway Development. Journal of Neuroscience, 2009, 29, 13672-13683. | 3.6 | 48 |
| 58 | Overlapping Function ofLmx1aandLmx1bin Anterior Hindbrain Roof Plate Formation and Cerebellar Growth. Journal of Neuroscience, 2009, 29, 11377-11384. | 3.6 | 62 |
| 59 | Looking at Cerebellar Malformations through Text-Mined Interactomes of Mice and Humans. PLoS Computational Biology, 2009, 5, e1000559. | 3.2 | 17 |
| 60 | Model Organisms Inform the Search for the Genes and Developmental Pathology Underlying Malformations of the Human Hindbrain. Seminars in Pediatric Neurology, 2009, 16, 155-163. | 2.0 | 9 |
| 61 | FOXC1 is required for normal cerebellar development and is a major contributor to chromosome 6p25.3 Dandy-Walker malformation. Nature Genetics, 2009, 41, 1037-1042. | 21.4 | 234 |
| 62 | Lmx1a maintains proper neurogenic, sensory, and non-sensory domains in the mammalian inner ear. Developmental Biology, 2009, 333, 14-25. | 2.0 | 81 |
| 63 | Linkage to chromosome 2q36.1 in autosomal dominant Dandy-Walker malformation with occipital cephalocele and evidence for genetic heterogeneity. Human Genetics, 2008, 123, 237-245. | 3.8 | 36 |
| 64 | Lmx1a is required for segregation of sensory epithelia and normal ear histogenesis and morphogenesis. Cell and Tissue Research, 2008, 334, 339-358. | 2.9 | 127 |
| 65 | Cerebellar development and disease. Current Opinion in Neurobiology, 2008, 18, 12-19. | 4.2 | 166 |
| 66 | Zic1 and Zic4 regulate zebrafish roof plate specification and hindbrain ventricle morphogenesis. Developmental Biology, 2008, 314, 376-392. | 2.0 | 66 |
| 67 | Proprioceptive Sensory Neuropathy in Mice with a Mutation in the Cytoplasmic Dynein Heavy Chain 1 Gene. Journal of Neuroscience, 2007, 27, 14515-14524. | 3.6 | 149 |
| 68 | In Ovo Electroporations of HH Stage 10 Chicken Embryos. Journal of Visualized Experiments, 2007, , 408. | 0.3 | 13 |
| 69 | Cilia Proteins Control Cerebellar Morphogenesis by Promoting Expansion of the Granule Progenitor Pool. Journal of Neuroscience, 2007, 27, 9780-9789. | 3.6 | 186 |
| 70 | Mapping of Deletion and Translocation Breakpoints in 1q44 Implicates the Serine/Threonine Kinase AKT3 in Postnatal Microcephaly and Agenesis of the Corpus Callosum. American Journal of Human Genetics, 2007, 81, 292-303. | 6.2 | 144 |
| 71 | Understanding Cerebellar Pattern Formation. Journal of Visualized Experiments, 2007, , 407. | 0.3 | 0 |
| 72 | A developmental classification of malformations of the brainstem. Annals of Neurology, 2007, 62, 625-639. | 5.3 | 75 |

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|---|---|---|---|
| 73 | Molecular definition of an allelic series of mutations disrupting the mouse Lmx1a (dreher) gene. Mammalian Genome, 2006, 17, 1025-1032. | 2.2 | 30 |
| 74 | Tissue-Specific Thyroid Hormone Deprivation and Excess in Monocarboxylate Transporter (Mct) 8-Deficient Mice. Endocrinology, 2006, 147, 4036-4043. | 2.8 | 286 |
| 75 | Loss of cyclin D1 impairs cerebellar development and suppresses medulloblastoma formation. Development (Cambridge), 2006, 133, 3929-3937. | 2.5 | 80 |
| 76 | The roof plate regulates cerebellar cell-type specification and proliferation. Development (Cambridge), 2006, 133, 2793-2804. | 2.5 | 180 |
| 77 | The ZIC gene family in development and disease. Clinical Genetics, 2005, 67, 290-296. | 2.0 | 125 |
| 78 | Roof plate-dependent patterning of the vertebrate dorsal central nervous system. Developmental Biology, 2005, 277, 287-295. | 2.0 | 161 |
| 79 | Control of roof plate formation by Lmx1a in the developing spinal cord. Development (Cambridge), 2004, 131, 2693-2705. | 2.5 | 82 |
| 80 | Heterozygous deletion of the linked genes ZIC1 and ZIC4 is involved in Dandy-Walker malformation. Nature Genetics, 2004, 36, 1053-1055. | 21.4 | 206 |
| 81 | Mechanisms of roof plate formation in the vertebrate CNS. Nature Reviews Neuroscience, 2004, 5, 808-812. | 10.2 | 79 |
| 82 | Control of Roof Plate Development and Signaling by Lmx1b in the Caudal Vertebrate CNS. Journal of Neuroscience, 2004, 24, 5694-5703. | 3.6 | 63 |
| 83 | Reciprocal fusion transcripts of two novel Zn-finger genes in a female with absence of the corpus callosum, ocular colobomas and a balanced translocation between chromosomes 2p24 and 9q32. European Journal of Human Genetics, 2003, 11, 527-534. | 2.8 | 36 |
| 84 | Development and malformations of the cerebellum in mice. Molecular Genetics and Metabolism, 2003, 80, 54-65. | 1.1 | 123 |
| 85 | The mouse Dreher gene Lmx1a controls formation of the roof plate in the vertebrate CNS. Nature, 2000, 403, 764-769. | 27.8 | 265 |
| 86 | Neurogenetics of the Cerebellar System. Journal of Child Neurology, 1999, 14, 574-581. | 1.4 | 61 |
| 87 | Functional Analysis of the weaver Mutant GIRK2 K+ Channel and Rescue of weaver Granule Cells. Neuron, 1996, 16, 941-952. | 8.1 | 194 |
| 88 | The Engrailed-2 homeobox gene and patterning of spinocerebellar mossy fiber afferents. Developmental Brain Research, 1996, 96, 210-218. | 1.7 | 26 |