# Valerie Wilson

List of Publications by Year
in descending order



| 42 | 3,900 | 201674 27 | 254184 43 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 53 | 53 | 53 | 3289 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Redefining the Progression of Lineage Segregations during Mammalian Embryogenesis by Clonal Analysis. Developmental Cell, 2009, 17, 365-376. | 7.0 | 372 |
| 2 | In Vitro Generation of Neuromesodermal Progenitors Reveals Distinct Roles for Wnt Signalling in the Specification of Spinal Cord and Paraxial Mesoderm Identity. PLoS Biology, 2014, 12, e1001937. | 5.6 | 311 |
| 3 | Stem cells, signals and vertebrate body axis extension. Development (Cambridge), 2009, 136, 1591-1604. | 2.5 | 259 |
| 4 | Distinct Wnt-driven primitive streak-like populations reflect in vivo lineage precursors. Development (Cambridge), 2014, 141, 1209-1221. | 2.5 | 215 |
| 5 | A Gene Regulatory Network Balances Neural and Mesoderm Specification during Vertebrate Trunk Development. Developmental Cell, 2017, 41, 243-261.e7. | 7.0 | 210 |
| 6 | Two distinct sources for a population of maturing axial progenitors. Development (Cambridge), 2007, 134, 2829-2840. | 2.5 | 195 |
| 7 | Stem cells, signals and vertebrate body axis extension. Development (Cambridge), 2009, 136, 2133-2133. | 2.5 | 191 |
| 8 | Axial progenitors with extensive potency are localised to the mouse chordoneural hinge. Development (Cambridge), 2002, 129, 4855-4866. | 2.5 | 186 |
| 9 | Cell fate and morphogenetic movement in the late mouse primitive streak. Mechanisms of Development, 1996, 55, 79-89. | 1.7 | 172 |
| 10 | Position-dependent plasticity of distinct progenitor types in the primitive streak. ELife, 2016, 5, e10042. | 6.0 | 169 |
| 11 | InÂVivo Differentiation Potential of Epiblast Stem Cells Revealed by Chimeric Embryo Formation. Cell Reports, 2012, 2, 1571-1578. | 6.4 | 161 |
| 12 | The developmental dismantling of pluripotency is reversed by ectopic Oct4 expression. Development (Cambridge), 2012, 139, 2288-2298. | 2.5 | 156 |
| 13 | Localised axial progenitor cell populations in the avian tail bud are not committed to a posterior Hox identity. Development (Cambridge), 2008, 135, 2289-2299. | 2.5 | 152 |
| 14 | Somatic activating mutations in Pik3ca cause sporadic venous malformations in mice and humans. Science Translational Medicine, 2016, 8, 332ra43. | 12.4 | 138 |
| 15 | Essential Alterations of Heparan Sulfate During the Differentiation of Embryonic Stem Cells to Sox1-Enhanced Green Fluorescent Protein-Expressing Neural Progenitor Cells. Stem Cells, 2007, 25, 1913-1923. | 3.2 | 126 |
| 16 | Axial progenitors with extensive potency are localised to the mouse chordoneural hinge. Development (Cambridge), 2002, 129, 4855-66. | 2.5 | 84 |
| 17 | Human axial progenitors generate trunk neural crest cells in vitro. ELife, 2018, 7, . | 6.0 | 81 |
| 18 | Expression of T Protein in the Primitive Streak Is Necessary and Sufficient for Posterior Mesoderm Movement and Somite Differentiation. Developmental Biology, 1997, 192, 45-58. | 2.0 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Understanding axial progenitor biology in vivo and in vitro. Development (Cambridge), 2021, 148, . | 2.5 | 57 |
| 20 | Diverse Routes toward Early Somites in the Mouse Embryo. Developmental Cell, 2021, 56, 141-153.e6. | 7.0 | 49 |
| 21 | The role of pluripotency gene regulatory network components in mediating transitions between pluripotent cell states. Current Opinion in Genetics and Development, 2013, 23, 504-511. | 3.3 | 48 |
| 22 | Transcriptionally dynamic progenitor populations organised around a stable niche drive axial patterning. Development (Cambridge), 2019, 146, . | 2.5 | 48 |
| 23 | Mapping transcription factor occupancy using minimal numbers of cells in vitro and in vivo. Genome Research, 2018, 28, 592-605. | 5.5 | 46 |
| 24 | Role of heparan sulfate-2-O-sulfotransferase in the mouse. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 319-327. | 2.4 | 37 |
| 25 | Identification of Jade1, a Gene Encoding a PHD Zinc Finger Protein, in a Gene Trap Mutagenesis Screen for Genes Involved in Anteroposterior Axis Development. Molecular and Cellular Biology, 2003, 23, 8553-8552. | 2.3 | 37 |
| 26 | Assessing the bipotency of in vitro-derived neuromesodermal progenitors. F1000Research, 2015, 4, 100. | 1.6 | 36 |
| 27 | A human iPSC line capable of differentiating into functional macrophages expressing ZsGreen: a tool for the study and in vivo tracking of therapeutic cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170219. | 4.0 | 35 |
| 28 | A Tgfbr1/Snai1-dependent developmental module at the core of vertebrate axial elongation. ELife, 2020, 9, . | 6.0 | 34 |
| 29 | BMP and FGF signaling interact to pattern mesoderm by controlling basic helix-loop-helix transcription factor activity. ELife, 2018, 7, . | 6.0 | 32 |
| 30 | Assessing the bipotency of in vitro-derived neuromesodermal progenitors. F1000Research, 2015, 4, 100. | 1.6 | 32 |
| 31 | New semidominant mutations that affect mouse development. Genesis, 2004, 40, 109-117. | 1.6 | 26 |
| 32 | TPromoter Activity in the Absence of Functional T Protein during Axis Formation and Elongation in the Mouse. Developmental Biology, 1997, 189, 161-173. | 2.0 | 23 |
| 33 | Distinct SoxB1 networks are required for naÃ¯ve and primed pluripotency. ELife, 2017, 6, . | 6.0 | 17 |
| 34 | Cdx mutant axial progenitor cells are rescued by grafting to a wild type environment. Developmental Biology, 2010, 347, 228-234. | 2.0 | 15 |
| 35 | Expression-independent gene trap vectors for random and targeted mutagenesis in embryonic stem cells. Nucleic Acids Research, 2009, 37, e129-e129. | 14.5 | 12 |
| 36 | MLH1 Differential Allelic Expression in Mutation Carriers and Controls. Annals of Human Genetics, 2010, 74, 479-488. | 0.8 | 12 |

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|---|---|---|---|
| 37 | A novel triple fusion reporter system for use in gene trap mutagenesis. Genesis, 2007, 45, 353-360. | 1.6 | 11 |
| 38 | Intrinsic factors and the embryonic environment influence the formation of extragonadal teratomas during gestation. BMC Developmental Biology, 2015, 15, 35. | 2.1 | 10 |
| 39 | Coupled differentiation and division of embryonic stem cells inferred from clonal snapshots. Physical Biology, 2020, 17, 065009. | 1.8 | 5 |
| 40 | Methods for Precisely Localized Transfer of Cells or DNA into Early Postimplantation Mouse Embryos. Journal of Visualized Experiments, 2015, , e53295. | 0.3 | 3 |
| 41 | Disruption of entire Cables2 locus leads to embryonic lethality by diminished Rps21 gene expression and enhanced p53 pathway. ELife, 2021, 10, . | 6.0 | 3 |
| 42 | A niche for axial stem cells - A cellular perspective in amniotes. Developmental Biology, 2022, 490, 13-21. | 2.0 | 2 |