Anna Philpott

List of Publications by Year
in descending order

84 papers	4,460 citations	117625 34 h-index	110387 64 g-index
87 all docs	87 docs citations	87 times ranked	4978 citing authors

#	ARTICLE	IF	CITATIONS
1	p27^{kip1} independently promotes neuronal differentiation and migration in the cerebral cortex. Genes and Development, 2006, 20, 1511-1524.	5.9	320
2	Sperm decondensation in Xenopus egg cytoplasm is mediated by nucleoplasmin. Cell, 1991, 65, 569-578.	28.9	273
3	Initiation of DNA Replication Requires the RECQL4 Protein Mutated in Rothmund-Thomson Syndrome. Cell, 2005, 121, 887-898.	28.9	263
4	Nucleoplasmin remodels sperm chromatin in Xenopus egg extracts. Cell, 1992, 69, 759-767.	28.9	231
5	p27Xic1, a Cdk Inhibitor, Promotes the Determination of Glial Cells in Xenopus Retina. Cell, 1999, 99, 499-510.	28.9	210
6	Giant Eyes in Xenopus laevis by Overexpression of XOptx2. Cell, 1999, 98, 341-352.	28.9	203
7	Cell cycle-regulated multi-site phosphorylation of Neurogenin 2 coordinates cell cycling with differentiation during neurogenesis. Development (Cambridge), 2011, 138, 4267-4277.	2.5	151
8	Non-canonical ubiquitylation: Mechanisms and consequences. International Journal of Biochemistry and Cell Biology, 2013, 45, 1833-1842.	2.8	130
9	The cdk inhibitor p27Xic1 is required for differentiation of primary neurones in<i>Xenopus</i>. Development (Cambridge), 2003, 130, 85-92.	2.5	122
10	Cell cycle regulation of proliferation versus differentiation in the central nervous system. Cell and Tissue Research, 2015, 359, 187-200.	2.9	120
11	Cell cycle and cell fate in the nervous system. Current Opinion in Neurobiology, 2001, 11, 66-73.	4.2	118
12	The IGF Pathway Regulates Head Formation by Inhibiting Wnt Signaling in Xenopus. Developmental Biology, 2002, 244, 407-417.	2.0	111
13	Cell cycle and cell fate interactions in neural development. Current Opinion in Neurobiology, 2003, 13, 26-33.	4.2	106
14	The developmental origin of brain tumours: a cellular and molecular framework. Development (Cambridge), 2018, 145, .	2.5	97
15	Defining the Identity and Dynamics of Adult Gastric Isthmus Stem Cells. Cell Stem Cell, 2019, 25, 342-356.e7.	11.1	97
16	Nuclear chaperones. Seminars in Cell and Developmental Biology, 2000, 11, 7-14.	5.0	94
17	Hyperphosphorylation of Nucleoplasmin Facilitates Xenopus Sperm Decondensation at Fertilization. Journal of Biological Chemistry, 1996, 271, 7253-7256.	3.4	84
18	Post-translational modification of Ngn2 differentially affects transcription of distinct targets to regulate the balance between progenitor maintenance and differentiation. Development (Cambridge), 2012, 139, 1718-1723.	2.5	81

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19	The phosphorylation status of Ascl1 is a key determinant of neuronal differentiation and maturation <i>in vivo</i> and <i>in vitro</i>. Development (Cambridge), 2014, 141, 2216-2224.	2.5	76
20	Phospho-regulation of ATOH1 Is Required for Plasticity of Secretory Progenitors and Tissue Regeneration. Cell Stem Cell, 2018, 23, 436-443.e7.	11.1	74
21	Ubiquitylation on Canonical and Non-canonical Sites Targets the Transcription Factor Neurogenin for Ubiquitin-mediated Proteolysis. Journal of Biological Chemistry, 2009, 284, 15458-15468.	3.4	72
22	The cell cycle and pluripotency. Biochemical Journal, 2013, 451, 135-143.	3.7	71
23	Multi-site Neurogenin3 Phosphorylation Controls Pancreatic Endocrine Differentiation. Developmental Cell, 2017, 41, 274-286.e5.	7.0	67
24	Nervous decision-making: to divide or differentiate. Trends in Genetics, 2014, 30, 254-261.	6.7	65
25	Co-ordination of cell cycle and differentiation in the developing nervous system. Biochemical Journal, 2012, 444, 375-382.	3.7	64
26	Hes6 regulates myogenic differentiation. Development (Cambridge), 2002, 129, 2195-2207.	2.5	58
27	A single cdk inhibitor, p27Xic1, functions beyond cell cycle regulation to promote muscle differentiation inXenopus. Development (Cambridge), 2003, 130, 71-83.	2.5	57
28	Tracing oncogene-driven remodelling of the intestinal stem cell niche. Nature, 2021, 594, 442-447.	27.8	56
29	Co-ordinating retinal histogenesis: early cell cycle exit enhances early cell fate determination in the Xenopus retina. Development (Cambridge), 2002, 129, 2435-46.	2.5	51
30	Regulation of neurogenin stability by ubiquitin-mediated proteolysis. Biochemical Journal, 2007, 407, 277-284.	3.7	44
31	Molecular and Cellular Characterization of CRP1, aDrosophilaChromatin Decondensation Protein. Journal of Structural Biology, 1997, 118, 9-22.	2.8	42
32	The developmental expression of cell cycle regulators in Xenopus laevis. Gene Expression Patterns, 2003, 3, 179-192.	0.8	42
33	Accelerating drug development for neuroblastoma: Summary of the Second Neuroblastoma Drug Development Strategy forum from Innovative Therapies for Children with Cancer and International Society of Paediatric Oncology Europe Neuroblastoma. European Journal of Cancer, 2020, 136, 52-68.	2.8	42
34	An oncologist×³s friend: How Xenopus contributes to cancer research. Developmental Biology, 2015, 408, 180-187.	2.0	40
35	Defining Lineage Potential and Fate Behavior of Precursors during Pancreas Development. Developmental Cell, 2018, 46, 360-375.e5.	7.0	38
36	Lineage selection and plasticity in the intestinal crypt. Current Opinion in Cell Biology, 2014, 31, 39-45.	5.4	37

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37	Universality of clone dynamics during tissue development. Nature Physics, 2018, 14, 469-474.	16.7	37
38	The Xenopus Cell Cycle: An Overview. Molecular Biotechnology, 2008, 39, 9-19.	2.4	35
39	Complex regulation controls Neurogenin3 proteolysis. Biology Open, 2012, 1, 1264-1272.	1.2	33
40	Hes6 regulates myogenic differentiation. Development (Cambridge), 2002, 129, 2195-207.	2.5	30
41	G1/S phase cyclin-dependent kinase overexpression perturbs early development and delays tissue-specific differentiation in Xenopus. Development (Cambridge), 2004, 131, 2577-2586.	2.5	29
42	Ascl1 phospho-status regulates neuronal differentiation in a <i>Xenopus</i> developmental model of neuroblastoma. DMM Disease Models and Mechanisms, 2015, 8, 429-441.	2.4	29
43	Notch targets the Cdk inhibitor Xic1 to regulate differentiation but not the cell cycle in neurons. EMBO Reports, 2006, 7, 643-648.	4.5	28
44	Non-canonical ubiquitylation of the proneural protein Ngn2 occurs in both Xenopus embryos and mammalian cells. Biochemical and Biophysical Research Communications, 2010, 400, 655-660.	2.1	27
45	Multi-site phosphorylation regulates NeuroD4 activity during primary neurogenesis: a conserved mechanism amongst proneural proteins. Neural Development, 2015, 10, 15.	2.4	26
46	Emergence of neuronal diversity from patterning of telencephalic progenitors. Wiley Interdisciplinary Reviews: Developmental Biology, 2015, 4, 197-214.	5.9	25
47	The F-box protein Cdc4/Fbxw7 is a novel regulator of neural crest development in Xenopus laevis. Neural Development, 2010, 5, 1.	2.4	18
48	Neurogenin3 phosphorylation controls reprogramming efficiency of pancreatic ductal organoids into endocrine cells. Scientific Reports, 2018, 8, 15374.	3.3	18
49	Three-dimensional model of glioblastoma by co-culturing tumor stem cells with human brain organoids. Biology Open, 2021, 10, .	1.2	18
50	ASCL1 phosphorylation and ID2 upregulation are roadblocks to glioblastoma stem cell differentiation. Scientific Reports, 2022, 12, 2341.	3.3	18
51	Phosphorylation in intrinsically disordered regions regulates the activity of Neurogenin2. BMC Biochemistry, 2014, 15, 24.	4.4	17
52	Subcellular localisation modulates ubiquitylation and degradation of Ascl1. Scientific Reports, 2018, 8, 4625.	3.3	17
53	p57Kip2 imposes the reserve stem cell state of gastric chief cells. Cell Stem Cell, 2022, 29, 826-839.e9.	11.1	17
54	Hes6 Is Required for the Neurogenic Activity of Neurogenin and NeuroD. PLoS ONE, 2011, 6, e27880.	2.5	16

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55	Hes6 is required for MyoD induction during gastrulation. Developmental Biology, 2007, 312, 61-76.	2.0	15
56	Regulation of cell fate determination by Skp1-Cullin1-F-box (SCF) E3 ubiquitin ligases. International Journal of Developmental Biology, 2011, 55, 249-260.	0.6	15
57	Elevated ASCL1 activity creates de novo regulatory elements associated with neuronal differentiation. BMC Genomics, 2022, 23, 255.	2.8	15
58	Cell cycling and differentiation do not require the retinoblastoma protein during early Xenopus development. Developmental Biology, 2007, 303, 311-324.	2.0	14
59	Cardiac differentiation in Xenopus requires the cyclin-dependent kinase inhibitor, p27Xic1. Cardiovascular Research, 2008, 79, 436-447.	3.8	14
60	Tracing the cellular basis of islet specification in mouse pancreas. Nature Communications, 2020, 11, 5037.	12.8	14
61	Dephosphorylation of the Proneural Transcription Factor ASCL1 Re-Engages a Latent Post-Mitotic Differentiation Program in Neuroblastoma. Molecular Cancer Research, 2020, 18, 1759-1766.	3.4	14
62	The E3 ubiquitin ligase skp2 regulates neural differentiation independent from the cell cycle. Neural Development, 2007, 2, 27.	2.4	13
63	The <I>Xenopus</I> Cell Cycle: An Overview. , 2005, 296, 095-112.		12
64	MyoD phosphorylation on multiple C terminal sites regulates myogenic conversion activity. Biochemical and Biophysical Research Communications, 2016, 481, 97-103.	2.1	12
65	Ubiquitination of Cyclin-Dependent Kinase Inhibitor, Xic1, is Mediated by the <i>Xenopus</i> F-box Protein xSkp2. Cell Cycle, 2006, 5, 304-314.	2.6	11
66	Xenopus Models of Cancer: Expanding the Oncologistâ€™s Toolbox. Frontiers in Physiology, 2018, 9, 1660.	2.8	11
67	Cell cycle-dependent phosphorylation and regulation of cellular differentiation. Biochemical Society Transactions, 2018, 46, 1083-1091.	3.4	9
68	Complex domain interactions regulate stability and activity of closely related proneural transcription factors. Biochemical and Biophysical Research Communications, 2014, 450, 1283-1290.	2.1	8
69	Ubiquitin-mediated proteolysis in Xenopus extract. International Journal of Developmental Biology, 2016, 60, 263-270.	0.6	8
70	Multi-site phospho-regulation of proneural transcription factors controls proliferation versus differentiation in development and reprogramming. Neurogenesis (Austin, Tex), 2015, 2, e1049733.	1.5	6
71	The N terminus of Ascl1 underlies differing proneural activity of mouse and Xenopus Ascl1 proteins. Wellcome Open Research, 2018, 3, 125.	1.8	4
72	Multi-site phosphorylation controls the neurogenic and myogenic activity of E47. Biochemical and Biophysical Research Communications, 2019, 511, 111-116.	2.1	3

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73	Normal levels of p27Xic1are necessary for somite segmentation and determining pronephric organ size. Organogenesis, 2009, 5, 201-210.	1.2	2
74	Neuroblastoma progress on many fronts: The neuroblastoma research symposium. Pediatric Blood and Cancer, 2012, 58, 649-651.	1.5	2
75	N-terminal phosphorylation of xHes1 controls inhibition of primary neurogenesis in Xenopus. Biochemical and Biophysical Research Communications, 2019, 509, 557-563.	2.1	2
76	Calculating the Degradation Rate of Individual Proteins Using Xenopus Extract Systems. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot103481.	0.3	2
77	Ascl1 phospho-status regulates neuronal differentiation in a Xenopus developmental model of neuroblastoma. Development (Cambridge), 2015, 142, e0906-e0906.	2.5	2
78	Analysis of Phosphorylation Status of Ectopically Expressed Proteins in Early Xenopus Embryos. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot105569.	0.3	1
79	Analysis of Chromatin Binding of Ectopically Expressed Proteins in Early <i>Xenopus</i> Embryos. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot105577.	0.3	1
80	Assessing Ubiquitylation of Individual Proteins Using <i>Xenopus</i> Extract Systems. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot104513.	0.3	1
81	Interaction between opposing modes of phospho-regulation of the proneural proteins Ascl1 and Ngn2. Wellcome Open Research, 2018, 3, 129.	1.8	1
82	Division versus differentiation in the early Xenopus embryo. SEB Experimental Biology Series, 2008, 59, 145-65.	0.1	1
83	The Use of Xenopus for Cell Biology Applications. Cold Spring Harbor Protocols, 2021, 2021, pdb.top105528.	0.3	0
84	xNgn2 induces expression of predominantly sensory neuron markers in Xenopus whole embryo ectoderm but induces mixed subtype expression in isolated ectoderm explants. Wellcome Open Research, 0, 3, 144.	1.8	0