

Andrea E Munsterberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4586946/publications.pdf>

Version: 2024-02-01

83
papers

6,805
citations

117625

34
h-index

71685

76
g-index

94
all docs

94
docs citations

94
times ranked

6780
citing authors

#	ARTICLE	IF	CITATIONS
1	Somite development and regionalisation of the vertebral axial skeleton. <i>Seminars in Cell and Developmental Biology</i> , 2022, 127, 10-16.	5.0	5
2	Investigating chromatin accessibility during development and differentiation by ATAC-sequencing to guide the identification of cis-regulatory elements. <i>Biochemical Society Transactions</i> , 2022, 50, 1167-1177.	3.4	3
3	Fine-tuning of the PAX-SIX-EYA-DACH network by multiple microRNAs controls embryo myogenesis. <i>Developmental Biology</i> , 2021, 469, 68-79.	2.0	3
4	Characterising open chromatin in chick embryos identifies cis-regulatory elements important for paraxial mesoderm formation and axis extension. <i>Nature Communications</i> , 2021, 12, 1157.	12.8	8
5	Expression analysis of chick Frizzled receptors during spinal cord development. <i>Gene Expression Patterns</i> , 2021, 39, 119167.	0.8	1
6	4D Live Imaging and Analysis of Chick Embryo Somites. <i>Methods in Molecular Biology</i> , 2021, 2179, 173-181.	0.9	0
7	The Chicken as a Model Organism to Study Heart Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a037218.	5.5	14
8	The Pax6 master control gene initiates spontaneous retinal development via a self-organising Turing network. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	6
9	FZD10 regulates cell proliferation and mediates Wnt1 induced neurogenesis in the developing spinal cord. <i>PLoS ONE</i> , 2020, 15, e0219721.	2.5	11
10	Cardiac injections of AntagomiRs as a novel tool for knockdown of miRNAs during heart development. <i>Developmental Biology</i> , 2019, 445, 163-169.	2.0	2
11	Atg7-Mediated Autophagy Is Involved in the Neural Crest Cell Generation in Chick Embryo. <i>Molecular Neurobiology</i> , 2018, 55, 3523-3536.	4.0	10
12	microRNAs associated with early neural crest development in <i>Xenopus laevis</i> . <i>BMC Genomics</i> , 2018, 19, 59.	2.8	22
13	miR-133 mediated regulation of the hedgehog pathway orchestrates embryo myogenesis. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	28
14	4D imaging reveals stage dependent random and directed cell motion during somite morphogenesis. <i>Scientific Reports</i> , 2018, 8, 12644.	3.3	9
15	Detailed expression profile of all six Glypicans and their modifying enzyme Notum during chick embryogenesis and their role in dorsal-ventral patterning of the neural tube. <i>Gene</i> , 2017, 609, 38-51.	2.2	6
16	Sulforaphane exerts anti-angiogenesis effects against hepatocellular carcinoma through inhibition of STAT3/HIF-1 α /VEGF signalling. <i>Scientific Reports</i> , 2017, 7, 12651.	3.3	81
17	Robo signaling regulates the production of cranial neural crest cells. <i>Experimental Cell Research</i> , 2017, 361, 73-84.	2.6	11
18	4D visualisation and analysis of somite morphogenesis in live embryos using multi-photon microscopy. <i>Mechanisms of Development</i> , 2017, 145, S71.	1.7	0

#	ARTICLE	IF	CITATIONS
19	microRNAs in skeletal muscle development. <i>Seminars in Cell and Developmental Biology</i> , 2017, 72, 67-76.	5.0	78
20	Editorial: Signaling Pathways in Embryonic Development. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 76.	3.7	42
21	The Early Stages of Heart Development: Insights from Chicken Embryos. <i>Journal of Cardiovascular Development and Disease</i> , 2016, 3, 12.	1.6	43
22	WNT and BMP regulate roadblocks toward cardiomyocyte differentiation: lessons learned from embryos inform human stem cell differentiation. <i>Stem Cell Investigation</i> , 2016, 3, 33-33.	3.0	0
23	Atlas Toolkit: Fast registration of 3D morphological datasets in the absence of landmarks. <i>Scientific Reports</i> , 2016, 6, 20732.	3.3	7
24	MicroRNA-10 modulates Hox genes expression during Nile tilapia embryonic development. <i>Mechanisms of Development</i> , 2016, 140, 12-18.	1.7	20
25	Proper autophagy is indispensable for angiogenesis during chick embryo development. <i>Cell Cycle</i> , 2016, 15, 1742-1754.	2.6	19
26	The positive transcriptional elongation factor (P-TEFb) is required for neural crest specification. <i>Developmental Biology</i> , 2016, 416, 361-372.	2.0	12
27	Sprouty2 mediated tuning of signalling is essential for somite myogenesis. <i>BMC Medical Genomics</i> , 2015, 8, S8.	1.5	2
28	A Database of microRNA Expression Patterns in <i>Xenopus laevis</i> . <i>PLoS ONE</i> , 2015, 10, e0138313.	2.5	21
29	Third Report on Chicken Genes and Chromosomes 2015. <i>Cytogenetic and Genome Research</i> , 2015, 145, 78-179.	1.1	97
30	Misexpression of <i>BRE1</i> gene in the developing chick neural tube affects neurulation and somitogenesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 978-992.	2.1	12
31	Klh131 attenuates β -catenin dependent Wnt signaling and regulates embryo myogenesis. <i>Developmental Biology</i> , 2015, 402, 61-71.	2.0	17
32	myomiR-dependent switching of BAF60 variant incorporation into Brg1 chromatin remodeling complexes during embryo myogenesis. <i>Development (Cambridge)</i> , 2014, 141, 3378-3387.	2.5	58
33	Canonical Wnt signals combined with suppressed TGF β /BMP pathways promote renewal of the native human colonic epithelium. <i>Gut</i> , 2014, 63, 610-621.	12.1	75
34	Combinational electroporation and transplantation approach to studying gene functions in avian embryos. <i>Science Bulletin</i> , 2014, 59, 616-624.	1.7	0
35	Endoderm contributes to endocardial composition during cardiogenesis. <i>Science Bulletin</i> , 2014, 59, 2749-2755.	1.7	2
36	Smad1 transcription factor integrates BMP2 and Wnt3a signals in migrating cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7337-7342.	7.1	40

#	ARTICLE	IF	CITATIONS
37	FGF negative regulation during early myogenesis. BMC Genomics, 2014, 15, .	2.8	0
38	Fgf negative regulators control early chick somite myogenesis. BMC Genomics, 2014, 15, .	2.8	0
39	Retention of Stem Cell Plasticity in Avian Primitive Streak Cells and the Effects of Local Microenvironment. Anatomical Record, 2013, 296, 533-543.	1.4	6
40	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. Journal of Cell Science, 2012, 125, 3590-3600.	2.0	117
41	microRNAs in skeletal muscle differentiation and disease. Clinical Science, 2012, 123, 611-625.	4.3	75
42	The expression and function of microRNAs in chondrogenesis and osteoarthritis. Arthritis and Rheumatism, 2012, 64, 1909-1919.	6.7	204
43	Identification and characterisation of micrnas involved in chondrocyte differentiation and osteoarthritis. Osteoarthritis and Cartilage, 2012, 20, S42.	1.3	2
44	Regulation of multiple target genes by miR-1 and miR-206 is pivotal for C2C12 myoblast differentiation. Development (Cambridge), 2012, 139, e1-e1.	2.5	1
45	Fate Mapping Identifies the Origin of SHF/AHF Progenitors in the Chick Primitive Streak. PLoS ONE, 2012, 7, e51948.	2.5	25
46	Ingression, migration and early differentiation of cardiac progenitors. Frontiers in Bioscience - Landmark, 2011, 16, 2416.	3.0	6
47	MicroRNA regulation of the paired-box transcription factor Pax3 confers robustness to developmental timing of myogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11936-11941.	7.1	110
48	Time-Lapse Imaging of Chick Cardiac Precursor Cells. Methods in Molecular Biology, 2011, 769, 359-372.	0.9	5
49	066 IDENTIFICATION AND CHARACTERISATION OF MICRORNAS INVOLVED IN CHONDROCYTE DIFFERENTIATION AND OSTEOARTHRITIS. Osteoarthritis and Cartilage, 2010, 18, S37.	1.3	0
50	Wnt/Lef1 signaling acts via Pitx2 to regulate somite myogenesis. Developmental Biology, 2010, 337, 211-219.	2.0	67
51	High throughput sequencing of microRNAs in chicken somites. FEBS Letters, 2009, 583, 1422-1426.	2.8	62
52	13-P061 Wnt signalling via Pitx2 regulates somite and limb myogenesis. Mechanisms of Development, 2009, 126, S213.	1.7	2
53	13-P092 Khl31 is regulated by myogenic signals in developing somites and modulates Wnt signaling in vitro and in vivo. Mechanisms of Development, 2009, 126, S222.	1.7	0
54	Khl31 is associated with skeletal myogenesis and its expression is regulated by myogenic signals and Myf-5. Mechanisms of Development, 2009, 126, 852-862.	1.7	17

#	ARTICLE	IF	CITATIONS
55	The migration of paraxial and lateral plate mesoderm cells emerging from the late primitive streak is controlled by different Wnt signals. <i>BMC Developmental Biology</i> , 2008, 8, 63.	2.1	64
56	Multicellular rosette formation during cell ingression in the avian primitive streak. <i>Developmental Dynamics</i> , 2008, 237, 91-96.	1.8	25
57	Expression of avian <i>prickle</i> genes during early development and organogenesis. <i>Developmental Dynamics</i> , 2008, 237, 1442-1448.	1.8	15
58	Specific requirements of MRFs for the expression of muscle specific microRNAs, miR-1, miR-206 and miR-133. <i>Developmental Biology</i> , 2008, 321, 491-499.	2.0	239
59	Wnt3a-mediated chemorepulsion controls movement patterns of cardiac progenitors and requires RhoA function. <i>Development (Cambridge)</i> , 2008, 135, 1029-1037.	2.5	74
60	Cardiac progenitor migration and specification. <i>Cell Adhesion and Migration</i> , 2008, 2, 74-76.	2.7	9
61	The vertebrate spalt genes in development and disease. <i>Developmental Biology</i> , 2006, 293, 285-293.	2.0	105
62	FGF signaling is involved in miR-206 expression in developing somites of chicken embryos. <i>Developmental Dynamics</i> , 2006, 235, 2185-2191.	1.8	82
63	The chicken <i>talpid3</i> gene encodes a novel protein essential for Hedgehog signaling. <i>Genes and Development</i> , 2006, 20, 1365-1377.	5.9	112
64	Feedback interactions between MKP3 and ERK MAP kinase control <i>scleraxis</i> expression and the specification of rib progenitors in the developing chick somite. <i>Development (Cambridge)</i> , 2005, 132, 1305-1314.	2.5	97
65	Expression of <i>csal1</i> in pre limb-bud chick embryos. <i>International Journal of Developmental Biology</i> , 2005, 49, 427-430.	0.6	11
66	Dynamic expression of Lef/Tcf family members and β -catenin during chick gastrulation, neurulation, and early limb development. <i>Developmental Dynamics</i> , 2004, 229, 703-707.	1.8	33
67	Negative Feedback Regulation of FGF Signaling Levels by Pyst1/MKP3 in Chick Embryos. <i>Current Biology</i> , 2003, 13, 1009-1018.	3.9	162
68	The Conserved Glutamine-rich Region of Chick Csal1 and Csal3 Mediates Protein Interactions with Other Spalt Family Members. <i>Journal of Biological Chemistry</i> , 2003, 278, 6560-6566.	3.4	52
69	Pax1 and Pax9 activate Bapx1 to induce chondrogenic differentiation in the sclerotome. <i>Development (Cambridge)</i> , 2003, 130, 473-482.	2.5	128
70	Wnt6 marks sites of epithelial transformations in the chick embryo. <i>Mechanisms of Development</i> , 2002, 114, 143-148.	1.7	86
71	Cell Movement Patterns during Gastrulation in the Chick Are Controlled by Positive and Negative Chemotaxis Mediated by FGF4 and FGF8. <i>Developmental Cell</i> , 2002, 3, 425-437.	7.0	305
72	Fin development in a cartilaginous fish and the origin of vertebrate limbs. <i>Nature</i> , 2002, 416, 527-531.	27.8	113

#	ARTICLE	IF	CITATIONS
73	Cloning and expression of CSAL2 , a new member of the spalt gene family in chick. Mechanisms of Development, 2001, 102, 227-230.	1.7	21
74	Vertebrate limb development – the early stages in chick and mouse. Current Opinion in Genetics and Development, 2001, 11, 476-481.	3.3	83
75	In vivo analysis of the regulation of the anti-Müllerian hormone, as a marker of Sertoli cell differentiation during testicular development, reveals a multi-step process. Molecular Reproduction and Development, 2001, 59, 256-264.	2.0	26
76	csal1 Is Controlled by a Combination of FGF and Wnt Signals in Developing Limb Buds. Developmental Biology, 2000, 225, 447-458.	2.0	49
77	Ectopic Pax-3 Activates MyoD and Myf-5 Expression in Embryonic Mesoderm and Neural Tissue. Cell, 1997, 89, 139-148.	28.9	405
78	The role of positive and negative signals in somite patterning. Current Opinion in Neurobiology, 1996, 6, 57-63.	4.2	62
79	Combinatorial signaling by Sonic hedgehog and Wnt family members induces myogenic bHLH gene expression in the somite.. Genes and Development, 1995, 9, 2911-2922.	5.9	463
80	Wiring diagrams: regulatory circuits and the control of skeletal myogenesis. Current Opinion in Cell Biology, 1994, 6, 432-442.	5.4	146
81	A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes. Nature, 1990, 346, 245-250.	27.8	1,552
82	Expression of a candidate sex-determining gene during mouse testis differentiation. Nature, 1990, 348, 450-452.	27.8	801
83	Cooperative Action of the Glucocorticoid Receptor and Transcription Factors. Cold Spring Harbor Symposia on Quantitative Biology, 1988, 53, 835-841.	1.1	12