

Abraham Fainsod

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,489
citations

218677

26
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	The dorsalizing and neural inducing gene follistatin is an antagonist of BMP-4. <i>Mechanisms of Development</i> , 1997, 63, 39-50.	1.7	344
2	Scaling of the BMP activation gradient in <i>Xenopus</i> embryos. <i>Nature</i> , 2008, 453, 1205-1211.	27.8	220
3	Cloning, characterization, and expression in <i>Escherichia coli</i> of the gene coding for the CpG DNA methylase from <i>Spiroplasma</i> sp. strain MQ1 (M Sssl). <i>Nucleic Acids Research</i> , 1990, 18, 1145-1152.	14.5	215
4	Isolation and characterization of target sequences of the chicken <i>CdxA</i> homeobox gene. <i>Nucleic Acids Research</i> , 1993, 21, 4915-4922.	14.5	119
5	Ethanol exposure affects gene expression in the embryonic organizer and reduces retinoic acid levels. <i>Developmental Biology</i> , 2005, 279, 193-204.	2.0	109
6	Sequence analysis of the murine <i>Hox-2.2</i> , $\hat{\sim}$ 2.3, and $\hat{\sim}$ 2.4 homeo boxes: Evolutionary and structural comparisons. <i>Genomics</i> , 1987, 1, 182-195.	2.9	101
7	The chicken caudal genes establish an anterior-posterior gradient by partially overlapping temporal and spatial patterns of expression. <i>Mechanisms of Development</i> , 1997, 64, 41-52.	1.7	89
8	Ethanol induces embryonic malformations by competing for retinaldehyde dehydrogenase activity during vertebrate gastrulation. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 295-305.	2.4	74
9	Early molecular effects of ethanol during vertebrate embryogenesis. <i>Differentiation</i> , 2007, 75, 393-403.	1.9	66
10	<i>Oct-3/4</i> regulates stem cell identity and cell fate decisions by modulating <i>Wnt/Î²-catenin</i> signalling. <i>EMBO Journal</i> , 2010, 29, 3236-3248.	7.8	65
11	Expression of the novel murine homeobox gene <i>Sax-1</i> in the developing nervous system. <i>Mechanisms of Development</i> , 1995, 51, 99-114.	1.7	62
12	Methylation of <i>HoxA5</i> and <i>HoxB5</i> and its relevance to expression during mouse development. <i>Gene</i> , 2003, 302, 65-72.	2.2	62
13	Chapter 11 Homeo Box Genes in Murine Development. <i>Current Topics in Developmental Biology</i> , 1987, 23, 233-256.	2.2	54
14	Acetaldehyde inhibits retinoic acid biosynthesis to mediate alcohol teratogenicity. <i>Scientific Reports</i> , 2018, 8, 347.	3.3	51
15	Overexpression of the Homeobox Gene <i>Xnot-2</i> Leads to Notochord Formation in <i>Xenopus</i> . <i>Developmental Biology</i> , 1996, 174, 174-178.	2.0	50
16	Patterning of the mesoderm involves several threshold responses to BMP-4 and <i>Xwnt-8</i> . <i>Mechanisms of Development</i> , 1999, 87, 33-44.	1.7	47
17	Nested expression and sequential downregulation of the <i>Xenopus</i> caudal genes along the anterior-posterior axis. <i>Mechanisms of Development</i> , 1998, 71, 193-196.	1.7	42
18	Expression of the murine homeo box gene <i>Hox 1.5</i> during embryogenesis. <i>Developmental Biology</i> , 1987, 124, 125-133.	2.0	39

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19	Gbx2 interacts with Otx2 and patterns the anterior–posterior axis during gastrulation in <i>Xenopus</i> . <i>Mechanisms of Development</i> , 2002, 112, 141-151.	1.7	38
20	Insights into retinoic acid deficiency and the induction of craniofacial malformations and microcephaly in fetal alcohol spectrum disorder. <i>Genesis</i> , 2019, 57, e23278.	1.6	37
21	A chicken homeo box gene with developmentally regulated expression. <i>FEBS Letters</i> , 1989, 250, 381-385.	2.8	36
22	Molecular and Functional Characterizations of Gastrula Organizer Cells Derived from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2011, 29, 600-608.	3.2	32
23	Molecular analysis of the <i>Drosophila</i> nuclear lamin gene. <i>Genomics</i> , 1990, 8, 217-224.	2.9	31
24	The Xcad-2 gene can provide a ventral signal independent of BMP-4. <i>Mechanisms of Development</i> , 1998, 74, 133-143.	1.7	31
25	Temporal analysis of the early BMP functions identifies distinct anti-organizer and mesoderm patterning phases. <i>Developmental Biology</i> , 2005, 282, 442-454.	2.0	31
26	<i>Xenopus</i> embryos to study fetal alcohol syndrome, a model for environmental teratogenesis. <i>Biochemistry and Cell Biology</i> , 2018, 96, 77-87.	2.0	30
27	Competition between ethanol clearance and retinoic acid biosynthesis in the induction of fetal alcohol syndrome. <i>Biochemistry and Cell Biology</i> , 2018, 96, 148-160.	2.0	29
28	CHox E, a chicken homeogene of the H2.0 type exhibits dorso-ventral restriction in the proliferating region of the spinal cord. <i>Mechanisms of Development</i> , 1991, 35, 13-24.	1.7	27
29	The chicken homeo box genes CHox1 and CHox3: cloning, sequencing and expression during embryogenesis. <i>Gene</i> , 1989, 76, 61-74.	2.2	26
30	Scaling of dorsal–ventral patterning in the <i>Xenopus laevis</i> embryo. <i>BioEssays</i> , 2014, 36, 151-156.	2.5	24
31	A role for the homeobox gene Xvex-1 as part of the BMP-4 ventral signaling pathway. <i>Mechanisms of Development</i> , 1999, 86, 99-111.	1.7	21
32	Kinetic characterization and regulation of the human retinaldehyde dehydrogenase 2 enzyme during production of retinoic acid. <i>Biochemical Journal</i> , 2016, 473, 1423-1431.	3.7	21
33	A novel role of the organizer gene Goosecoid as an inhibitor of Wnt/PCP-mediated convergent extension in <i>Xenopus</i> and mouse. <i>Scientific Reports</i> , 2017, 7, 43010.	3.3	20
34	The Xvex-1 antimorph reveals the temporal competence for organizer formation and an early role for ventral homeobox genes. <i>Mechanisms of Development</i> , 2000, 90, 77-87.	1.7	19
35	The two <i>Xenopus</i> Gbx2 genes exhibit similar, but not identical expression patterns and can affect head formation. <i>FEBS Letters</i> , 2001, 507, 205-209.	2.8	17
36	The Competence of Marginal Zone Cells to Become Spemann's Organizer Is Controlled by Xcad2. <i>Developmental Biology</i> , 2002, 248, 40-51.	2.0	17

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37	Otx2 can activate the isthmic organizer genetic network in the <i>Xenopus</i> embryo. <i>Mechanisms of Development</i> , 2002, 110, 3-13.	1.7	17
38	Phosphorylation-mediated stabilization of Bora in mitosis coordinates Plx1/Plk1 and Cdk1 oscillations. <i>Cell Cycle</i> , 2014, 13, 1727-1736.	2.6	14
39	<i>Xenopus</i> Pkdcc1 and Pkdcc2 Are Two New Tyrosine Kinases Involved in the Regulation of JNK Dependent Wnt/PCP Signaling Pathway. <i>PLoS ONE</i> , 2015, 10, e0135504.	2.5	14
40	Retinoic acid signaling reduction recapitulates the effects of alcohol on embryo size. <i>Genesis</i> , 2019, 57, e23284.	1.6	13
41	Fetal Alcohol Spectrum Disorder: Embryogenesis Under Reduced Retinoic Acid Signaling Conditions. <i>Sub-Cellular Biochemistry</i> , 2020, 95, 197-225.	2.4	13
42	Polypurine/polypyrimidine sequence elements of the murine homeo box loci, Hox-1, -2 and -3. <i>Nucleic Acids Research</i> , 1987, 15, 5495-5495.	14.5	10
43	Genomic organization and expression during embryogenesis of the chicken CR1 repeat. <i>Genomics</i> , 1991, 10, 931-939.	2.9	10
44	Non-immunological precipitation of protein-DNA complexes using glutathione-S-transferase fusion proteins. <i>Nucleic Acids Research</i> , 1991, 19, 4005-4005.	14.5	10
45	Roles of the cilium-associated gene CCDC11 in left-right patterning and in laterality disorders in humans. <i>International Journal of Developmental Biology</i> , 2017, 61, 267-276.	0.6	10
46	Natural size variation among embryos leads to the corresponding scaling in gene expression. <i>Developmental Biology</i> , 2020, 462, 165-179.	2.0	10
47	Analysis of a Chinese hamster temperature-sensitive cell cycle mutant arrested in early S phase. <i>Experimental Cell Research</i> , 1984, 152, 77-90.	2.6	9
48	Negative autoregulation of Oct3/4 through Cdx1 promotes the onset of gastrulation. <i>Developmental Dynamics</i> , 2011, 240, 796-807.	1.8	9
49	Cdx1 is essential for the initiation of <i>HoxC8</i> expression during early embryogenesis. <i>FASEB Journal</i> , 2012, 26, 2674-2684.	0.5	9
50	ADHFe1: a novel enzyme involved in retinoic acid-dependent Hox activation. <i>International Journal of Developmental Biology</i> , 2017, 61, 303-310.	0.6	9
51	ADMP controls the size of Spemann's organizer through a network of self-regulating expansion-restriction signals. <i>BMC Biology</i> , 2018, 16, 13.	3.8	9
52	Reduced Retinoic Acid Signaling During Gastrulation Induces Developmental Microcephaly. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 844619.	3.7	8
53	Retinoic Acid Fluctuation Activates an Uneven, Direction-Dependent Network-Wide Robustness Response in Early Embryogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 747969.	3.7	7
54	Expression of the ALK1 family of type I BMP/ADMP receptors during gastrula stages in <i>Xenopus</i> embryos. <i>International Journal of Developmental Biology</i> , 2017, 61, 465-470.	0.6	6

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55	Retinoic Acid is Required for Normal Morphogenetic Movements During Gastrulation. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 857230.	3.7	3
56	Enhanced Loss of Retinoic Acid Network Genes in <i>Xenopus laevis</i> Achieves a Tighter Signal Regulation. <i>Cells</i> , 2022, 11, 327.	4.1	1
57	Reply to Francois et al.. <i>Nature</i> , 2009, 461, E2-E2.	27.8	0
58	Special issue on fetal alcohol spectrum disorder. <i>Biochemistry and Cell Biology</i> , 2018, 96, v-vi.	2.0	0