Abraham Fainsod

List of Publications by Year
in descending order

58	2,489	26	49
papers	citations	h-index	g-index
		218381	197535

60	60	60	2073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The dorsalizing and neural inducing gene follistatin is an antagonist of BMP-4. Mechanisms of Development, 1997, 63, 39-50.	1.7	344
2	Scaling of the BMP activation gradient in Xenopus embryos. Nature, 2008, 453, 1205-1211.	13.7	220
3	Cloning, characterization, and expression inEscherichia coliof the gene coding for the CpG DNA methylase fromSpiroplasma sp.strain MQ1(M Sssl). Nucleic Acids Research, 1990, 18, 1145-1152.	6.5	215
4	Isolation and characterization of target sequences of the chickenCdxAhomeobox gene. Nucleic Acids Research, 1993, 21, 4915-4922.	6.5	119
5	Ethanol exposure affects gene expression in the embryonic organizer and reduces retinoic acid levels. Developmental Biology, 2005, 279, 193-204.	0.9	109
6	Sequence analysis of the murine Hox-2.2, â^'2.3, and â^'2.4 homeo boxes: Evolutionary and structural comparisons. Genomics, 1987, 1, 182-195.	1.3	101
7	The chicken caudal genes establish an anterior-posterior gradient by partially overlapping temporal and spatial patterns of expression. Mechanisms of Development, 1997, 64, 41-52.	1.7	89
8	Ethanol induces embryonic malformations by competing for retinaldehyde dehydrogenase activity during vertebrate gastrulation. DMM Disease Models and Mechanisms, 2009, 2, 295-305.	1.2	74
9	Early molecular effects of ethanol during vertebrate embryogenesis. Differentiation, 2007, 75, 393-403.	1.0	66
10	Oct-3/4 regulates stem cell identity and cell fate decisions by modulating Wnt/Î²-catenin signalling. EMBO Journal, 2010, 29, 3236-3248.	3.5	65
11	Expression of the novel murine homeobox gene Sax-1 in the developing nervous system. Mechanisms of Development, 1995, 51, 99-114.	1.7	62
12	Methylation of HoxA5 and HoxB5 and its relevance to expression during mouse development. Gene, 2003, 302, 65-72.	1.0	62
13	Chapter 11 Homeo Box Genes in Murine Development. Current Topics in Developmental Biology, 1987, 23, 233-256.	1.0	54
14	Acetaldehyde inhibits retinoic acid biosynthesis to mediate alcohol teratogenicity. Scientific Reports, 2018, 8, 347.	1.6	51
15	Overexpression of the Homeobox GeneXnot-2Leads to Notochord Formation inXenopus. Developmental Biology, 1996, 174, 174-178.	0.9	50
16	Patterning of the mesoderm involves several threshold responses to BMP-4 and Xwnt-8. Mechanisms of Development, 1999, 87, 33-44.	1.7	47
17	Nested expression and sequential downregulation of the Xenopus caudal genes along the anterior-posterior axis. Mechanisms of Development, 1998, 71, 193-196.	1.7	42
18	Expression of the murine homeo box gene Hox 1.5 during embryogenesis. Developmental Biology, 1987, 124, 125-133.	0.9	39

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19	Gbx2 interacts with Otx2 and patterns the anteriorâ€“posterior axis during gastrulation in Xenopus. Mechanisms of Development, 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. Genesis, 2019, 57, e23278.	0.8	37
21	A chicken homeo box gene with developmentally regulated expression. FEBS Letters, 1989, 250, 381-385.	1.3	36
22	Molecular and Functional Characterizations of Gastrula Organizer Cells Derived from Human Embryonic Stem Cells. Stem Cells, 2011, 29, 600-608.	1.4	32
23	Molecular analysis of the Drosophila nuclear lamin gene. Genomics, 1990, 8, 217-224.	1.3	31
24	The Xcad-2 gene can provide a ventral signal independent of BMP-4. Mechanisms of Development, 1998, 74, 133-143.	1.7	31
25	Temporal analysis of the early BMP functions identifies distinct anti-organizer and mesoderm patterning phases. Developmental Biology, 2005, 282, 442-454.	0.9	31
26	<i>Xenopus</i>embryos to study fetal alcohol syndrome, a model for environmental teratogenesis. Biochemistry and Cell Biology, 2018, 96, 77-87.	0.9	30
27	Competition between ethanol clearance and retinoic acid biosynthesis in the induction of fetal alcohol syndrome. Biochemistry and Cell Biology, 2018, 96, 148-160.	0.9	29
28	CHox E, a chicken homeogene of the H2.0 type exhibits dorso-ventral restriction in the proliferating region of the spinal cord. Mechanisms of Development, 1991, 35, 13-24.	1.7	27
29	The chicken homeo box genes CHox1 and CHox3: cloning, sequencing and expression during embryogenesis. Gene, 1989, 76, 61-74.	1.0	26
30	Scaling of dorsalâ€ventral patterning in the <i>Xenopus laevis</i> embryo. BioEssays, 2014, 36, 151-156.	1.2	24
31	A role for the homeobox gene Xvex-1 as part of the BMP-4 ventral signaling pathway. Mechanisms of Development, 1999, 86, 99-111.	1.7	21
32	Kinetic characterization and regulation of the human retinaldehyde dehydrogenase 2 enzyme during production of retinoic acid. Biochemical Journal, 2016, 473, 1423-1431.	1.7	21
33	A novel role of the organizer gene Goosecoid as an inhibitor of Wnt/PCP-mediated convergent extension in Xenopus and mouse. Scientific Reports, 2017, 7, 43010.	1.6	20
34	The Xvex-1 antimorph reveals the temporal competence for organizer formation and an early role for ventral homeobox genes. Mechanisms of Development, 2000, 90, 77-87.	1.7	19
35	The twoXenopus Gbx2genes exhibit similar, but not identical expression patterns and can affect head formation. FEBS Letters, 2001, 507, 205-209.	1.3	17
36	The Competence of Marginal Zone Cells to Become Spemann's Organizer Is Controlled by Xcad2. Developmental Biology, 2002, 248, 40-51.	0.9	17

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37	Otx2 can activate the isthmic organizer genetic network in the Xenopus embryo. Mechanisms of Development, 2002, 110, 3-13.	1.7	17
38	Phosphorylation-mediated stabilization of Bora in mitosis coordinates Plx1/Plk1 and Cdk1 oscillations. Cell Cycle, 2014, 13, 1727-1736.	1.3	14
39	Xenopus Pkdcc1 and Pkdcc2 Are Two New Tyrosine Kinases Involved in the Regulation of JNK Dependent Wnt/PCP Signaling Pathway. PLoS ONE, 2015, 10, e0135504.	1.1	14
40	Retinoic acid signaling reduction recapitulates the effects of alcohol on embryo size. Genesis, 2019, 57, e23284.	0.8	13
41	Fetal Alcohol Spectrum Disorder: Embryogenesis Under Reduced Retinoic Acid Signaling Conditions. Sub-Cellular Biochemistry, 2020, 95, 197-225.	1.0	13
42	Polypurine/polypyrimidine sequence elements of the murine homeo box loci,Hox-1, -2and-3. Nucleic Acids Research, 1987, 15, 5495-5495.	6.5	10
43	Genomic organization and expression during embryogenesis of the chicken CR1 repeat. Genomics, 1991, 10, 931-939.	1.3	10
44	Non-immunological precipitation of protein-DNA complexes using glutathione-S-transferase fusion proteins. Nucleic Acids Research, 1991, 19, 4005-4005.	6.5	10
45	Roles of the cilium-associated gene CCDC11 in leftâ€“right patterning and in laterality disorders in humans. International Journal of Developmental Biology, 2017, 61, 267-276.	0.3	10
46	Natural size variation among embryos leads to the corresponding scaling in gene expression. Developmental Biology, 2020, 462, 165-179.	0.9	10
47	Analysis of a Chinese hamster temperature-sensitive cell cycle mutant arrested in early S phase. Experimental Cell Research, 1984, 152, 77-90.	1.2	9
48	Negative autoregulation of Oct3/4 through Cdx1 promotes the onset of gastrulation. Developmental Dynamics, 2011, 240, 796-807.	0.8	9
49	Cdx1 is essential for the initiation of<i>HoxC8</i>expression during early embryogenesis. FASEB Journal, 2012, 26, 2674-2684.	0.2	9
50	ADHFe1: a novel enzyme involved in retinoic acid-dependent Hox activation. International Journal of Developmental Biology, 2017, 61, 303-310.	0.3	9
51	ADMP controls the size of Spemann's organizer through a network of self-regulating expansion-restriction signals. BMC Biology, 2018, 16, 13.	1.7	9
52	Reduced Retinoic Acid Signaling During Gastrulation Induces Developmental Microcephaly. Frontiers in Cell and Developmental Biology, 2022, 10, 844619.	1.8	8
53	Retinoic Acid Fluctuation Activates an Uneven, Direction-Dependent Network-Wide Robustness Response in Early Embryogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 747969.	1.8	7
54	Expression of the ALK1 family of type I BMP/ADMP receptors during gastrula stages in Xenopus embryos. International Journal of Developmental Biology, 2017, 61, 465-470.	0.3	6

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55	Retinoic Acid is Required for Normal Morphogenetic Movements During Gastrulation. Frontiers in Cell and Developmental Biology, 2022, 10, 857230.	1.8	3
56	Enhanced Loss of Retinoic Acid Network Genes in Xenopus laevis Achieves a Tighter Signal Regulation. Cells, 2022, 11, 327.	1.8	1
57	Reply to Francois et al.. Nature, 2009, 461, E2-E2.	13.7	0
58	Special issue on fetal alcohol spectrum disorder. Biochemistry and Cell Biology, 2018, 96, v-vi.	0.9	0