

Manfred Frasch

List of Publications by Year in descending order

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83
papers

6,759
citations

61687

45
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78623

77
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113
all docs

113
docs citations

113
times ranked

4298
citing authors

#	ARTICLE	IF	CITATIONS
1	Screens in fly and beetle reveal vastly divergent gene sets required for developmental processes. <i>BMC Biology</i> , 2022, 20, 38.	1.7	11
2	Yorkie and JNK revert syncytial muscles into myoblasts during Org-1-dependent lineage reprogramming. <i>Journal of Cell Biology</i> , 2019, 218, 3572-3582.	2.3	11
3	A Large Scale Systemic RNAi Screen in the Red Flour Beetle <i>Tribolium castaneum</i> Identifies Novel Genes Involved in Insect Muscle Development. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1009-1026.	0.8	13
4	RNAi Screen in <i>Tribolium</i> Reveals Involvement of F-BAR Proteins in Myoblast Fusion and Visceral Muscle Morphogenesis in Insects. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1141-1151.	0.8	4
5	T-Box Genes in <i>Drosophila</i> Mesoderm Development. <i>Current Topics in Developmental Biology</i> , 2017, 122, 161-193.	1.0	11
6	Preface. <i>Current Topics in Developmental Biology</i> , 2017, 122, xiii-xviii.	1.0	0
7	Genome-Wide Approaches to <i>Drosophila</i> Heart Development. <i>Journal of Cardiovascular Development and Disease</i> , 2016, 3, 20.	0.8	7
8	Dedifferentiation, Redifferentiation, and Transdifferentiation of Striated Muscles During Regeneration and Development. <i>Current Topics in Developmental Biology</i> , 2016, 116, 331-355.	1.0	18
9	Org-1-Dependent Lineage Reprogramming Generates the Ventral Longitudinal Musculature of the <i>Drosophila</i> Heart. <i>Current Biology</i> , 2015, 25, 488-494.	1.8	40
10	The iBeetle large-scale RNAi screen reveals gene functions for insect development and physiology. <i>Nature Communications</i> , 2015, 6, 7822.	5.8	139
11	An Org-1-Tup transcriptional cascade reveals different types of alary muscles connecting internal organs in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2014, 141, 3761-3771.	1.2	26
12	Distinct functions of the laminin $\beta 2$ LN domain and collagen IV during cardiac extracellular matrix formation and stabilization of alary muscle attachments revealed by EMS mutagenesis in <i>Drosophila</i> . <i>BMC Developmental Biology</i> , 2014, 14, 26.	2.1	57
13	Org-1 is required for the diversification of circular visceral muscle founder cells and normal midgut morphogenesis. <i>Developmental Biology</i> , 2013, 376, 245-259.	0.9	21
14	Genome-Wide Screens for In Vivo Tinman Binding Sites Identify Cardiac Enhancers with Diverse Functional Architectures. <i>PLoS Genetics</i> , 2013, 9, e1003195.	1.5	62
15	Org-1, the <i>Drosophila</i> ortholog of Tbx1, is a direct activator of known identity genes during muscle specification. <i>Development (Cambridge)</i> , 2012, 139, 1001-1012.	1.2	46
16	The FGF8-related signals Pyramus and Thisbe promote pathfinding, substrate adhesion, and survival of migrating longitudinal gut muscle founder cells. <i>Developmental Biology</i> , 2012, 368, 28-43.	0.9	31
17	Spalt mediates an evolutionarily conserved switch to fibrillar muscle fate in insects. <i>Nature</i> , 2011, 479, 406-409.	13.7	101
18	Genetic and Genomic Dissection of Cardiogenesis in the <i>Drosophila</i> Model. <i>Pediatric Cardiology</i> , 2010, 31, 325-334.	0.6	48

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19	Development and Aging of the <i>Drosophila</i> Heart. , 2010, , 47-86.		28
20	Regulation and Functions of the <i>lms</i> Homeobox Gene during Development of Embryonic Lateral Transverse Muscles and Direct Flight Muscles in <i>Drosophila</i> . PLoS ONE, 2010, 5, e14323.	1.1	21
21	<i>HLH54F</i> is required for the specification and migration of longitudinal gut muscle founders from the caudal mesoderm of <i>Drosophila</i> . Development (Cambridge), 2010, 137, 3107-3117.	1.2	31
22	<i>Drosophila</i> Tey represses transcription of the repulsive cue Toll and generates neuromuscular target specificity. Development (Cambridge), 2010, 137, 2139-2146.	1.2	27
23	A matter of timing: microRNA-controlled temporal identities in worms and flies. Genes and Development, 2008, 22, 1572-1576.	2.7	10
24	<i>Drosophila</i> mind bomb2 is required for maintaining muscle integrity and survival. Journal of Cell Biology, 2007, 179, 219-227.	2.3	23
25	Evolution of the dorsal-ventral patterning network in the mosquito, <i>Anopheles gambiae</i> . Development (Cambridge), 2007, 134, 2415-2424.	1.2	70
26	The <i>Drosophila</i> Hand gene is required for remodeling of the developing adult heart and midgut during metamorphosis. Developmental Biology, 2007, 311, 287-296.	0.9	30
27	MicroRNAs in muscle differentiation: lessons from <i>Drosophila</i> and beyond. Current Opinion in Genetics and Development, 2006, 16, 533-539.	1.5	55
28	Cardioblast-intrinsic Tinman activity controls proper diversification and differentiation of myocardial cells in <i>Drosophila</i> . Development (Cambridge), 2006, 133, 4073-4083.	1.2	86
29	Development of the Larval Visceral Musculature. , 2006, , 62-78.		11
30	The Dorsocross T-box genes are key components of the regulatory network controlling early cardiogenesis in <i>Drosophila</i> . Development (Cambridge), 2005, 132, 4911-4925.	1.2	96
31	Nuclear integration of positive Dpp signals, antagonistic Wg inputs and mesodermal competence factors during <i>Drosophila</i> visceral mesoderm induction. Development (Cambridge), 2005, 132, 1429-1442.	1.2	51
32	Expression, Regulation, and Requirement of the Toll Transmembrane Protein during Dorsal Vessel Formation in <i>Drosophila melanogaster</i> . Molecular and Cellular Biology, 2005, 25, 4200-4210.	1.1	54
33	The homeodomain of Tinman mediates homo- and heterodimerization of NK proteins. Biochemical and Biophysical Research Communications, 2005, 334, 361-369.	1.0	17
34	Tbx20-related genes, mid and H15, are required for tinman expression, proper patterning, and normal differentiation of cardioblasts in <i>Drosophila</i> . Mechanisms of Development, 2005, 122, 1056-1069.	1.7	69
35	pyramus and thisbe: FGF genes that pattern the mesoderm of <i>Drosophila</i> embryos. Genes and Development, 2004, 18, 687-699.	2.7	163
36	Survey of forkhead domain encoding genes in the <i>Drosophila</i> genome: Classification and embryonic expression patterns. Developmental Dynamics, 2004, 229, 357-366.	0.8	81

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37	Establishing Aâ€P Polarity in the Embryonic Heart Tube A Conserved Function of Hox Genes in Drosophila and Vertebrates?. Trends in Cardiovascular Medicine, 2003, 13, 182-187.	2.3	50
38	Jelly belly protein activates the receptor tyrosine kinase Alk to specify visceral muscle pioneers. Nature, 2003, 425, 507-512.	13.7	165
39	The T-box-encoding Dorsocross genes function in amnioserosa development and the patterning of the dorsolateral germ band downstream of Dpp. Development (Cambridge), 2003, 130, 3187-3204.	1.2	124
40	Early Signals in Cardiac Development. Circulation Research, 2002, 91, 457-469.	2.0	272
41	Homeotic Genes Autonomously Specify the Anteroposterior Subdivision of the Drosophila Dorsal Vessel into Aorta and Heart. Developmental Biology, 2002, 251, 307-319.	0.9	91
42	The β 3 tubulin gene is a direct target of bagpipe and biniou in the visceral mesoderm of Drosophila. Mechanisms of Development, 2002, 114, 85-93.	1.7	16
43	Homeotic Genes Autonomously Specify the Anteroposterior Subdivision of the Drosophila Dorsal Vessel into Aorta and Heart. Developmental Biology, 2002, 251, 307-307.	0.9	4
44	Cardiogenesis in the Drosophila Model: Control Mechanisms during Early Induction and Diversification of Cardiac Progenitors. Cold Spring Harbor Symposia on Quantitative Biology, 2002, 67, 1-12.	2.0	24
45	Molecular Integration of Inductive and Mesoderm-Intrinsic Inputs Governs even-skipped Enhancer Activity in a Subset of Pericardial and Dorsal Muscle Progenitors. Developmental Biology, 2001, 238, 13-26.	0.9	98
46	A role for the COUP-TF-related gene seven-up in the diversification of cardioblast identities in the dorsal vessel of Drosophila. Mechanisms of Development, 2001, 104, 49-60.	1.7	176
47	A cluster of Drosophila homeobox genes involved in mesoderm differentiation programs. BioEssays, 2001, 23, 125-133.	1.2	79
48	<i>biniou</i> (<i>FoxF</i>), a central component in a regulatory network controlling visceral mesoderm development and midgut morphogenesis in <i>Drosophila</i> . Genes and Development, 2001, 15, 2900-2915.	2.7	133
49	Functional studies of the BTB domain in the Drosophila GAGA and Mod(mdg4) proteins. Nucleic Acids Research, 2000, 28, 3864-3870.	6.5	24
50	Mergers and Acquisitions. Cell, 2000, 102, 127-129.	13.5	23
51	The NK-2 homeobox gene scarecrow (<i>scro</i>) is expressed in pharynx, ventral nerve cord and brain of Drosophila embryos. Mechanisms of Development, 2000, 94, 237-241.	1.7	58
52	Hmx : an evolutionary conserved homeobox gene family expressed in the developing nervous system in mice and Drosophila. Mechanisms of Development, 2000, 99, 123-137.	1.7	66
53	Genetic Control of Mesoderm Patterning and Differentiation During Drosophila Embryogenesis. Advances in Developmental Biochemistry, 1999, , 1-47.	0.9	8
54	Controls in patterning and diversification of somatic muscles during Drosophila embryogenesis. Current Opinion in Genetics and Development, 1999, 9, 522-529.	1.5	95

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55	Sequence and expression of myoglianin, a novel <i>Drosophila</i> gene of the TGF- β 2 superfamily. <i>Mechanisms of Development</i> , 1999, 86, 171-175.	1.7	87
56	Intersecting signalling and transcriptional pathways in <i>Drosophila</i> heart specification. <i>Seminars in Cell and Developmental Biology</i> , 1999, 10, 61-71.	2.3	49
57	Genetic Determination of <i>Drosophila</i> Heart Development. , 1999, , 65-90.		35
58	Regulation and function of tinman during dorsal mesoderm induction and heart specification in <i>Drosophila</i> . <i>Genesis</i> , 1998, 22, 187-200.	3.1	90
59	bagpipe-dependent expression of vimar, a novel Armadillo-repeats gene, in <i>Drosophila</i> visceral mesoderm. <i>Mechanisms of Development</i> , 1998, 72, 65-75.	1.7	17
60	Smad proteins act in combination with synergistic and antagonistic regulators to target Dpp responses to the <i>Drosophila</i> mesoderm. <i>Genes and Development</i> , 1998, 12, 2354-2370.	2.7	242
61	Regulation and function of tinman during dorsal mesoderm induction and heart specification in <i>Drosophila</i> . <i>Genesis</i> , 1998, 22, 187-200.	3.1	1
62	A Novel KH-Domain Protein Mediates Cell Adhesion Processes in <i>Drosophila</i> . <i>Developmental Biology</i> , 1997, 190, 241-256.	0.9	43
63	Bapxl: an evolutionary conserved homologue of the <i>Drosophila</i> bagpipe homeobox gene is expressed in splanchnic mesoderm and the embryonic skeleton. <i>Mechanisms of Development</i> , 1997, 65, 145-162.	1.7	101
64	msh may play a conserved role in dorsoventral patterning of the neuroectoderm and mesoderm. <i>Mechanisms of Development</i> , 1996, 58, 217-231.	1.7	121
65	Segmentation and specification of the <i>Drosophila</i> mesoderm.. <i>Genes and Development</i> , 1996, 10, 3183-3194.	2.7	179
66	Yeast Srp1, a nuclear protein related to <i>Drosophila</i> and mouse pendulin, is required for normal migration, division, and integrity of nuclei during mitosis. <i>Molecular Genetics and Genomics</i> , 1995, 248, 351-363.	2.4	53
67	Induction of visceral and cardiac mesoderm by ectodermal Dpp in the early <i>Drosophila</i> embryo. <i>Nature</i> , 1995, 374, 464-467.	13.7	406
68	Pendulin, a <i>Drosophila</i> protein with cell cycle-dependent nuclear localization, is required for normal cell proliferation.. <i>Journal of Cell Biology</i> , 1995, 129, 1491-1507.	2.3	127
69	tinman and bagpipe: two homeo box genes that determine cell fates in the dorsal mesoderm of <i>Drosophila</i> .. <i>Genes and Development</i> , 1993, 7, 1325-1340.	2.7	692
70	A dual requirement for neurogenic genes in <i>Drosophila</i> myogenesis. <i>Development (Cambridge)</i> , 1993, 119, 149-161.	1.2	62
71	Sequence similarity between the mammalian bmi-1 proto-oncogene and the <i>Drosophila</i> regulatory genes Psc and Su(z)2. <i>Nature</i> , 1991, 353, 353-355.	13.7	235
72	Characterization of a <i>Drosophila</i> protein associated with boundaries of transcriptionally active chromatin.. <i>Genes and Development</i> , 1991, 5, 1611-1621.	2.7	104

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73	The <i>Drosophila</i> homologue of vertebrate myogenic-determination genes encodes a transiently expressed nuclear protein marking primary myogenic cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3782-3786.	3.3	129
74	Two puff-specific proteins bind within the 2.5 kb upstream region of the <i>Drosophila melanogaster</i> Sgs-4 gene. <i>Chromosoma</i> , 1990, 99, 52-60.	1.0	35
75	A new <i>Drosophila</i> homeo box gene is expressed in mesodermal precursor cells of distinct muscles during embryogenesis.. <i>Genes and Development</i> , 1990, 4, 2098-2111.	2.7	214
76	Two proteins from <i>Drosophila</i> nuclei are bound to chromatin and are detected in a series of puffs on polytene chromosomes. <i>Chromosoma</i> , 1989, 97, 272-281.	1.0	32
77	Specific radioimmunoprecipitation of histone H2A antigens by protein A conjugated sepharose. <i>Experientia</i> , 1988, 44, 347-348.	1.2	0
78	Molecular analysis of even-skipped mutants in <i>Drosophila</i> development.. <i>Genes and Development</i> , 1988, 2, 1824-1838.	2.7	113
79	Complementary patterns of even-skipped and fushi tarazu expression involve their differential regulation by a common set of segmentation genes in <i>Drosophila</i> .. <i>Genes and Development</i> , 1987, 1, 981-995.	2.7	274
80	Appearance of two maternally directed histone H2A variants precedes zygotic ubiquitination of H2A in early embryogenesis of <i>Sciara coprophila</i> (Diptera). <i>Developmental Biology</i> , 1987, 122, 568-576.	0.9	15
81	Maternal regulation of <i>zerkn</i> : a homeobox gene controlling differentiation of dorsal tissues in <i>Drosophila</i> . <i>Nature</i> , 1987, 330, 583-586.	13.7	151
82	Immunological dissection of the <i>Drosophila</i> nucleus. <i>Biochemical Society Transactions</i> , 1985, 13, 100-101.	1.6	0
83	Nonpackaging and packaging proteins of hnRNA in <i>Drosophila melanogaster</i> . <i>Cell</i> , 1983, 33, 529-541.	13.5	75