Ralf Schnabel

List of Publications by Year
in descending order

59	4,558	147801	138484
papers	citations	31 h-index	58 g-index

63	63	63	4057
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cyk-4. Journal of Cell Biology, 2000, 149, 1391-1404.	5.2	356
2	High-Throughput In Vivo Analysis of Gene Expression in Caenorhabditis elegans. PLoS Biology, 2007, 5, e237.	5.6	346
3	The glp-1 locus and cellular interactions in early C. elegans embryos. Cell, 1987, 51, 601-611.	28.9	337
4	Assessing Normal Embryogenesis inCaenorhabditis elegansUsing a 4D Microscope: Variability of Development and Regional Specification. Developmental Biology, 1997, 184, 234-265.	2.0	302
5	Engulfment genes cooperate with ced-3 to promote cell death in Caenorhabditis elegans. Nature, 2001, 412, 202-206.	27.8	282
6	Two pathways converge at CED-10 to mediate actin rearrangement and corpse removal in C. elegans. Nature, 2005, 434, 93-99.	27.8	238
7	pha-1, a selectable marker for gene transfer inC.elegans. Nucleic Acids Research, 1994, 22, 1762-1763.	14.5	179
8	Binary specification of the embryonic lineage in Caenorhabditis elegans. Nature, 1997, 390, 294-298.	27.8	168
9	Dissection of Cell Division Processes in the One Cell Stage Caenorhabditis elegans Embryo by Mutational Analysis. Journal of Cell Biology, 1999, 144, 927-946.	5.2	165
10	Centriolar SAS-5 is required for centrosome duplication in C. elegans. Nature Cell Biology, 2004, 6, 656-664.	10.3	156
11	Latrophilin Signaling Links Anterior-Posterior Tissue Polarity and Oriented Cell Divisions in the C.Âelegans Embryo. Developmental Cell, 2009, 17, 494-504.	7.0	142
12	The GPS Motif Is a Molecular Switch for Bimodal Activities of Adhesion Class G Protein-Coupled Receptors. Cell Reports, 2012, 2, 321-331.	6.4	123
13	The pattern of neuroblast formation, mitotic domains and proneural gene expression during early brain development in Drosophila. Development (Cambridge), 2003, 130, 3589-3606.	2.5	112
14	The eutardigrade Thulinia stephaniae has an indeterminate development and the potential to regulate early blastomere ablations. Development (Cambridge), 2005, 132, 1349-1361.	2.5	112
15	Embryology of a planktonic tunicate reveals traces of sessility. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7229-7234.	7.1	99
16	Ballistic transformation of Caenorhabditis elegans. Gene, 1999, 229, 31-35.	2.2	98
17	A conserved function for a Caenorhabditis elegans Com1/Sae2/CtIP protein homolog in meiotic recombination. EMBO Journal, 2007, 26, 5071-5082.	7.8	94
18	CSC-1. Journal of Cell Biology, 2003, 161, 229-236.	5.2	93

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19	The Wnt Pathway Controls Cell Death Engulfment, Spindle Orientation, and Migration through CED-10/Rac. PLoS Biology, 2010, 8, e1000297.	5.6	90
20	Oriented Cell Division in the C. elegans Embryo Is Coordinated by G-Protein Signaling Dependent on the Adhesion GPCR LAT-1. PLoS Genetics, 2015, 11, e1005624.	3.5	80
21	Global cell sorting in the C. elegans embryo defines a new mechanism for pattern formation. Developmental Biology, 2006, 294, 418-431.	2.0	69
22	Conserved Regulation of the Caenorhabditis elegans labial/Hox1 Gene ceh-13. Developmental Biology, 2002, 242, 96-108.	2.0	66
23	A Posterior Centre Establishes and Maintains Polarity of the Caenorhabditis elegans Embryo by a Wnt-Dependent Relay Mechanism. PLoS Biology, 2006, 4, e396.	5.6	64
24	Cell Autonomous Expression of Perlecan and Plasticity of Cell Shape in Embryonic Muscle ofCaenorhabditis elegans. Developmental Biology, 1996, 173, 228-242.	2.0	59
25	Neuroendocrine modulation sustains the C. elegans forward motor state. ELife, 2016, 5, .	6.0	48
26	Cellular interactions involved in the determination of the early C. elegans embryo. Mechanisms of Development, 1991, 34, 85-99.	1.7	45
27	Oncogenic potential of a C.eleganscdc25 gene is demonstrated by a gain-of-function allele. EMBO Journal, 2002, 21, 665-674.	7.8	44
28	Functional Dissection of Caenorhabditis elegans CLK-2/TEL2 Cell Cycle Defects during Embryogenesis and Germline Development. PLoS Genetics, 2009, 5, e1000451.	3.5	43
29	What a couple of dimensions can do for you: Comparative developmental studies using 4D microscopy--examples from tardigrade development. Integrative and Comparative Biology, 2006, 46, 151-161.	2.0	38
30	The HLH-6 Transcription Factor Regulates C. elegans Pharyngeal Gland Development and Function. PLoS Genetics, 2008, 4, e1000222.	3.5	38
31	Disruption of the Caenorhabditis elegans Integrator complex triggers a non-conventional transcriptional mechanism beyond snRNA genes. PLoS Genetics, 2019, 15, e1007981.	3.5	36
32	Differential proteome analysis and mass spectrometric characterization of germ line development-related proteins ofCaenorhabditis elegans. Proteomics, 2004, 4, 2283-2295.	2.2	32
33	ccz-1mediates the digestion of apoptotic corpses inC. elegans. Journal of Cell Science, 2010, 123, 2001-2007.	2.0	30
34	Global cell sorting is mediated by local cellâ€“cell interactions in the C. elegans embryo. Developmental Biology, 2006, 294, 432-444.	2.0	29
35	Pattern formation: Regional specification in the earlyC. elegans embryo. BioEssays, 1996, 18, 591-594.	2.5	27
36	PCMD-1 Organizes Centrosome Matrix Assembly in C.Âelegans. Current Biology, 2019, 29, 1324-1336.e6.	3.9	26

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37	C. elegansknockouts in ubiquinone biosynthesis genes result in different phenotypes during larval development. BioFactors, 2005, 25, 21-29.	5.4	23
38	MIP-MAP: High-Throughput Mapping of Caenorhabditis elegans Temperature-Sensitive Mutants via Molecular Inversion Probes. Genetics, 2017, 207, 447-463.	2.9	23
39	A ubiquitin C-terminal hydrolase is required to maintain osmotic balance and execute actin-dependent processes in the earlyC. elegansembryo. Journal of Cell Science, 2002, 115, 2293-2302.	2.0	23
40	Coenzyme Q supports distinct developmental processes in Caenorhabditis elegans. Mechanisms of Ageing and Development, 2009, 130, 145-153.	4.6	22
41	Why does a nematode have an invariant cell lineage?. Seminars in Cell and Developmental Biology, 1997, 8, 341-349.	5.0	21
42	Twenty million years of evolution: The embryogenesis of four Caenorhabditis species are indistinguishable despite extensive genome divergence. Developmental Biology, 2019, 447, 182-199.	2.0	20
43	Behavioral and synaptic defects in C. elegans lacking the NKâ€2 homeobox gene cehâ€28. Developmental Neurobiology, 2008, 68, 421-433.	3.0	15
44	Functional analysis of the single calmodulin gene in the nematode Caenorhabditis elegans by RNA interference and 4-D microscopy. European Journal of Cell Biology, 2003, 82, 557-563.	3.6	14
45	A 4D-microscopic analysis of the germ band in the isopod crustacean Porcellio scaber (Malacostraca,) Tj ETQq1 1 0.784314 rgBT /Ove 216, 755-767.	0.9	14
46	Neurotransmitter-mediated activity spatially controls neuronal migration in the zebrafish cerebellum. PLoS Biology, 2018, 16, e2002226.	5.6	14
47	Fate Specification and Tissue-specific Cell Cycle Control of the Caenorhabditis elegans Intestine. Molecular Biology of the Cell, 2010, 21, 725-738.	2.1	12
48	Genetics of Lipid-Storage Management in Caenorhabditis elegans Embryos. Genetics, 2016, 202, 1071-1083.	2.9	12
49	Piecemeal regulation of convergent neuronal lineages by bHLH transcription factors inCaenorhabditis elegans. Development (Cambridge), 2021, 148, .	2.5	11
50	Complexity of Developmental Control: Analysis of Embryonic Cell Lineage Specification in Caenorhabditis elegans Using pes-1 as an Early Marker. Genetics, 1999, 151, 131-141.	2.9	11
51	Early determinative events in Caenorhabditis elegans. Current Opinion in Genetics and Development, 1991, 1, 179-184.	3.3	10
52	Adhesion GPCRs Govern Polarity of Epithelia and Cell Migration. Handbook of Experimental Pharmacology, 2016, 234, 249-274.	1.8	9
53	Glycine is able to induce both a motility speed in- and decrease during zebrafish neuronal migration. Communicative and Integrative Biology, 2018, 11, 1-7.	1.4	8
54	Mass spectrometric comparison of N-glycan profiles from Caenorhabditis elegans mutant embryos. Glycoconjugate Journal, 2012, 29, 135-145.	2.7	7

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55	Hox genes misled by local environments. Nature, 1997, 385, 588-589.	27.8	6
56	Asymmetric division events promote variability in cell cycle duration in animal cells and Escherichia coli. Nature Communications, 2019, 10, 1901.	12.8	6
57	Identification of essential genes in Caenorhabditis elegans through whole-genome sequencing of legacy mutant collections. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	6
58	Reduction of mRNA export unmasks different tissue sensitivities to low mRNA levels during Caenorhabditis elegans development. PLoS Genetics, 2019, 15, e1008338.	3.5	3
59	Differential expression pattern of coq-8 gene during development in Caenorhabditis elegans. Gene Expression Patterns, 2006, 6, 433-439.	0.8	2