

Ralf Janssen

List of Publications by Year in descending order

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62
papers

2,131
citations

257357

24
h-index

254106

43
g-index

65
all docs

65
docs citations

65
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	The house spider genome reveals an ancient whole-genome duplication during arachnid evolution. <i>BMC Biology</i> , 2017, 15, 62.	1.7	286
2	Conservation, loss, and redeployment of Wnt ligands in protostomes: implications for understanding the evolution of segment formation. <i>BMC Evolutionary Biology</i> , 2010, 10, 374.	3.2	153
3	Gene expression suggests decoupled dorsal and ventral segmentation in the millipede <i>Glomeris marginata</i> (Myriapoda: Diplopoda). <i>Developmental Biology</i> , 2004, 268, 89-104.	0.9	130
4	Gene expression in spider appendages reveals reversal of <i>exd/hth</i> spatial specificity, altered leg gap gene dynamics, and suggests divergent distal morphogen signaling. <i>Developmental Biology</i> , 2003, 264, 119-140.	0.9	114
5	Pair rule gene orthologs in spider segmentation. <i>Evolution & Development</i> , 2005, 7, 618-628.	1.1	75
6	Origin and evolution of the panarthropod head – A palaeobiological and developmental perspective. <i>Arthropod Structure and Development</i> , 2017, 46, 354-379.	0.8	75
7	Deuterostomic Development in the Protostome <i>Priapulus caudatus</i> . <i>Current Biology</i> , 2012, 22, 2161-2166.	1.8	73
8	Head patterning and Hox gene expression in an onychophoran and its implications for the arthropod head problem. <i>Development Genes and Evolution</i> , 2010, 220, 117-122.	0.4	69
9	Deciphering the onychophoran –segmentation gene cascade–™: Gene expression reveals limited involvement of pair rule gene orthologs in segmentation, but a highly conserved segment polarity gene network. <i>Developmental Biology</i> , 2013, 382, 224-234.	0.9	68
10	Gene expression patterns in an onychophoran reveal that regionalization predates limb segmentation in panarthropods. <i>Evolution & Development</i> , 2010, 12, 363-372.	1.1	61
11	Onychophoran Hox genes and the evolution of arthropod Hox gene expression. <i>Frontiers in Zoology</i> , 2014, 11, 22.	0.9	61
12	The ten Hox genes of the millipede <i>Glomeris marginata</i> . <i>Development Genes and Evolution</i> , 2006, 216, 451-465.	0.4	54
13	Early embryonic development of the priapulid worm <i>Priapulus caudatus</i> . <i>Evolution & Development</i> , 2008, 10, 326-338.	1.1	50
14	Embryonic expression patterns and phylogenetic analysis of panarthropod <i>sox</i> genes: insight into nervous system development, segmentation and gonadogenesis. <i>BMC Evolutionary Biology</i> , 2018, 18, 88.	3.2	45
15	Evidence for <i>Wg</i> -independent tergite boundary formation in the millipede <i>Glomeris marginata</i> . <i>Development Genes and Evolution</i> , 2008, 218, 361-370.	0.4	44
16	Expression of myriapod pair rule gene orthologs. <i>EvoDevo</i> , 2011, 2, 5.	1.3	42
17	Analysis of the Wnt gene repertoire in an onychophoran provides new insights into the evolution of segmentation. <i>EvoDevo</i> , 2014, 5, 14.	1.3	41
18	Gene expression suggests conserved mechanisms patterning the heads of insects and myriapods. <i>Developmental Biology</i> , 2011, 357, 64-72.	0.9	37

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19	Phylogenetic analysis and embryonic expression of panarthropod Dmrt genes. <i>Frontiers in Zoology</i> , 2019, 16, 23.	0.9	33
20	Evolution of dorsal-ventral axis formation in arthropod appendages: H15 and optomotor-blind/bifid-type T-box genes in the millipede <i>Glomeris marginata</i> (Myriapoda: Diplopoda). <i>Evolution & Development</i> , 2005, 7, 51-57.	1.1	32
21	Identification and embryonic expression of Wnt2, Wnt4, Wnt5 and Wnt9 in the millipede <i>Glomeris marginata</i> (Myriapoda: Diplopoda). <i>Gene Expression Patterns</i> , 2014, 14, 55-61.	0.3	32
22	Diverged and conserved aspects of heart formation in a spider. <i>Evolution & Development</i> , 2008, 10, 155-165.	1.1	30
23	Comparative analysis of gene expression patterns in the arthropod labrum and the onychophoran frontal appendages, and its implications for the arthropod head problem. <i>EvoDevo</i> , 2017, 8, 1.	1.3	28
24	Molecular evidence for a single origin of ultrafiltration-based excretory organs. <i>Current Biology</i> , 2021, 31, 3629-3638.e2.	1.8	28
25	A review of the correlation of tergites, sternites, and leg pairs in diplopods. <i>Frontiers in Zoology</i> , 2006, 3, 2.	0.9	27
26	Hatching and earliest larval stages of the priapulid worm <i>Priapulus caudatus</i> . <i>Invertebrate Biology</i> , 2009, 128, 157-171.	0.3	27
27	Segment polarity gene expression in a myriapod reveals conserved and diverged aspects of early head patterning in arthropods. <i>Development Genes and Evolution</i> , 2012, 222, 299-309.	0.4	27
28	Diplosegmentation in the pill millipede <i>Glomeris marginata</i> is the result of dorsal fusion. <i>Evolution & Development</i> , 2011, 13, 477-487.	1.1	24
29	Expression of collier in the premandibular segment of myriapods: support for the traditional Atelocerata concept or a case of convergence?. <i>BMC Evolutionary Biology</i> , 2011, 11, 50.	3.2	24
30	The T-box genes <i>H15</i> and <i>optomotor-blind</i> in the spiders <i>Cupiennius salei</i> , <i>Tegenaria atrica</i> and <i>Achaearanea tepidariorum</i> and the dorsoventral axis of arthropod appendages. <i>Evolution & Development</i> , 2008, 10, 143-154.	1.1	23
31	Expression of pair rule gene orthologs in the blastoderm of a myriapod: evidence for pair rule-like mechanisms?. <i>BMC Developmental Biology</i> , 2012, 12, 15.	2.1	23
32	A molecular view of onychophoran segmentation. <i>Arthropod Structure and Development</i> , 2017, 46, 341-353.	0.8	21
33	Widespread retention of ohnologs in key developmental gene families following whole-genome duplication in arachnospulmonates. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	21
34	Gene expression suggests conserved aspects of Hox gene regulation in arthropods and provides additional support for monophyletic Myriapoda. <i>EvoDevo</i> , 2010, 1, 4.	1.3	20
35	The evolution and expression of panarthropod frizzled genes. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	1.1	20
36	Aspects of dorso-ventral and proximo-distal limb patterning in onychophorans. <i>Evolution & Development</i> , 2015, 17, 21-33.	1.1	20

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37	Developmental abnormalities in <i>Glomeris marginata</i> (Villers 1789) (Myriapoda: Diplopoda): implications for body axis determination in a myriapod. <i>Die Naturwissenschaften</i> , 2013, 100, 33-43.	0.6	17
38	Fate and nature of the onychophoran mouthâ€“anus furrow and its contribution to the blastopore. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142628.	1.2	17
39	Expression of arthropod distal limb-patterning genes in the onychophoran <i>Euperipatoides kanangrensis</i> . <i>Development Genes and Evolution</i> , 2014, 224, 87-96.	0.4	16
40	A chelicerate Wnt gene expression atlas: novel insights into the complexity of arthropod Wnt-patterning. <i>EvoDevo</i> , 2021, 12, 12.	1.3	16
41	The hatching larva of the priapulid worm <i>Halicryptus spinulosus</i> . <i>Frontiers in Zoology</i> , 2009, 6, 8.	0.9	15
42	Gene expression analysis reveals that Delta/Notch signalling is not involved in onychophoran segmentation. <i>Development Genes and Evolution</i> , 2016, 226, 69-77.	0.4	15
43	Embryonic expression of priapulid Wnt genes. <i>Development Genes and Evolution</i> , 2019, 229, 125-135.	0.4	14
44	FoxB, a new and highly conserved key factor in arthropod dorsalâ€“ventral (DV) limb patterning. <i>EvoDevo</i> , 2019, 10, 28.	1.3	10
45	Gene expression suggests double-segmental and single-segmental patterning mechanisms during posterior segment addition in the beetle <i>Tribolium castaneum</i> . <i>International Journal of Developmental Biology</i> , 2014, 58, 343-347.	0.3	9
46	Investigation of endoderm marker-genes during gastrulation and gut-development in the velvet worm <i>Euperipatoides kanangrensis</i> . <i>Developmental Biology</i> , 2017, 427, 155-164.	0.9	8
47	Gene expression reveals evidence for EGFR-dependent proximal-distal limb patterning in a myriapod. <i>Evolution & Development</i> , 2017, 19, 124-135.	1.1	6
48	The last common ancestor of Ecdysozoa had an adult terminal mouth. <i>Arthropod Structure and Development</i> , 2019, 49, 155-158.	0.8	5
49	An abnormally developed embryo of the pill millipede <i>Glomeris marginata</i> that lacks dorsal segmental derivatives. <i>Development Genes and Evolution</i> , 2011, 221, 351-355.	0.4	4
50	Gene expression analysis of potential morphogen signalling modifying factors in Panarthropoda. <i>EvoDevo</i> , 2018, 9, 20.	1.3	4
51	Phylogenetic analysis of forkhead transcription factors in the Panarthropoda. <i>Development Genes and Evolution</i> , 2022, 232, 39-48.	0.4	4
52	The forkhead box containing transcription factor FoxB is a potential component of dorsal-ventral body axis formation in the spider <i>Parasteatoda tepidariorum</i> . <i>Development Genes and Evolution</i> , 2020, 230, 65-73.	0.4	3
53	Oscillating waves of Fox, Cyclin and CDK gene expression indicate unique spatiotemporal control of cell cycling during nervous system development in onychophorans. <i>Arthropod Structure and Development</i> , 2021, 62, 101042.	0.8	3
54	Expression of <i>netrin</i> and its receptors <i>uncoordinated</i> and <i>frazzled</i> in arthropods and onychophorans suggests conserved and diverged functions in neuronal pathfinding and synaptogenesis. <i>Developmental Dynamics</i> , 2023, 252, 172-185.	0.8	3

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55	A comprehensive study of arthropod and onychophoran Fox gene expression patterns. PLoS ONE, 2022, 17, e0270790.	1.1	3
56	A curious abnormally developed embryo of the pill millipede <i>Glomeris marginata</i> (Villers, 1789). ZooKeys, 2013, 276, 67-75.	0.5	2
57	Embryonic expression of a Long Toll (Loto) gene in the onychophorans <i>Euperipatoides kanangrensis</i> and <i>Cephalofvea clandestina</i> . Development Genes and Evolution, 2018, 228, 171-178.	0.4	2
58	The embryonic expression pattern of a second, hitherto unrecognized, paralog of the pair-rule gene sloppy-paired in the beetle <i>Tribolium castaneum</i> . Development Genes and Evolution, 2020, 230, 247-256.	0.4	2
59	Lack of evidence for conserved parasegmental grooves in arthropods. Development Genes and Evolution, 2022, 232, 27-37.	0.4	2
60	Panarthropod tiptop/teashirt and spalt orthologs and their potential role as "trunk" selector genes. EvoDevo, 2021, 12, 7.	1.3	1
61	Expression of the zinc finger transcription factor Sp6 ⁹ in the velvet worm <i>Euperipatoides kanangrensis</i> suggests a conserved role in appendage development in Panarthropoda. Development Genes and Evolution, 2020, 230, 239-245.	0.4	1
62	Embryonic expression patterns of Wnt genes in the RTA-clade spider <i>Cupiennius salei</i> . Gene Expression Patterns, 2022, 44, 119247.	0.3	1