Ariel D Chipman

List of Publications by Year
in descending order

52 papers	2,576 citations	304368 22 h-index	243296 44 g-index
58 all docs	58 docs citations	58 times ranked	2554 citing authors

#	Article	IF	Citations
1	Serial Homology and Segment Identity in the Arthropod Head. Integrative Organismal Biology, 2022, 4, .	0.9	14
2	The Evolution and Development of Segmented Body Plans. , 2021, , 545-554.		0
3	Developmental Exaptation. , 2021, , 29-38.		1
4	Development of the Pre-gnathal Segments in the Milkweed Bug Oncopeltus fasciatus Suggests They Are Not Serial Homologs of Trunk Segments. Frontiers in Cell and Developmental Biology, 2021, 9, 695135.	1.8	10
5	The multiple roles of caudal in early development of the milkweed bug Oncopeltus fasciatus. Developmental Biology, 2020, 467, 66-76.	0.9	5
6	Gene content evolution in the arthropods. Genome Biology, 2020, 21, 15.	3.8	150
7	Elongation during segmentation shows axial variability, low mitotic rates, and synchronized cell cycle domains in the crustacean, Thamnocephalus platyurus. EvoDevo, 2020, 11, 1.	1.3	25
8	The evolution of the gene regulatory networks patterning the Drosophila Blastoderm. Current Topics in Developmental Biology, 2020, 139, 297-324.	1.0	17
9	Developing an integrated understanding of the evolution of arthropod segmentation using fossils and evo-devo. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191881.	1.2	22
10	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome. Genome Biology, 2019, 20, 64.	3.8	114
11	Growth zone segmentation in the milkweed bug Oncopeltus fasciatus sheds light on the evolution of insect segmentation. BMC Evolutionary Biology, 2018, 18, 178.	3.2	26
12	The Evolution and Development of Segmented Body Plans. , 2018, , 1-10.		1
13	Factors involved in early polarization of the anteriorâ€posterior axis in the milkweed bug Oncopeltus fasciatus. Genesis, 2017, 55, e23027.	0.8	23
14	Oncopeltus fasciatus as an evoâ€devo research organism. Genesis, 2017, 55, e23020.	0.8	27
15	The Evolution of Arthropod Body Plans: Integrating Phylogeny, Fossils, and Developmentâ€”An Introduction to the Symposium. Integrative and Comparative Biology, 2017, 57, 450-454.	0.9	4
16	Dynamics of growth zone patterning in the milkweed bug Oncopeltus fasciatus. Development (Cambridge), 2017, 144, 1896-1905.	1.2	29
17	The Evolution of Gene Regulatory Networks that Define Arthropod Body Plans. Integrative and Comparative Biology, 2017, 57, 523-532.	0.9	26
18	Developmental Exaptation. , 2017, , 1-10.		0

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19	Blastoderm segmentation in Oncopeltus fasciatus and the evolution of insect segmentation mechanisms. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161745.	1.2	29
20	An embryological perspective on the early arthropod fossil record. BMC Evolutionary Biology, 2015, 15, 285.	3.2	17
21	The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76.	3.8	330
22	Hexapoda: A Drosophilaâ€™s View of Development. , 2015, , 1-91.		6
23	Hexapoda: Comparative Aspects of Early Development. , 2015, , 93-110.		8
24	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005.	2.6	221
25	Evolution of the insect terminal patterning systemâ€"Insights from the milkweed bug, Oncopeltus fasciatus. Developmental Biology, 2013, 380, 125-131.	0.9	27
26	The Evolution of the knirps Family of Transcription Factors in Arthropods. Molecular Biology and Evolution, 2013, 30, 1348-1357.	3.5	23
27	Diversity and biogeography of Israeli geophilomorph centipedes (Chilopoda: Geophilomorpha). Zootaxa, 2013, 3652, 232-48.	0.2	7
28	Early patterning and blastodermal fate map of the head in the milkweed bug Oncopeltus fasciatus. Evolution & Development, 2011, 13, 436-447.	1.1	39
29	Parallel evolution of segmentation by coâ€option of ancestral gene regulatory networks. BioEssays, 2010, 32, 60-70.	1.2	115
30	Mutual regulatory interactions of the trunk gap genes during blastoderm patterning in the hemipteran Oncopeltus fasciatus. Developmental Biology, 2010, 346, 140-149.	0.9	33
31	On making a snake. Evolution & Development, 2009, 11, 3-5.	1.1	6
32	Annelids step forward. Evolution & Development, 2008, 10, 141-142.	1.1	8
33	Temperature-dependent plasticity of segment number in an arthropod species: the centipedeStrigamia maritima. Evolution & Development, 2008, 10, 487-492.	1.1	52
34	The segmentation cascade in the centipede Strigamia maritima: Involvement of the Notch pathway and pair-rule gene homologues. Developmental Biology, 2008, 319, 160-169.	0.9	107
35	In situ hybridization on whole larvae: a novel method for monitoring bivalve larvae. Marine Ecology - Progress Series, 2007, 343, 161-172.	0.9	20
36	Specification of neural precursor identity in the geophilomorph centipede Strigamia maritima. Developmental Biology, 2006, 290, 337-350.	0.9	53

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37	Expression of trunk Hox genes in the centipede Strigamia maritima: sense and anti-sense transcripts. Evolution & Development, 2006, 8, 252-265.	1.1	38
38	Neurogenesis in myriapods and chelicerates and its importance for understanding arthropod relationships. Integrative and Comparative Biology, 2006, 46, 195-206.	0.9	68
39	How does arthropod segment number evolve?-some clues from centipedes. Evolution & Development, 2005, 7, 600-607.	1.1	4
40	Arthropod Segmentation: beyond the Drosophila paradigm. Nature Reviews Genetics, 2005, 6, 905-916.	7.7	283
41	The centipedeStrigamia maritima: what it can tell us about the development and evolution of segmentation. BioEssays, 2005, 27, 653-660.	1.2	36
42	Early development and segment formation in the centipede, Strigamia maritima (Geophilomorpha). Evolution & Development, 2004, 6, 78-89.	1.1	86
43	A Double Segment Periodicity Underlies Segment Generation in Centipede Development. Current Biology, 2004, 14, 1250-1255.	1.8	164
44	Developmental constraints in a comparative framework: A test case using variations in phalanx number during amniote evolution. The Journal of Experimental Zoology, 2003, 296B, 8-22.	1.4	81
45	Ancient ontogenies: larval development of the Lower Cretaceous anuran Shomronella jordanica (Amphibia: Pipoidea). Evolution & Development, 2002, 4, 86-95.	1.1	32
46	Variation, plasticity and modularity in anuran development. Zoology, 2002, 105, 97-104.	0.6	42
47	Developmental exaptation and evolutionary change. Evolution & Development, 2001, 3, 299-301.	1.1	20
48	The evolution of genome size: What can be learned from anuran development?. The Journal of Experimental Zoology, 2001, 291, 365-374.	1.4	29
49	Variation in anuran embryogenesis: Differences in sequence and timing of early developmental events. The Journal of Experimental Zoology, 2000, 288, 352-365.	1.4	35
50	Variations in anuran embryogenesis: yolk-rich embryos of Hyperolius puncticulatus (Hyperoliidae). Evolution & Development, 1999, 1, 49-61.	1.1	20
51	Thoughts and speculations on the ancestral arthropod segmentation pathway. , 0, , 343-358.		12
52	Synopsis of the Evippinae (Araneae, Lycosidae) of Israel, with description of a new species. European Journal of Taxonomy, 0, 733, .	0.6	6