David B Pilgrim

List of Publications by Year
in descending order

28 papers	1,243 citations	430874 18 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1594 citing authors

#	Article	IF	Citations
1	A regulatory cascade of three homeobox genes,ceh-10,ttx-3andceh-23, controls cell fate specification of a defined interneuron class inC. elegans. Development (Cambridge), 2001, 128, 1951-1969.	2.5	261
2	Mitochondrial Respiratory Chain Deficiency inCaenorhabditis elegans Results in Developmental Arrest and Increased Life Span. Journal of Biological Chemistry, 2001, 276, 32240-32246.	3.4	131
3	The myosin co-chaperone UNC-45 is required for skeletal and cardiac muscle function in zebrafish. Developmental Biology, 2007, 303, 483-492.	2.0	100
4	UNC-45 is required for NMY-2 contractile function in early embryonic polarity establishment and germline cellularization in C. elegans. Developmental Biology, 2008, 314, 287-299.	2.0	77
5	Conservation of function and expression of unc-119 from two Caenorhabditis species despite divergence of non-coding DNA. Gene, 1996, 183, 77-85.	2.2	70
6	Caenorhabditis elegans Unc-45 Is a Component of Muscle Thick Filaments and Colocalizes with Myosin Heavy Chain B, but Not Myosin Heavy Chain a. Journal of Cell Biology, 2000, 148, 375-384.	5.2	69
7	Gdf6a is required for the initiation of dorsalâ€“ventral retinal patterning and lens development. Developmental Biology, 2009, 333, 37-47.	2.0	67
8	unc-45 gene ofCaenorhabditis elegans encodes a muscle-specific tetratricopeptide repeat-containing protein. Cytoskeleton, 1999, 42, 163-177.	4.4	54
9	Sex-determination gene and pathway evolution in nematodes. BioEssays, 2003, 25, 221-231.	2.5	41
10	The Unc-119 Family of Neural Proteins is Functionally Conserved Between Humans,DrosophilaandC. Elegans. Journal of Neurogenetics, 2000, 13, 191-212.	1.4	40
11	The titin A-band rod domain is dispensable for initial thick filament assembly in zebrafish. Developmental Biology, 2014, 387, 93-108.	2.0	37
12	Ontogeny and regulation of matrix metalloproteinase activity in the zebrafish embryo by in vitro and in vivo zymography. Developmental Biology, 2005, 286, 405-414.	2.0	35
13	The myosin chaperone UNC45B is involved in lens development and autosomal dominant juvenile cataract. European Journal of Human Genetics, 2014, 22, 1290-1297.	2.8	31
14	UNC-119 homolog required for normal development of the zebrafish nervous system. Genesis, 2004, 40, 223-230.	1.6	28
15	Evolution of the PP2C Family in Caenorhabditis: Rapid Divergence of the Sex-Determining Protein FEM-2. Journal of Molecular Evolution, 2002, 54, 267-282.	1.8	27
16	Unc45b is essential for early myofibrillogenesis and costamere formation in zebrafish. Developmental Biology, 2014, 390, 26-40.	2.0	27
17	Myosin Assembly, Maintenance and Degradation in Muscle: Role of the Chaperone UNC-45 in Myosin Thick Filament Dynamics. International Journal of Molecular Sciences, 2008, 9, 1863-1875.	4.1	25
18	Lack of Developmental Redundancy between Unc45 Proteins in Zebrafish Muscle Development. PLoS ONE, 2012, 7, e48861.	2.5	22

#	Article	IF	Citations
19	At the Start of the Sarcomere: A Previously Unrecognized Role for Myosin Chaperones and Associated Proteins during Early Myofibrillogenesis. Biochemistry Research International, 2012, 2012, 1-16.	3.3	19
20	Conspecific and Interspecific Interactions Between the FEM-2 and the FEM-3 Sex-Determining Proteins Despite Rapid Sequence Divergence. Journal of Molecular Evolution, 2006, 62, 281-291.	1.8	14
21	A Titan but not Necessarily a Ruler: Assessing the Role of Titin During Thick Filament Patterning and Assembly. Anatomical Record, 2014, 297, 1604-1614.	1.4	13
22	Cellular Differentiation in Primary Cell Cultures from Single Zebrafish Embryos as a Model for the Study of Myogenesis. Zebrafish, 2010, 7, 255-266.	1.1	12
23	Still Heart Encodes a Structural HMT, SMYD1b, with Chaperone-Like Function during Fast Muscle Sarcomere Assembly. PLoS ONE, 2015, 10, e0142528.	2.5	12
24	Myomesin is part of an integrity pathway that responds to sarcomere damage and disease. PLoS ONE, 2019, 14, e0224206.	2.5	12
25	NovelCaenorhabditis elegans unc-119 axon outgrowth defects correlate with behavioral phenotypes that are partially rescued by nonneural unc-119. Genesis, 2005, 42, 104-116.	1.6	7
26	Coordinating the uncoordinated: UNC119 trafficking in cilia. European Journal of Cell Biology, 2017, 96, 643-652.	3.6	7
27	Expression of a Drosophila melanogaster amber suppressor tRNASer in Caenorhabditis elegans. Molecular Genetics and Genomics, 1993, 241-241, 26-32.	2.4	5
28	Evolution and expression of the zebrafish unc119 paralogues indicates a conserved role in cilia. Gene Expression Patterns, 2019, 33, 1-10.	0.8	0