Talila Volk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4215440/publications.pdf

Version: 2024-02-01

30 papers	1,254 citations	471509 17 h-index	454955 30 g-index
77 all docs	77 docs citations	77 times ranked	1359 citing authors

#	Article	IF	Citations
1	Connecting muscles to tendons: tendons and musculoskeletal development in flies and vertebrates. Development (Cambridge), 2010, 137, 2807-2817.	2.5	216
2	Organelle positioning in muscles requires cooperation between two KASH proteins and microtubules. Journal of Cell Biology, 2012, 198, 833-846.	5.2	119
3	Kakapo, a Novel Cytoskeletal-associated Protein Is Essential for the Restricted Localization of the Neuregulin-like Factor, Vein, at the Muscleâ€“Tendon Junction Site. Journal of Cell Biology, 1998, 143, 1259-1270.	5.2	118
4	Shortstop Recruits EB1/APC1 and Promotes Microtubule Assembly at the Muscle-Tendon Junction. Current Biology, 2003, 13, 1086-1095.	3.9	104
5	Thrombospondin-mediated adhesion is essential for the formation of the myotendinous junction in Drosophila. Development (Cambridge), 2007, 134, 1269-1278.	2.5	86
6	Mechanotransduction via the LINC complex regulates DNA replication in myonuclei. Journal of Cell Biology, 2018, 217, 2005-2018.	5.2	62
7	Nesprin provides elastic properties to muscle nuclei by cooperating with spectraplakin and EB1. Journal of Cell Biology, 2015, 209, 529-538.	5.2	60
8	Mesoscale phase separation of chromatin in the nucleus. ELife, 2021, 10, .	6.0	53
9	Live imaging of chromatin distribution reveals novel principles of nuclear architecture and chromatin compartmentalization. Science Advances, 2021, 7, .	10.3	52
10	Muscle-dependent maturation of tendon cells is induced by post-transcriptional regulation of stripeA. Development (Cambridge), 2007, 134, 347-356.	2.5	50
11	Tissue development and RNA control: â€œHOWâ€•is it coordinated?. Trends in Genetics, 2008, 24, 94-101.	6.7	44
12	Thrombospondin expression in myofibers stabilizes muscle membranes. ELife, 2016, 5, .	6.0	41
13	LRT, a tendon-specific leucine-rich repeat protein, promotes muscle-tendon targeting through its interaction with Robo. Development (Cambridge), 2009, 136, 3607-3615.	2.5	38
14	Multiplexin Promotes Heart but Not Aorta Morphogenesis by Polarized Enhancement of Slit/Robo Activity at the Heart Lumen. PLoS Genetics, 2013, 9, e1003597.	3.5	33
15	Positioning nuclei within the cytoplasm of striated muscle fiber. Nucleus, 2013, 4, 18-22.	2.2	29
16	Phosphorylation of the Drosophila melanogaster RNAâ€“Binding Protein HOW by MAPK/ERK Enhances Its Dimerization and Activity. PLoS Genetics, 2012, 8, e1002632.	3.5	26
17	Slit cleavage is essential for producing an active, stable, non-diffusible short-range signal that guides muscle migration. Development (Cambridge), 2015, 142, 1431-6.	2.5	23
18	A non-signaling role of Robo2 in tendons is essential for Slit processing and muscle patterning. Development (Cambridge), 2015, 142, 3512-8.	2.5	22

#	Article	IF	Citations
19	A minimal constraint device for imaging nuclei in liveDrosophilacontractile larval muscles reveals novel nuclear mechanical dynamics. Lab on A Chip, 2020, 20, 2100-2112.	6.0	11
20	Escort cell encapsulation of Drosophila germline cells is maintained by irre cell recognition module proteins. Biology Open, 2019, 8, .	1.2	10
21	Fine tuning cellular recognition. Cell Adhesion and Migration, 2010, 4, 368-371.	2.7	8
22	Amontillado is required forDrosophilaSlit processing and for tendon-mediated muscle patterning. Biology Open, 2016, 5, 1530-1534.	1.2	8
23	M-alpha2/delta promotes myonuclear positioning and association with the sarcoplasmic-reticulum. Development (Cambridge), 2018, 145, .	2.5	6
24	Recruitment of BAF to the nuclear envelope couples the LINC complex to endoreplication. Development (Cambridge), 2020, 147, .	2.5	6
25	Composite biopolymer scaffolds shape muscle nucleus: Insights and perspectives from Drosophila. Bioarchitecture, 2015, 5, 35-43.	1.5	5
26	Cleaved Slit directs embryonic muscles. Fly, 2015, 9, 82-85.	1.7	4
27	Building functional units of movement-generation and movement-sensation in the embryo. International Journal of Developmental Biology, 2017, 61, 171-178.	0.6	4
28	Protection of muscle nuclei. Oncotarget, 2015, 6, 23046-23047.	1.8	4
29	Evaluation of chromatin mesoscale organization. APL Bioengineering, 2022, 6, 010902.	6.2	4
30	Drosophila star proteins: what can be learned from flies?. Advances in Experimental Medicine and Biology, 2010, 693, 93-105.	1.6	4