Talila Volk

List of Publications by Year
in descending order

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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	Evaluation of chromatin mesoscale organization. APL Bioengineering, 2022, 6, 010902.	6.2	4
2	Mesoscale phase separation of chromatin in the nucleus. ELife, 2021, 10, .	6.0	53
3	Live imaging of chromatin distribution reveals novel principles of nuclear architecture and chromatin compartmentalization. Science Advances, 2021, 7, .	10.3	52
4	Recruitment of BAF to the nuclear envelope couples the LINC complex to endoreplication. Development (Cambridge), 2020, 147, .	2.5	6
5	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
6	Escort cell encapsulation of Drosophila germline cells is maintained by irre cell recognition module proteins. Biology Open, 2019, 8, .	1.2	10
7	Mechanotransduction via the LINC complex regulates DNA replication in myonuclei. Journal of Cell Biology, 2018, 217, 2005-2018.	5.2	62
8	M-alpha2/delta promotes myonuclear positioning and association with the sarcoplasmic-reticulum. Development (Cambridge), 2018, 145, .	2.5	6
9	Building functional units of movement-generation and movement-sensation in the embryo. International Journal of Developmental Biology, 2017, 61, 171-178.	0.6	4
10	Amontillado is required forDrosophilaSlit processing and for tendon-mediated muscle patterning. Biology Open, 2016, 5, 1530-1534.	1.2	8
11	Thrombospondin expression in myofibers stabilizes muscle membranes. ELife, 2016, 5, .	6.0	41
12	Cleaved Slit directs embryonic muscles. Fly, 2015, 9, 82-85.	1.7	4
13	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
14	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
15	Nesprin provides elastic properties to muscle nuclei by cooperating with spectraplakin and EB1. Journal of Cell Biology, 2015, 209, 529-538.	5.2	60
16	Composite biopolymer scaffolds shape muscle nucleus: Insights and perspectives from Drosophila. Bioarchitecture, 2015, 5, 35-43.	1.5	5
17	Protection of muscle nuclei. Oncotarget, 2015, 6, 23046-23047.	1.8	4
18	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

#	Article	IF	Citations
19	Positioning nuclei within the cytoplasm of striated muscle fiber. Nucleus, 2013, 4, 18-22.	2.2	29
20	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
21	Organelle positioning in muscles requires cooperation between two KASH proteins and microtubules. Journal of Cell Biology, 2012, 198, 833-846.	5.2	119
22	Connecting muscles to tendons: tendons and musculoskeletal development in flies and vertebrates. Development (Cambridge), 2010, 137, 2807-2817.	2.5	216
23	Fine tuning cellular recognition. Cell Adhesion and Migration, 2010, 4, 368-371.	2.7	8
24	Drosophila star proteins: what can be learned from flies?. Advances in Experimental Medicine and Biology, 2010, 693, 93-105.	1.6	4
25	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
26	Tissue development and RNA control: â€œHOWâ€•is it coordinated?. Trends in Genetics, 2008, 24, 94-101.	6.7	44
27	Muscle-dependent maturation of tendon cells is induced by post-transcriptional regulation of stripeA. Development (Cambridge), 2007, 134, 347-356.	2.5	50
28	Thrombospondin-mediated adhesion is essential for the formation of the myotendinous junction in Drosophila. Development (Cambridge), 2007, 134, 1269-1278.	2.5	86
29	Shortstop Recruits EB1/APC1 and Promotes Microtubule Assembly at the Muscle-Tendon Junction. Current Biology, 2003, 13, 1086-1095.	3.9	104
30	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