Frieder Schock

List of Publications by Year
in descending order

38 papers	1,616 citations	304743 22 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	2092 citing authors

#	Article	IF	Citations
1	Commentary: Nanoscopy reveals the layered organization of the sarcomeric H-zone and I-band complexes. Frontiers in Cell and Developmental Biology, 2020, 8, 74.	3.7	3
2	Characterizing the actin-binding ability of Zasp52 and its contribution to myofibril assembly. PLoS ONE, 2020, 15, e0232137.	2.5	8
3	Bimolecular Fluorescence Complementation (BiFC) for Studying Sarcomeric Protein Interactions in Drosophila. Bio-protocol, 2020, 10, e3569.	0.4	3
4	Characterizing the actin-binding ability of Zasp52 and its contribution to myofibril assembly. , 2020, 15, e0232137.		0
5	Characterizing the actin-binding ability of Zasp52 and its contribution to myofibril assembly. , 2020, 15, e0232137.		0
6	Characterizing the actin-binding ability of Zasp52 and its contribution to myofibril assembly. , 2020, 15, e0232137.		0
7	Characterizing the actin-binding ability of Zasp52 and its contribution to myofibril assembly. , 2020, 15, e0232137.		0
8	Slik phosphorylation of talin T152 is crucial for proper talin recruitment and maintenance of muscle attachment in <i>Drosophila</i>. Development (Cambridge), 2019, 146, .	2.5	8
9	Different Evolutionary Trajectories of Two Insect-Specific Paralogous Proteins Involved in Stabilizing Muscle Myofibrils. Genetics, 2019, 212, 743-755.	2.9	13
10	Myofibril diameter is set by a finely tuned mechanism of protein oligomerization in Drosophila. ELife, 2019, 8, .	6.0	27
11	Filamin actin-binding and titin-binding fulfill distinct functions in Z-disc cohesion. PLoS Genetics, 2017, 13, e1006880.	3.5	40
12	Rapid IFM Dissection for Visualizing Fluorescently Tagged Sarcomeric Proteins. Bio-protocol, 2017, 7, .	0.4	16
13	Zasp52, a Core Z-disc Protein in Drosophila Indirect Flight Muscles, Interacts with Î±-Actinin via an Extended PDZ Domain. PLoS Genetics, 2016, 12, e1006400.	3.5	31
14	The nebulin repeat protein Lasp regulates I-band architecture and filament spacing in myofibrils. Journal of Cell Biology, 2014, 206, 559-572.	5.2	43
15	Talin Autoinhibition Is Required for Morphogenesis. Current Biology, 2013, 23, 1825-1833.	3.9	43
16	Alp/Enigma Family Proteins Cooperate in Z-Disc Formation and Myofibril Assembly. PLoS Genetics, 2013, 9, e1003342.	3.5	48
17	The function of the M-line protein, obscurin, in controlling the symmetry of the sarcomere in Drosophila flight muscle. Journal of Cell Science, 2012, 125, 3367-79.	2.0	58
18	Zasp regulates integrin activation. Journal of Cell Science, 2012, 125, 5647-57.	2.0	17

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19	Muscle type-specific expression of Zasp52 isoforms in Drosophila. Gene Expression Patterns, 2011, 11, 484-490.	0.8	19
20	Comparative RNAi screening identifies a conserved core metazoan actinome by phenotype. Journal of Cell Biology, 2011, 194, 789-805.	5.2	57
21	Pellino enhances innate immunity in Drosophila. Mechanisms of Development, 2010, 127, 301-307.	1.7	42
22	Molecular mechanisms of mechanosensing in muscle development. Developmental Dynamics, 2009, 238, 1526-1534.	1.8	19
23	The initial steps of myofibril assembly: integrins pave the way. Nature Reviews Molecular Cell Biology, 2009, 10, 293-298.	37.0	153
24	Lasp anchors the Drosophila male stem cell niche and mediates spermatid individualization. Mechanisms of Development, 2008, 125, 768-776.	1.7	42
25	Zasp is required for the assembly of functional integrin adhesion sites. Journal of Cell Biology, 2007, 179, 1583-1597.	5.2	100
26	Integrin-Dependent Apposition of Drosophila Extraembryonic Membranes Promotes Morphogenesis and Prevents Anoikis. Current Biology, 2004, 14, 372-380.	3.9	100
27	mBtd is required to maintain signaling during murine limb development. Genes and Development, 2003, 17, 2630-2635.	5.9	53
28	Cellular Processes Associated with Germ Band Retraction in Drosophila. Developmental Biology, 2002, 248, 29-39.	2.0	82
29	Molecular Mechanisms of Epithelial Morphogenesis. Annual Review of Cell and Developmental Biology, 2002, 18, 463-493.	9.4	215
30	Analysis of twenty-four Gal4 lines inDrosophila melanogaster. Genesis, 2002, 34, 51-57.	1.6	102
31	Phenotypic suppression of empty spiracles is prevented by buttonhead. Nature, 2000, 405, 351-354.	27.8	32
32	Drosophila head segmentation factor Buttonhead interacts with the same TATA box-binding protein-associated factors and in vivo DNA targets as human Sp1 but executes a different biological program. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5061-5065.	7.1	11
33	Common and diverged functions of the Drosophila gene pair D-Sp1 and buttonhead. Mechanisms of Development, 1999, 89, 125-132.	1.7	40
34	Molecular analysis of the interaction between the Bacillus subtilis trehalose repressor TreR and the tre operator. Molecular Genetics and Genomics, 1998, 260, 48-55.	2.4	22
35	A cascade of transcriptional control leading to axis determination inDrosophila. , 1997, 173, 162-167.		25
36	Vectors using the phospho-Î±-(1,1)-glucosidase-encoding gene treA of Bacillus subtilis as a reporter. Gene, 1996, 170, 77-80.	2.2	14

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37	Analysis of DNA flanking the treA gene of Bacillus subtilis reveals genes encoding a putative specific enzyme II Tre and a potential regulator of the trehalose operon. Gene, 1996, 175, 59-63.	2.2	28
38	Expression of the tre operon of Bacillus subtilis 168 is regulated by the repressor TreR. Journal of Bacteriology, 1996, 178, 4576-4581.	2.2	41