

Stephan Lange

List of Publications by Year in descending order

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54
papers

3,573
citations

186209

28
h-index

182361

51
g-index

54
all docs

54
docs citations

54
times ranked

4723
citing authors

#	ARTICLE	IF	CITATIONS
1	The Kinase Domain of Titin Controls Muscle Gene Expression and Protein Turnover. <i>Science</i> , 2005, 308, 1599-1603.	6.0	524
2	Subcellular targeting of metabolic enzymes to titin in heart muscle may be mediated by DRAL/FHL-2. <i>Journal of Cell Science</i> , 2002, 115, 4925-4936.	1.2	230
3	Simple and High Yielding Method for Preparing Tissue Specific Extracellular Matrix Coatings for Cell Culture. <i>PLoS ONE</i> , 2010, 5, e13039.	1.1	217
4	An FHL1-containing complex within the cardiomyocyte sarcomere mediates hypertrophic biomechanical stress responses in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3870-3880.	3.9	211
5	Interactions with titin and myomesin target obscurin and obscurin-like 1 to the M-band – implications for hereditary myopathies. <i>Journal of Cell Science</i> , 2008, 121, 1841-1851.	1.2	168
6	Palindromic assembly of the giant muscle protein titin in the sarcomeric Z-disk. <i>Nature</i> , 2006, 439, 229-233.	13.7	166
7	From A to Z and back? Multicompartment proteins in the sarcomere. <i>Trends in Cell Biology</i> , 2006, 16, 11-18.	3.6	163
8	Nesprin 1 is critical for nuclear positioning and anchorage. <i>Human Molecular Genetics</i> , 2010, 19, 329-341.	1.4	131
9	Isolation and Culture of Neonatal Mouse Cardiomyocytes. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	121
10	Obscurin determines the architecture of the longitudinal sarcoplasmic reticulum. <i>Journal of Cell Science</i> , 2009, 122, 2640-2650.	1.2	120
11	Loss-of-function mutations in co-chaperone BAG3 destabilize small HSPs and cause cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3189-3200.	3.9	107
12	Formin follows function: a muscle-specific isoform of FHOD3 is regulated by CK2 phosphorylation and promotes myofibril maintenance. <i>Journal of Cell Biology</i> , 2010, 191, 1159-1172.	2.3	102
13	A Novel Mechanism Involving Four-and-a-half LIM Domain Protein-1 and Extracellular Signal-regulated Kinase-2 Regulates Titin Phosphorylation and Mechanics. <i>Journal of Biological Chemistry</i> , 2012, 287, 29273-29284.	1.6	89
14	M-band: a safeguard for sarcomere stability?. <i>Journal of Muscle Research and Cell Motility</i> , 2003, 24, 191-203.	0.9	78
15	Myomesin 3, a Novel Structural Component of the M-band in Striated Muscle. <i>Journal of Molecular Biology</i> , 2008, 376, 338-351.	2.0	72
16	The M-band: The underestimated part of the sarcomere. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118440.	1.9	70
17	Dimerisation of Myomesin: Implications for the Structure of the Sarcomeric M-band. <i>Journal of Molecular Biology</i> , 2005, 345, 289-298.	2.0	69
18	Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. <i>Journal of Cell Biology</i> , 2013, 200, 523-536.	2.3	63

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19	Obscurin and KCTD6 regulate cullin-dependent small ankyrin-1 (sAnk1.5) protein turnover. <i>Molecular Biology of the Cell</i> , 2012, 23, 2490-2504.	0.9	60
20	MLP and CARP are linked to chronic PKC δ signalling in dilated cardiomyopathy. <i>Nature Communications</i> , 2016, 7, 12120.	5.8	58
21	Thymosin Beta 4 Is Dispensable for Murine Cardiac Development and Function. <i>Circulation Research</i> , 2012, 110, 456-464.	2.0	57
22	Cyclic stretch of embryonic cardiomyocytes increases proliferation, growth, and expression while repressing Tgf- β signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 133-144.	0.9	56
23	PKC and PKN in heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 128, 212-226.	0.9	50
24	Increasing in on the Role of Cypher in Striated Muscle Function, Signaling, and Human Disease. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 258-262.	2.3	47
25	Cypher/ZASP Is a Novel A-kinase Anchoring Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 29403-29413.	1.6	39
26	Molecular basis of the C-terminal tail-to-tail assembly of the sarcomeric filament protein myomesin. <i>EMBO Journal</i> , 2008, 27, 253-264.	3.5	33
27	Probing Muscle Ankyrin-Repeat Protein (MARP) Structure and Function. <i>Anatomical Record</i> , 2014, 297, 1615-1629.	0.8	33
28	Exercise-induced alterations and loss of sarcomeric M-line organization in the diaphragm muscle of obscurin knockout mice. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C16-C28.	2.1	32
29	Breaking down protein degradation mechanisms in cardiac muscle. <i>Trends in Molecular Medicine</i> , 2013, 19, 239-249.	3.5	31
30	The sarcomeric M-band during development and in disease. <i>Journal of Muscle Research and Cell Motility</i> , 2006, 26, 375-379.	0.9	29
31	Rigid Conformation of an Immunoglobulin Domain Tandem Repeat in the A-band of the Elastic Muscle Protein Titin. <i>Journal of Molecular Biology</i> , 2007, 371, 469-480.	2.0	26
32	miR-486 is modulated by stretch and increases ventricular growth. <i>JCI Insight</i> , 2019, 4, .	2.3	26
33	Evidence for a dimeric assembly of two titin/telethonin complexes induced by the telethonin C-terminus. <i>Journal of Structural Biology</i> , 2006, 155, 239-250.	1.3	25
34	Cullin E3 Ligase Activity Is Required for Myoblast Differentiation. <i>Journal of Molecular Biology</i> , 2017, 429, 1045-1066.	2.0	23
35	Challenges in PhD education due to COVID-19 - disrupted supervision or business as usual: a cross-sectional survey of Swedish biomedical sciences graduate students. <i>BMC Medical Education</i> , 2021, 21, 294.	1.0	23
36	Molecular Characterisation of Titin N2A and Its Binding of CARP Reveals a Titin/Actin Cross-linking Mechanism. <i>Journal of Molecular Biology</i> , 2021, 433, 166901.	2.0	22

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37	Murine obscurin and Obsl1 have functionally redundant roles in sarcolemmal integrity, sarcoplasmic reticulum organization, and muscle metabolism. <i>Communications Biology</i> , 2019, 2, 178.	2.0	20
38	Mutant Muscle LIM Protein C58G causes cardiomyopathy through protein depletion. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 121, 287-296.	0.9	19
39	Comparative analysis of obesity-related cardiometabolic and renal biomarkers in human plasma and serum. <i>Scientific Reports</i> , 2019, 9, 15385.	1.6	19
40	Desmosomal COP9 regulates proteome degradation in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	18
41	Exploration of pathomechanisms triggered by a single-nucleotide polymorphism in titin's I-band: the cardiomyopathy-linked mutation T2580I. <i>Open Biology</i> , 2016, 6, 160114.	1.5	17
42	Cypher and Enigma Homolog Protein Are Essential for Cardiac Development and Embryonic Survival. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	15
43	Cullin-3-dependent deregulation of ACTN1 represents a pathogenic mechanism in nemaline myopathy. <i>JCI Insight</i> , 2019, 4, .	2.3	14
44	The titin N2B and N2A regions: biomechanical and metabolic signaling hubs in cross-striated muscles. <i>Biophysical Reviews</i> , 2021, 13, 653-677.	1.5	14
45	Reply: Hereditary myopathy with early respiratory failure is caused by mutations in the titin FN3 119 domain. <i>Brain</i> , 2014, 137, e279-e279.	3.7	13
46	Exploring Obscurin and SPEG Kinase Biology. <i>Journal of Clinical Medicine</i> , 2021, 10, 984.	1.0	12
47	The N2A region of titin has a unique structural configuration. <i>Journal of General Physiology</i> , 2021, 153, .	0.9	12
48	Cathepsins in heart disease—chewing on the heartache?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H974-H976.	1.5	9
49	The Role of Cullin-RING Ligases in Striated Muscle Development, Function, and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7936.	1.8	9
50	Impaired Intracellular Ca ²⁺ Dynamics, M-Band and Sarcomere Fragility in Skeletal Muscles of Obscurin KO Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1319.	1.8	7
51	Lipoxins reduce obesity-induced adipose tissue inflammation in 3D-cultured human adipocytes and explant cultures. <i>IScience</i> , 2022, 25, 104602.	1.9	4
52	Formin follows function: a muscle-specific isoform of FHOD3 is regulated by CK2 phosphorylation and promotes myofibril maintenance. <i>Journal of General Physiology</i> , 2011, 137, i1-i1.	0.9	0
53	Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. <i>Journal of General Physiology</i> , 2013, 141, i9-i9.	0.9	0
54	Cardiac Cytoarchitecture: How to Maintain a Working Heart—Waste Disposal and Recycling in Cardiomyocytes. , 2015, , 245-309.		0