

Mark R Holt

List of Publications by Year in descending order

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43
papers

3,114
citations

236925

25
h-index

302126

39
g-index

47
all docs

47
docs citations

47
times ranked

4644
citing authors

#	ARTICLE	IF	CITATIONS
1	Making sense of missense variants in TTN-related congenital myopathies. <i>Acta Neuropathologica</i> , 2021, 141, 431-453.	7.7	34
2	Electrical stimulation applied during differentiation drives the hiPSC-CMs towards a mature cardiac conduction-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 376-382.	2.1	17
3	Individual Limb Muscle Bundles Are Formed through Progressive Steps Orchestrated by Adjacent Connective Tissue Cells during Primary Myogenesis. <i>Cell Reports</i> , 2020, 30, 3552-3565.e6.	6.4	22
4	SUN1/2 Are Essential for RhoA/ROCK-Regulated Actomyosin Activity in Isolated Vascular Smooth Muscle Cells. <i>Cells</i> , 2020, 9, 132.	4.1	22
5	Impairments in contractility and cytoskeletal organisation cause nuclear defects in nemaline myopathy. <i>Acta Neuropathologica</i> , 2019, 138, 477-495.	7.7	25
6	Loss of Protein Kinase Novel 1 (PKN1) is associated with mild systolic and diastolic contractile dysfunction, increased phospholamban Thr17 phosphorylation, and exacerbated ischaemia-reperfusion injury. <i>Cardiovascular Research</i> , 2018, 114, 138-157.	3.8	17
7	Binding of Myomesin to Obscurin-Like-1 at the Muscle M-Band Provides a Strategy for Isoform-Specific Mechanical Protection. <i>Structure</i> , 2017, 25, 107-120.	3.3	25
8	Prelamin A Accumulation Attenuates Rac1 Activity and Increases the Intrinsic Migrational Persistence of Aged Vascular Smooth Muscle Cells. <i>Cells</i> , 2016, 5, 41.	4.1	15
9	Structural insight into the Phosphoinositide-Regulated Cellular Dynamics of Alpha-Actinin. <i>Biophysical Journal</i> , 2015, 108, 16a.	0.5	0
10	L-selectin shedding is activated specifically within transmigrating pseudopods of monocytes to regulate cell polarity in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1461-70.	7.1	54
11	A novel role for atypical MAPK kinase ERK3 in regulating breast cancer cell morphology and migration. <i>Cell Adhesion and Migration</i> , 2015, 9, 483-494.	2.7	55
12	The Crystal Structure of the Human Titin:Obscurin Complex Reveals a Conserved yet Specific Muscle M-Band Zipper Module. <i>Journal of Molecular Biology</i> , 2015, 427, 718-736.	4.2	20
13	Phosphoregulation of the Titin-cap Protein Telethonin in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 1282-1293.	3.4	32
14	The Structure and Regulation of Human Muscle β -Actinin. <i>Cell</i> , 2014, 159, 1447-1460.	28.9	178
15	Mapping the self-association domains of ataxin-1: identification of novel non overlapping motifs. <i>PeerJ</i> , 2014, 2, e323.	2.0	8
16	PAK4 kinase activity and somatic mutation promote carcinoma cell motility and influence inhibitor sensitivity. <i>Oncogene</i> , 2013, 32, 2114-2120.	5.9	42
17	β 1 integrins regulate CD151 complex assembly and membrane dynamics in carcinoma cells within 3D environments. <i>Oncogene</i> , 2013, 32, 3965-3979.	5.9	19
18	The importance of serine 776 in Ataxin-1 partner selection: A FRET Analysis. <i>Scientific Reports</i> , 2012, 2, 919.	3.3	12

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19	Isoforms of protein 4.1 are differentially distributed in heart muscle cells: Relation of 4.1R and 4.1G to components of the Ca ²⁺ homeostasis system. <i>Experimental Cell Research</i> , 2012, 318, 1467-1479.	2.6	15
20	Developmental regulation of MURF ubiquitin ligases and autophagy proteins nbr1, p62/SQSTM1 and LC3 during cardiac myofibril assembly and turnover. <i>Developmental Biology</i> , 2011, 351, 46-61.	2.0	57
21	Structural insight into M-band assembly and mechanics from the titin-obscurin-like-1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2908-2913.	7.1	60
22	Diminished sarco/endoplasmic reticulum Ca ²⁺ -ATPase (SERCA) expression contributes to airway remodelling in bronchial asthma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10775-10780.	7.1	136
23	Defects in cell spreading and ERK1/2 activation in fibroblasts with lamin A/C mutations. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 810-821.	3.8	39
24	Quantifying cell-matrix adhesion dynamics in living cells using interference reflection microscopy. <i>Journal of Microscopy</i> , 2008, 232, 73-81.	1.8	43
25	Directional migration of neural crest cells in vivo is regulated by Syndecan-4/Rac1 and non-canonical Wnt signaling/RhoA. <i>Development (Cambridge)</i> , 2008, 135, 1771-1780.	2.5	253
26	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.	2.0	168
27	Focal adhesion kinase controls actin assembly via a FERM-mediated interaction with the Arp2/3 complex. <i>Nature Cell Biology</i> , 2007, 9, 1046-1056.	10.3	229
28	Role of vinculin in regulating focal adhesion turnover. <i>European Journal of Cell Biology</i> , 2006, 85, 487-500.	3.6	160
29	WIP Regulates the Stability and Localization of WASP to Podosomes in Migrating Dendritic Cells. <i>Current Biology</i> , 2006, 16, 2337-2344.	3.9	114
30	PTEN couples Sema3A signalling to growth cone collapse. <i>Journal of Cell Science</i> , 2006, 119, 951-957.	2.0	124
31	Vinculin acts as a sensor in lipid regulation of adhesion-site turnover. <i>Journal of Cell Science</i> , 2005, 118, 1461-1472.	2.0	108
32	Fluorescence Localization After Photobleaching (FLAP). , 2004, Chapter 21, Unit 21.2.		6
33	Rapid Actin Transport During Cell Protrusion. <i>Science</i> , 2003, 300, 142-145.	12.6	160
34	Continual Production of Phosphatidic Acid by Phospholipase D Is Essential for Antigen-stimulated Membrane Ruffling in Cultured Mast Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 3730-3746.	2.1	98
35	Fluorescence localization after photobleaching (FLAP): a new method for studying protein dynamics in living cells. <i>Journal of Microscopy</i> , 2002, 205, 109-112.	1.8	57
36	Cell motility: proline-rich proteins promote protrusions. <i>Trends in Cell Biology</i> , 2001, 11, 38-46.	7.9	175

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37	Rho GTPases: Secretion and actin dynamics in permeabilized mast cells. <i>Methods in Enzymology</i> , 2000, 325, 356-369.	1.0	2
38	Calcium/Calmodulin-dependent Phosphorylation and Activation of Human Cdc25-C at the G2/M Phase Transition in HeLa Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 7958-7968.	3.4	123
39	Molecules in focus The focal adhesion phosphoprotein, VASP. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 307-311.	2.8	45
40	ARF1 Mediates Paxillin Recruitment to Focal Adhesions and Potentiates Rho-stimulated Stress Fiber Formation in Intact and Permeabilized Swiss 3T3 Fibroblasts. <i>Journal of Cell Biology</i> , 1998, 143, 1981-1995.	5.2	146
41	The focal-adhesion vasodilator-stimulated phosphoprotein (VASP) binds to the proline-rich domain in vinculin. <i>Biochemical Journal</i> , 1996, 318, 753-757.	3.7	188
42	Using Bioprobes to Follow Protein Dynamics in Living Cells. , 0, , 117-134.		1
43	AMPK is a Mechano-Metabolic Sensor Linking Mitochondrial Dynamics to Myosin II Dependent Cell Migration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1