

Michelle Peckham

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4193373/michelle-peckham-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

2,988

citations

31

h-index

53

g-index

108

ext. papers

3,459

ext. citations

6.3

avg, IF

4.97

L-index

#	Paper	IF	Citations
88	Myogenic cell lines derived from transgenic mice carrying a thermolabile T antigen: a model system for the derivation of tissue-specific and mutation-specific cell lines. <i>Developmental Biology</i> , 1994 , 162, 486-98	3.1	241
87	Differential trafficking of Kif5c on tyrosinated and detyrosinated microtubules in live cells. <i>Journal of Cell Science</i> , 2008 , 121, 1085-95	5.3	168
86	The predicted coiled-coil domain of myosin 10 forms a novel elongated domain that lengthens the head. <i>Journal of Biological Chemistry</i> , 2005 , 280, 34702-8	5.4	131
85	Physiological properties of the dorsal longitudinal flight muscle and the tergal depressor of the trochanter muscle of <i>Drosophila melanogaster</i> . <i>Journal of Muscle Research and Cell Motility</i> , 1990 , 11, 203-15	3.5	123
84	Affimer proteins are versatile and renewable affinity reagents. <i>ELife</i> , 2017 , 6,	8.9	103
83	Dimerization of mammalian kinesin-3 motors results in superprocessive motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5562-7	11.5	98
82	Visualizing single molecules inside living cells using total internal reflection fluorescence microscopy. <i>Methods</i> , 2003 , 29, 142-52	4.6	98
81	Different regional effects of voluntary exercise on the mechanical and electrical properties of rat ventricular myocytes. <i>Journal of Physiology</i> , 2002 , 541, 863-75	3.9	93
80	A FERM domain autoregulates <i>Drosophila</i> myosin 7a activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4189-94	11.5	83
79	TMEM107 recruits ciliopathy proteins to subdomains of the ciliary transition zone and causes Joubert syndrome. <i>Nature Cell Biology</i> , 2016 , 18, 122-31	23.4	81
78	Non-muscle myosins 2A and 2B drive changes in cell morphology that occur as myoblasts align and fuse. <i>Journal of Cell Science</i> , 2006 , 119, 3561-70	5.3	72
77	Alignment of myoblasts on ultrafine gratings inhibits fusion in vitro. <i>International Journal of Biochemistry and Cell Biology</i> , 2002 , 34, 816-25	5.6	71
76	The spatial and temporal dynamics of pleckstrin homology domain binding at the plasma membrane measured by imaging single molecules in live mouse myoblasts. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15274-80	5.4	68
75	LOX-1 scavenger receptor mediates calcium-dependent recognition of phosphatidylserine and apoptotic cells. <i>Biochemical Journal</i> , 2006 , 393, 107-15	3.8	67
74	Targeted homozygous deletion of M-band titin in cardiomyocytes prevents sarcomere formation. <i>Journal of Cell Science</i> , 2006 , 119, 4322-31	5.3	66
73	The SAH domain extends the functional length of the myosin lever. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22193-8	11.5	64
72	Specific Myosins Control Actin Organization, Cell Morphology, and Migration in Prostate Cancer Cells. <i>Cell Reports</i> , 2015 , 13, 2118-25	10.6	60

71	Alteration in crossbridge kinetics caused by mutations in actin. <i>Nature</i> , 1990 , 348, 440-2	50.4	60
70	Preferential adhesion to and survival on patterned laminin organizes myogenesis in vitro. <i>Experimental Cell Research</i> , 1997 , 230, 275-83	4.2	58
69	Structural implications of cardiac myosin heavy chain mutations in human disease. <i>Anatomical Record</i> , 2014 , 297, 1670-80	2.1	57
68	Site-Specific Labeling of Affimers for DNA-PAINT Microscopy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11060-11063	16.4	55
67	Specific changes to the mechanism of cell locomotion induced by overexpression of beta-actin. <i>Journal of Cell Science</i> , 2001 , 114, 1367-77	5.3	50
66	Local anesthetics inhibit kinesin motility and microtentacle protrusions in human epithelial and breast tumor cells. <i>Breast Cancer Research and Treatment</i> , 2011 , 129, 691-701	4.4	47
65	The Inner Centromere Protein (INCENP) Coil Is a Single Helix (SAH) Domain That Binds Directly to Microtubules and Is Important for Chromosome Passenger Complex (CPC) Localization and Function in Mitosis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21460-72	5.4	46
64	A targeted deletion of the C-terminal end of titin, including the titin kinase domain, impairs myofibrillogenesis. <i>Journal of Cell Science</i> , 2003 , 116, 4811-9	5.3	44
63	Modulation of cell spreading and cell-substrate adhesion dynamics by dystroglycan. <i>Journal of Cell Science</i> , 2010 , 123, 118-27	5.3	43
62	Stable single helices are constant force springs in proteins. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27825-35	5.4	42
61	Engineering a multi-nucleated myotube, the role of the actin cytoskeleton. <i>Journal of Microscopy</i> , 2008 , 231, 486-93	1.9	38
60	Intranuclear rod myopathy: molecular pathogenesis and mechanisms of weakness. <i>Annals of Neurology</i> , 2007 , 62, 597-608	9.4	34
59	Mechanics and Protein Content of Insect Flight Muscles. <i>Journal of Experimental Biology</i> , 1992 , 168, 57-76	5	34
58	Evidence for differential post-translational modifications of slow myosin heavy chain during murine skeletal muscle development. <i>Journal of Muscle Research and Cell Motility</i> , 2000 , 21, 101-13	3.5	32
57	Constitutive and variable regions of Z-disk titin/connectin in myofibril formation: a dominant-negative screen. <i>Cell Structure and Function</i> , 1997 , 22, 95-101	2.2	31
56	Alternative reagents to antibodies in imaging applications. <i>Biophysical Reviews</i> , 2017 , 9, 299-308	3.7	29
55	Coiled coils and SAH domains in cytoskeletal molecular motors. <i>Biochemical Society Transactions</i> , 2011 , 39, 1142-8	5.1	29
54	Myogenic cells express multiple myosin isoforms. <i>Journal of Muscle Research and Cell Motility</i> , 1997 , 18, 501-15	3.5	28

53	Actin filament organization in aligned prefusion myoblasts. <i>Journal of Anatomy</i> , 2004 , 205, 381-91	2.9	28
52	Hypertrophic cardiomyopathy mutations in the calponin-homology domain of ACTN2 affect actin binding and cardiomyocyte Z-disc incorporation. <i>Biochemical Journal</i> , 2016 , 473, 2485-93	3.8	25
51	Affimer proteins for F-actin: novel affinity reagents that label F-actin in live and fixed cells. <i>Scientific Reports</i> , 2018 , 8, 6572	4.9	24
50	Characterization of long and stable de novo single alpha-helix domains provides novel insight into their stability. <i>Scientific Reports</i> , 2017 , 7, 44341	4.9	23
49	Construction of an instant structured illumination microscope. <i>Methods</i> , 2015 , 88, 37-47	4.6	22
48	Protein engineering and the study of muscle contraction in <i>Drosophila</i> flight muscles. <i>Journal of Cell Science</i> , 1991 , 14, 73-8	5.3	22
47	Functional integrity of the contractile actin cortex is safeguarded by multiple Diaphanous-related formins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3594-3603	11.5	21
46	How myosin organization of the actin cytoskeleton contributes to the cancer phenotype. <i>Biochemical Society Transactions</i> , 2016 , 44, 1026-34	5.1	21
45	Cardiomyopathy mutations in the tail of cardiac myosin modify the coiled-coil structure and affect integration into thick filaments in muscle sarcomeres in adult cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31952-62	5.4	21
44	Labile heat and changes in rate of relaxation of frog muscles. <i>Journal of Physiology</i> , 1986 , 374, 123-35	3.9	21
43	Exploiting nanobodies and Affimers for superresolution imaging in light microscopy. <i>Molecular Biology of the Cell</i> , 2019 , 30, 2737-2740	3.5	20
42	Microtubule proliferation in right ventricular myocytes of rats with monocrotaline-induced pulmonary hypertension. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 56, 91-6	5.8	19
41	Structure of the shutdown state of myosin-2. <i>Nature</i> , 2020 , 588, 515-520	50.4	18
40	A restricted spectrum of missense KMT2D variants cause a multiple malformations disorder distinct from Kabuki syndrome. <i>Genetics in Medicine</i> , 2020 , 22, 867-877	8.1	17
39	A tubulin alpha 8 mouse knockout model indicates a likely role in spermatogenesis but not in brain development. <i>PLoS ONE</i> , 2017 , 12, e0174264	3.7	17
38	Myosin crossbridge orientation in demembranated muscle fibres studied by birefringence and X-ray diffraction measurements. <i>Journal of Molecular Biology</i> , 1989 , 210, 113-26	6.5	17
37	Persistent Replication of a Chikungunya Virus Replicon in Human Cells Is Associated with Presence of Stable Cytoplasmic Granules Containing Nonstructural Protein 3. <i>Journal of Virology</i> , 2018 , 92,	6.6	16
36	Imaging myosin 10 in cells. <i>Biochemical Society Transactions</i> , 2004 , 32, 689-93	5.1	15

35	Histone deacetylase 3 indirectly modulates tubulin acetylation. <i>Biochemical Journal</i> , 2015 , 472, 367-77	3.8	14
34	Cell biochemistry studied by single-molecule imaging. <i>Biochemical Society Transactions</i> , 2006 , 34, 983-8	5.1	14
33	Actin Mutations and Their Role in Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
32	Apolipoprotein(a) acts as a chemorepellent to human vascular smooth muscle cells via integrin $\alpha 5 \beta 1$ and RhoA/ROCK-mediated mechanisms. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 1776-83	5.6	13
31	Heterologous expression of wild-type and mutant beta-cardiac myosin changes the contractile kinetics of cultured mouse myotubes. <i>Journal of Physiology</i> , 2003 , 548, 167-74	3.9	13
30	Human congenital myopathy actin mutants cause myopathy and alter Z-disc structure in <i>Drosophila</i> flight muscle. <i>Neuromuscular Disorders</i> , 2013 , 23, 243-55	2.9	12
29	The sarcomere length dependence of the rate of heat production during isometric tetanic contraction of frog muscles. <i>Journal of Physiology</i> , 1984 , 357, 495-504	3.9	12
28	When a predicted coiled coil is really a single α helix, in myosins and other proteins. <i>Soft Matter</i> , 2009 ,	3.6	10
27	Ortsspezifische Funktionalisierung von Affimeren für die DNA-PAINT-Mikroskopie. <i>Angewandte Chemie</i> , 2018 , 130, 11226-11230	3.6	10
26	A Combination of Diffusion and Active Translocation Localizes Myosin 10 to the Filopodial Tip. <i>Journal of Biological Chemistry</i> , 2016 , 291, 22373-22385	5.4	9
25	Myosin tails and single α helical domains. <i>Biochemical Society Transactions</i> , 2015 , 43, 58-63	5.1	8
24	Disease mutations in striated muscle myosins. <i>Biophysical Reviews</i> , 2020 , 12, 887-894	3.7	6
23	Dynamic ion pair behavior stabilizes single α helices in proteins. <i>Journal of Biological Chemistry</i> , 2019 , 294, 3219-3234	5.4	5
22	Novel murine clonal cell lines either express slow or mixed (fast and slow) muscle markers following differentiation in vitro. <i>Developmental Dynamics</i> , 2008 , 237, 1412-23	2.9	4
21	N232S, G741R and D778G beta-cardiac myosin mutants, implicated in familial hypertrophic cardiomyopathy, do not disrupt myofibrillar organisation in cultured myotubes. <i>FEBS Letters</i> , 2000 , 486, 325-7	3.8	4
20	Imaging individual myosin molecules within living cells. <i>Methods in Molecular Biology</i> , 2011 , 778, 123-42	1.4	4
19	Visualisation and analysis of hepatitis C virus non-structural proteins using super-resolution microscopy. <i>Scientific Reports</i> , 2018 , 8, 13604	4.9	4
18	A novel workflow for three-dimensional analysis of tumour cell migration. <i>Interface Focus</i> , 2020 , 10, 20190070	3.9	3

17	3Rs and biophysics. <i>Biophysical Reviews</i> , 2017 , 9, 277-278	3.7	3
16	Promoting differentiation of cultured myoblasts using biomimetic surfaces that present alpha-laminin-2 peptides. <i>Cytotechnology</i> , 2016 , 68, 2159-69	2.2	3
15	Biological and Molecular Approaches to the Generation of Conditionally Immortal Neural Cells. <i>Methods</i> , 1993 , 3, 189-199		3
14	A1603P and K1617del, Mutations in ECardiac Myosin Heavy Chain that Cause Laing Early-Onset Distal Myopathy, Affect Secondary Structure and Filament Formation In Vitro and In Vivo. <i>Journal of Molecular Biology</i> , 2018 , 430, 1459-1478	6.5	2
13	Forced MyHCIIIB expression following targeted genetic manipulation of conditionally immortalized muscle precursor cells. <i>Experimental Cell Research</i> , 1999 , 253, 523-32	4.2	2
12	Determining Stable Single Alpha Helical (SAH) Domain Properties by Circular Dichroism and Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2018 , 1805, 185-211	1.4	2
11	Nanoscale pattern extraction from relative positions of sparse 3D localisations		1
10	Persistent Chikungunya Virus Replication in Human Cells is Associated with Presence of Stable Cytoplasmic Granules Containing Non-structural Protein 3		1
9	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. <i>Nano Letters</i> , 2021 , 21, 1213-1220	11.5	0
8	Determining Protein Organisation within the Z-Disc Using 3D Super-Resolution Microscopy and Pattern Recognition Analysis.. <i>Microscopy and Microanalysis</i> , 2020 , 26, 128-129	0.5	
7	Cytoskeleton and Cell Motility 2017 , 166-180		
6	Journal club. A cell biologist ponders an outstanding mystery in muscle formation. <i>Nature</i> , 2009 , 458, 1081	50.4	
5	Chapter 7 The cellular and molecular basis of skeletal and cardiac muscle contraction. <i>Principles of Medical Biology</i> , 1996 , 201-237		
4	6th Abercrombie symposium on cell motility. Introduction. <i>Journal of Microscopy</i> , 2008 , 231, 440	1.9	
3	Myosin: Structure, Function, Regulation and Disease. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
2	Moving in the mesoscale: Understanding the mechanics of cytoskeletal molecular motors by combining mesoscale simulations with imaging. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , e1570	7.9	
1	RNA-Seq analysis of a Pax3-expressing myoblast clone in-vitro and effect of culture surface stiffness on differentiation.. <i>Scientific Reports</i> , 2022 , 12, 2841	4.9	