

CITATION REPORT

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Engineering a multi-nucleated myotube, the role of the actin cytoskeleton

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#	Paper	IF	Citations
42	The small G-proteins Rac1 and Cdc42 are essential for myoblast fusion in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8935-40	11.5	107
41	Nap1-mediated actin remodeling is essential for mammalian myoblast fusion. <i>Journal of Cell Science</i> , 2009 , 122, 3282-93	5.3	75
40	Cytoskeletal remodeling during myotube assembly and guidance: coordinating the actin and microtubule networks. <i>Communicative and Integrative Biology</i> , 2009 , 2, 452-7	1.7	28
39	RacGAP50C directs perinuclear gamma-tubulin localization to organize the uniform microtubule array required for Drosophila myotube extension. <i>Development (Cambridge)</i> , 2009 , 136, 1411-21	6.6	24
38	Spatial and functional restriction of regulatory molecules during mammalian myoblast fusion. <i>Experimental Cell Research</i> , 2010 , 316, 3067-72	4.2	39
37	Identification and quantification of skeletal myotube contraction and association in vitro by video microscopy. <i>Cytoskeleton</i> , 2010 , 67, 413-24	2.4	7
36	Myoblast morphology and organization on biochemically micro-patterned hydrogel coatings under cyclic mechanical strain. <i>Biomaterials</i> , 2010 , 31, 250-8	15.6	92
35	ADP-ribosylation factor 6 regulates mammalian myoblast fusion through phospholipase D1 and phosphatidylinositol 4,5-bisphosphate signaling pathways. <i>Molecular Biology of the Cell</i> , 2010 , 21, 2412-245	2.5	34
34	Myoblast fusion: when it takes more to make one. <i>Developmental Biology</i> , 2010 , 341, 66-83	3.1	178
33	Hes6 is required for actin cytoskeletal organization in differentiating C2C12 myoblasts. <i>Experimental Cell Research</i> , 2011 , 317, 1590-602	4.2	10
32	Abnormal actomyosin assembly in proliferating and differentiating myoblasts upon expression of a cytosolic DMPK isoform. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 867-77	4.9	11
31	Nesprin-3 augments peripheral nuclear localization of intermediate filaments in zebrafish. <i>Journal of Cell Science</i> , 2011 , 124, 755-64	5.3	38
30	Skeletal muscle differentiation and fusion are regulated by the BAR-containing Rho-GTPase-activating protein (Rho-GAP), GRAF1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 25903-21	5.4	50
29	Engineering muscle tissues on microstructured polyelectrolyte multilayer films. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1664-76	3.9	34
28	Dorsal and ventral stimuli in sandwich-like microenvironments. Effect on cell differentiation. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3048-58	4.9	14
27	Rigidity-patterned polyelectrolyte films to control myoblast cell adhesion and spatial organization. <i>Advanced Functional Materials</i> , 2013 , 23, 3432-3442	15.6	29
26	Identification and characterization of novel Kirrel isoform during myogenesis. <i>Physiological Reports</i> , 2013 , 1, e00044	2.6	6

25	Nesprins in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 29, 169-79	7.5	50
24	GRAF1 promotes ferlin-dependent myoblast fusion. <i>Developmental Biology</i> , 2014 , 393, 298-311	3.1	20
23	Myogenesis defect due to Toca-1 knockdown can be suppressed by expression of N-WASP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 1930-41	4.9	6
22	C3G (RapGEF1), a regulator of actin dynamics promotes survival and myogenic differentiation of mouse mesenchymal cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 2629-39	4.9	19
21	Creatine kinase B is necessary to limit myoblast fusion during myogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C919-31	5.4	12
20	Rotenone inhibits primary murine myotube formation via Raf-1 and ROCK2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1606-14	4.9	10
19	Regulation of cell arrangement using a novel composite micropattern. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 3093-3101	5.4	7
18	Simulation and Fabrication of Stronger, Larger, and Faster Walking Biohybrid Machines. <i>Advanced Functional Materials</i> , 2018 , 28, 1801145	15.6	36
17	Myotube elasticity of an amyotrophic lateral sclerosis mouse model. <i>Scientific Reports</i> , 2018 , 8, 5917	4.9	8
16	Impaired muscle relaxation and mitochondrial fission associated with genetic ablation of cytoplasmic actin isoforms. <i>FEBS Journal</i> , 2018 , 285, 481-500	5.7	5
15	A novel in vitro model for the assessment of postnatal myonuclear accretion. <i>Skeletal Muscle</i> , 2018 , 8, 4	5.1	3
14	Dephosphorylation of HDAC4 by PP2A-B α unravels a new role for the HDAC4/MEF2 axis in myoblast fusion. <i>Cell Death and Disease</i> , 2019 , 10, 512	9.8	2
13	Actomyosin contractility scales with myoblast elongation and enhances differentiation through YAP nuclear export. <i>Scientific Reports</i> , 2019 , 9, 15565	4.9	26
12	Cullin-3 dependent deregulation of ACTN1 represents a new pathogenic mechanism in nemaline myopathy. <i>JCI Insight</i> , 2019 , 5,	9.9	9
11	Combined substrate micropatterning and FFT analysis reveals myotube size control and alignment by contact guidance. <i>Cytoskeleton</i> , 2019 , 76, 269-285	2.4	8
10	Micropatterning and Alignment of Skeletal Muscle Myoblasts Using Microflowed Plasma Process. <i>Irbm</i> , 2020 , 41, 48-57	4.8	4
9	Dexamethasone accelerates muscle regeneration by modulating kinesin-1-mediated focal adhesion signals. <i>Cell Death Discovery</i> , 2021 , 7, 35	6.9	2
8	Filopodia powered by class X myosin promote fusion of mammalian myoblasts.		

7	Filopodia powered by class x myosin promote fusion of mammalian myoblasts. <i>ELife</i> , 2021 , 10,	8.9	2
6	Current Progress Towards Understanding Mechanisms of Myoblast Fusion in Mammals. 2011 , 249-265		4
5	CDC50A is required for aminophospholipid transport and cell fusion in mouse C2C12 myoblasts. <i>Journal of Cell Science</i> , 2022 , 135,	5.3	2
4	Muscle Satellite Cell Structure, Proliferation and Fusion.		
3	miRNA mediated downregulation of non-muscle Cyclase associated protein 1 is required for myogenic differentiation.		
2	Syndecan-4 affects myogenesis via Rac1-mediated actin remodeling and exhibits copy-number amplification and increased expression in human rhabdomyosarcoma tumors.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 122	10.3	2
1	miRNA mediated downregulation of cyclase-associated protein 1 (CAP1) is required for myoblast fusion. 10,		0