

John M Shelton

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3807779/john-m-shelton-publications-by-year.pdf>

Version: 2024-04-25

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.

119
papers

18,061
citations

66
h-index

121
g-index

121
ext. papers

20,460
ext. citations

14.5
avg, IF

6.16
L-index

#	Paper	IF	Citations
119	A myocardin-adjacent lncRNA balances SRF-dependent gene transcription in the heart. <i>Genes and Development</i> , 2021 , 35, 835-840	12.6	4
118	Activation of Autophagic Flux Blunts Cardiac Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2021 , 129, 435-450	15.7	6
117	TRIM7 inhibits enterovirus replication and promotes emergence of a viral variant with increased pathogenicity. <i>Cell</i> , 2021 , 184, 3410-3425.e17	56.2	7
116	The nuclear envelope protein Net39 is essential for muscle nuclear integrity and chromatin organization. <i>Nature Communications</i> , 2021 , 12, 690	17.4	4
115	Correction of Three Prominent Mutations in Mouse and Human Models of Duchenne Muscular Dystrophy by Single-Cut Genome Editing. <i>Molecular Therapy</i> , 2020 , 28, 2044-2055	11.7	25
114	Enhanced CRISPR-Cas9 correction of Duchenne muscular dystrophy in mice by a self-complementary AAV delivery system. <i>Science Advances</i> , 2020 , 6, eaay6812	14.3	64
113	Mechanistic basis of neonatal heart regeneration revealed by transcriptome and histone modification profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18455-18465	11.5	46
112	In vivo non-invasive monitoring of dystrophin correction in a new Duchenne muscular dystrophy reporter mouse. <i>Nature Communications</i> , 2019 , 10, 4537	17.4	20
111	CRISPR-Cas9 corrects Duchenne muscular dystrophy exon 44 deletion mutations in mice and human cells. <i>Science Advances</i> , 2019 , 5, eaav4324	14.3	120
110	Derepression of sonic hedgehog signaling upon Gpr161 deletion unravels forebrain and ventricular abnormalities. <i>Developmental Biology</i> , 2019 , 450, 47-62	3.1	11
109	Tulp3 Regulates Renal Cystogenesis by Trafficking of Cystoproteins to Cilia. <i>Current Biology</i> , 2019 , 29, 790-802.e5	6.3	15
108	High-Phosphate Diet Induces Exercise Intolerance and Impairs Fatty Acid Metabolism in Mice. <i>Circulation</i> , 2019 , 139, 1422-1434	16.7	16
107	Basal Suppression of the Sonic Hedgehog Pathway by the G-Protein-Coupled Receptor Gpr161 Restricts Medulloblastoma Pathogenesis. <i>Cell Reports</i> , 2018 , 22, 1169-1184	10.6	33
106	Correction of diverse muscular dystrophy mutations in human engineered heart muscle by single-site genome editing. <i>Science Advances</i> , 2018 , 4, eaap9004	14.3	138
105	Fusogenic micropeptide Myomixer is essential for satellite cell fusion and muscle regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3864-3869	11.5	33
104	Metabolic and cardiovascular effects of chronic mild hyperuricemia in rodents. <i>Journal of Investigative Medicine</i> , 2018 , 66, 1037-1044	2.9	0
103	The G protein-coupled receptor Gpr161 regulates forelimb formation, limb patterning and skeletal morphogenesis in a primary cilium-dependent manner. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	32

102	Gene editing restores dystrophin expression in a canine model of Duchenne muscular dystrophy. <i>Science</i> , 2018 , 362, 86-91	33.3	283
101	A Twist2-dependent progenitor cell contributes to adult skeletal muscle. <i>Nature Cell Biology</i> , 2017 , 19, 202-213	23.4	84
100	CRISPR-Cpf1 correction of muscular dystrophy mutations in human cardiomyocytes and mice. <i>Science Advances</i> , 2017 , 3, e1602814	14.3	142
99	Control of muscle formation by the fusogenic micropeptide myomixer. <i>Science</i> , 2017 , 356, 323-327	33.3	178
98	Adiponectin protects against development of metabolic disturbances in a PCOS mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7187-E7196	11.5	60
97	Single-cut genome editing restores dystrophin expression in a new mouse model of muscular dystrophy. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	129
96	NOD2 Suppresses Colorectal Tumorigenesis via Downregulation of the TLR Pathways. <i>Cell Reports</i> , 2017 , 19, 2756-2770	10.6	43
95	Functional correction of dystrophin actin binding domain mutations by genome editing. <i>JCI Insight</i> , 2017 , 2,	9.9	51
94	Tumor physiological changes during hypofractionated stereotactic body radiation therapy assessed using multi-parametric magnetic resonance imaging. <i>Oncotarget</i> , 2017 , 8, 37464-37477	3.3	25
93	Transcription of the non-coding RNA upperhand controls Hand2 expression and heart development. <i>Nature</i> , 2016 , 539, 433-436	50.4	209
92	Successful transplantation in canines after long-term coronary sinus machine perfusion preservation of donor hearts. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 1031-6	5.8	1
91	Postnatal genome editing partially restores dystrophin expression in a mouse model of muscular dystrophy. <i>Science</i> , 2016 , 351, 400-3	33.3	657
90	Widespread control of calcium signaling by a family of SERCA-inhibiting micropeptides. <i>Science Signaling</i> , 2016 , 9, ra119	8.8	110
89	Hypoxia fate mapping identifies cycling cardiomyocytes in the adult heart. <i>Nature</i> , 2015 , 523, 226-30	50.4	204
88	Klotho and phosphate are modulators of pathologic uremic cardiac remodeling. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1290-302	12.7	187
87	Sec13 Regulates Expression of Specific Immune Factors Involved in Inflammation In Vivo. <i>Scientific Reports</i> , 2015 , 5, 17655	4.9	12
86	A micropeptide encoded by a putative long noncoding RNA regulates muscle performance. <i>Cell</i> , 2015 , 160, 595-606	56.2	706
85	Severe myopathy in mice lacking the MEF2/SRF-dependent gene leiomodlin-3. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1569-78	15.9	39

84	Mitochondrial metabolism mediates oxidative stress and inflammation in fatty liver. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4447-62	15.9	234
83	Fli1 acts downstream of Etv2 to govern cell survival and vascular homeostasis via positive autoregulation. <i>Circulation Research</i> , 2014 , 114, 1690-9	15.7	26
82	Requirement of MEF2A, C, and D for skeletal muscle regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4109-14	11.5	113
81	Ataxia and Purkinje cell degeneration in mice lacking the CAMTA1 transcription factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11521-6	11.5	23
80	Prevention of muscular dystrophy in mice by CRISPR/Cas9-mediated editing of germline DNA. <i>Science</i> , 2014 , 345, 1184-1188	33.3	493
79	Estrogen-related receptor β serves a role in blood pressure homeostasis during pregnancy. <i>Molecular Endocrinology</i> , 2014 , 28, 965-75		16
78	Cytoglobin modulates myogenic progenitor cell viability and muscle regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E129-38	11.5	36
77	Mutation of mouse Samd4 causes leanness, myopathy, uncoupled mitochondrial respiration, and dysregulated mTORC1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7367-72	11.5	21
76	Characterizing cardiac donation after circulatory death: implications for perfusion preservation. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 2107-13; discussion 2113-4	2.7	9
75	Trans-cranial opening of the blood-brain barrier in targeted regions using a stereotaxic brain atlas and focused ultrasound energy. <i>Journal of Therapeutic Ultrasound</i> , 2014 , 2, 13		21
74	A reevaluation of CD22 expression in human lung cancer. <i>Cancer Research</i> , 2014 , 74, 263-71	10.1	10
73	Laryngeal aging and acoustic changes in male rat ultrasonic vocalizations. <i>Developmental Psychobiology</i> , 2013 , 55, 818-28	3	10
72	Myomaker is a membrane activator of myoblast fusion and muscle formation. <i>Nature</i> , 2013 , 499, 301-5	50.4	295
71	Mechanical unloading activates FoxO3 to trigger Bnip3-dependent cardiomyocyte atrophy. <i>Journal of the American Heart Association</i> , 2013 , 2, e000016	6	72
70	Posttraumatic Chondrocyte Apoptosis in the Murine Xiphoid. <i>Cartilage</i> , 2013 , 4, 345-53	3	7
69	Hippo pathway effector Yap promotes cardiac regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13839-44	11.5	575
68	Linking spermatid ribonucleic acid (RNA) binding protein and retrogene diversity to reproductive success. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3221-36	7.6	11
67	Reduced parathyroid hormone-stimulated 1,25-dihydroxyvitamin d production in vitamin d sufficient postmenopausal women with low bone mass and idiopathic secondary hyperparathyroidism. <i>Endocrine Practice</i> , 2013 , 19, 91-9	3.2	1

66	Histone deacetylases 1 and 2 regulate autophagy flux and skeletal muscle homeostasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1649-54	11.5	98
65	Autoimmune epididymoorchitis is essential to the pathogenesis of male-specific spondylarthritis in HLA-B27-transgenic rats. <i>Arthritis and Rheumatism</i> , 2012 , 64, 2518-28		28
64	Elevated TCA cycle function in the pathology of diet-induced hepatic insulin resistance and fatty liver. <i>Journal of Lipid Research</i> , 2012 , 53, 1080-92	6.3	241
63	Metabolic stress-induced activation of FoxO1 triggers diabetic cardiomyopathy in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1109-18	15.9	230
62	microRNA-206 promotes skeletal muscle regeneration and delays progression of Duchenne muscular dystrophy in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2054-65	15.9	229
61	Toll-like receptor 4 regulates early endothelial activation during ischemic acute kidney injury. <i>Kidney International</i> , 2011 , 79, 288-99	9.9	105
60	Sustained hemodynamic stress disrupts normal circadian rhythms in calcineurin-dependent signaling and protein phosphorylation in the heart. <i>Circulation Research</i> , 2011 , 108, 437-45	15.7	39
59	Amino acid substitution in NPC1 that abolishes cholesterol binding reproduces phenotype of complete NPC1 deficiency in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 15330-5	11.5	37
58	Mice lacking microRNA 133a develop dynamin 2-dependent centronuclear myopathy. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3258-68	15.9	114
57	Diminished cardiac fibrosis in heart failure is associated with altered ventricular arrhythmia phenotype. <i>Journal of Cardiovascular Electrophysiology</i> , 2010 , 21, 1031-7	2.7	26
56	Hair growth defects in Insig-deficient mice caused by cholesterol precursor accumulation and reversed by simvastatin. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 1237-48	4.3	41
55	Myocyte enhancer factor 2 and class II histone deacetylases control a gender-specific pathway of cardioprotection mediated by the estrogen receptor. <i>Circulation Research</i> , 2010 , 106, 155-65	15.7	42
54	Myogenin and class II HDACs control neurogenic muscle atrophy by inducing E3 ubiquitin ligases. <i>Cell</i> , 2010 , 143, 35-45	56.2	306
53	Hypercalcemia of malignancy with simultaneous elevation in serum parathyroid hormone--related peptide and 1,25-dihydroxyvitamin D in a patient with metastatic renal cell carcinoma. <i>Endocrine Practice</i> , 2009 , 15, 234-9	3.2	21
52	IRF-1 promotes inflammation early after ischemic acute kidney injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1544-55	12.7	45
51	Thymosin beta4 mediated PKC activation is essential to initiate the embryonic coronary developmental program and epicardial progenitor cell activation in adult mice in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 728-38	5.8	107
50	Myosin regulatory light chain phosphorylation attenuates cardiac hypertrophy. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19748-56	5.4	50
49	Autophagy is an adaptive response in desmin-related cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9745-50	11.5	185

48	Protein kinase D1 stimulates MEF2 activity in skeletal muscle and enhances muscle performance. <i>Molecular and Cellular Biology</i> , 2008 , 28, 3600-9	4.8	83
47	Deletion of hexose-6-phosphate dehydrogenase activates the unfolded protein response pathway and induces skeletal myopathy. <i>Journal of Biological Chemistry</i> , 2008 , 283, 8453-61	5.4	65
46	Requirement of protein kinase D1 for pathological cardiac remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3059-63	11.5	198
45	Intracellular protein aggregation is a proximal trigger of cardiomyocyte autophagy. <i>Circulation</i> , 2008 , 117, 3070-8	16.7	184
44	Cardiac autophagy is a maladaptive response to hemodynamic stress. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1782-93	15.9	582
43	The Down syndrome critical region protein RCAN1 regulates long-term potentiation and memory via inhibition of phosphatase signaling. <i>Journal of Neuroscience</i> , 2007 , 27, 13161-72	6.6	81
42	Loss of muscle-specific RING-finger 3 predisposes the heart to cardiac rupture after myocardial infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4377-82	11.5	83
41	MEF2C transcription factor controls chondrocyte hypertrophy and bone development. <i>Developmental Cell</i> , 2007 , 12, 377-89	10.2	346
40	Histone deacetylase degradation and MEF2 activation promote the formation of slow-twitch myofibers. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2459-67	15.9	308
39	Myosin accumulation and striated muscle myopathy result from the loss of muscle RING finger 1 and 3. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2486-95	15.9	184
38	Reactive oxygen species impair sympathetic vasoregulation in skeletal muscle in angiotensin II-dependent hypertension. <i>Hypertension</i> , 2006 , 48, 637-43	8.5	68
37	Regulation of antibacterial defense in the small intestine by the nuclear bile acid receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3920-5	11.5	759
36	Cytoglobin is a stress-responsive hemoprotein expressed in the developing and adult brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2006 , 54, 1349-61	3.4	45
35	Transcriptional regulation of aromatase in placenta and ovary. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005 , 95, 25-33	5.1	56
34	A role for the apoptosis inhibitory factor AIM/Spalpha/Ap16 in atherosclerosis development. <i>Cell Metabolism</i> , 2005 , 1, 201-13	24.6	224
33	Transcriptional coactivator PGC-1 alpha controls the energy state and contractile function of cardiac muscle. <i>Cell Metabolism</i> , 2005 , 1, 259-71	24.6	532
32	Stem cells and their derivatives can bypass the requirement of myocardin for smooth muscle gene expression. <i>Developmental Biology</i> , 2005 , 288, 502-13	3.1	47
31	Regulation of hyaluronan expression during cervical ripening. <i>Glycobiology</i> , 2005 , 15, 55-65	5.8	77

30	HIF-2alpha regulates murine hematopoietic development in an erythropoietin-dependent manner. <i>Blood</i> , 2005 , 105, 3133-40	2.2	178
29	Maladaptive role of IL-6 in ischemic acute renal failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 3315-25	12.7	193
28	Calcineurin is necessary for the maintenance but not embryonic development of slow muscle fibers. <i>Molecular and Cellular Biology</i> , 2005 , 25, 6629-38	4.8	83
27	Functional characterization of mouse RDH11 as a retinol dehydrogenase involved in dark adaptation in vivo. <i>Journal of Biological Chemistry</i> , 2005 , 280, 20413-20	5.4	32
26	Centronuclear myopathy in mice lacking a novel muscle-specific protein kinase transcriptionally regulated by MEF2. <i>Genes and Development</i> , 2005 , 19, 2066-77	12.6	77
25	Identification of acyloxyacyl hydrolase, a lipopolysaccharide-detoxifying enzyme, in the murine urinary tract. <i>Infection and Immunity</i> , 2004 , 72, 3171-8	3.7	37
24	Normal development and fertility of knockout mice lacking the tumor suppressor gene LRP1b suggest functional compensation by LRP1. <i>Molecular and Cellular Biology</i> , 2004 , 24, 3782-93	4.8	53
23	Essential role of STAT3 in body weight and glucose homeostasis. <i>Molecular and Cellular Biology</i> , 2004 , 24, 258-69	4.8	116
22	TRPC3 channels confer cellular memory of recent neuromuscular activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9387-92	11.5	85
21	Loss of NFAT5 results in renal atrophy and lack of tonicity-responsive gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2392-7	11.5	206
20	Critical roles of the guanylyl cyclase B receptor in endochondral ossification and development of female reproductive organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 17300-5	11.5	227
19	Mice lacking calstabin-1 are sensitized to calcineurin signaling and show accelerated cardiomyopathy in response to pathological biomechanical stress. <i>Nature Medicine</i> , 2004 , 10, 1336-43	50.5	172
18	Histone deacetylase 4 controls chondrocyte hypertrophy during skeletogenesis. <i>Cell</i> , 2004 , 119, 555-66	56.2	640
17	Characterization of mouse short-chain aldehyde reductase (SCALD), an enzyme regulated by sterol regulatory element-binding proteins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 32380-9	5.4	38
16	Alterations in slow-twitch muscle phenotype in transgenic mice overexpressing the Ca ²⁺ buffering protein parvalbumin. <i>Journal of Physiology</i> , 2003 , 547, 649-63	3.9	42
15	Multiple organ pathology, metabolic abnormalities and impaired homeostasis of reactive oxygen species in <i>Epas1</i> ^{-/-} mice. <i>Nature Genetics</i> , 2003 , 35, 331-40	36.3	384
14	Expression of LRH-1 and SF-1 in the mouse ovary: localization in different cell types correlates with differing function. <i>Molecular and Cellular Endocrinology</i> , 2003 , 207, 39-45	4.4	125
13	Disruption of PPT2 in mice causes an unusual lysosomal storage disorder with neurovisceral features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12325-30	11.5	31

12	Control of facial muscle development by MyoR and capsulin. <i>Science</i> , 2002 , 298, 2378-81	33.3	167
11	Activated glycogen synthase-3 beta suppresses cardiac hypertrophy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 907-12	11.5	420
10	Neuroglobin, a novel member of the globin family, is expressed in focal regions of the brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 1591-8	3.4	115
9	Adaptive mechanisms that preserve cardiac function in mice without myoglobin. <i>Circulation Research</i> , 2001 , 88, 713-20	15.7	73
8	Cardiac-specific LIM protein FHL2 modifies the hypertrophic response to beta-adrenergic stimulation. <i>Circulation</i> , 2001 , 103, 2731-8	16.7	116
7	Functional and molecular adaptations in skeletal muscle of myoglobin-mutant mice. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C1487-94	5.4	81
6	Interactions of the low density lipoprotein receptor gene family with cytosolic adaptor and scaffold proteins suggest diverse biological functions in cellular communication and signal transduction. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25616-24	5.4	368
5	Stimulation of slow skeletal muscle fiber gene expression by calcineurin in vivo. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4545-8	5.4	328
4	Cytochrome c deficiency causes embryonic lethality and attenuates stress-induced apoptosis. <i>Cell</i> , 2000 , 101, 389-99	56.2	421
3	Microsomal triglyceride transfer protein expression during mouse development. <i>Journal of Lipid Research</i> , 2000 , 41, 532-537	6.3	101
2	Reeler/Disabled-like disruption of neuronal migration in knockout mice lacking the VLDL receptor and ApoE receptor 2. <i>Cell</i> , 1999 , 97, 689-701	56.2	1093
1	Cardiac failure in transgenic mice with myocardial expression of tumor necrosis factor-alpha. <i>Circulation</i> , 1998 , 97, 1375-81	16.7	524