Jeffrey J Widrick

List of Publications by Year
in descending order

20 papers	1,524 citations	759233 12 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	2848 citing authors

#	Article	IF	Citations
1	In vivo gene editing in dystrophic mouse muscle and muscle stem cells. Science, 2016, 351, 407-411.	12.6	889
2	Directed evolution of a family of AAV capsid variants enabling potent muscle-directed gene delivery across species. Cell, 2021, 184, 4919-4938.e22.	28.9	193
3	MicroRNA-486â€“dependent modulation of DOCK3/PTEN/AKT signaling pathways improves muscular dystrophyâ€“associated symptoms. Journal of Clinical Investigation, 2014, 124, 2651-2667.	8.2	128
4	Concurrent muscle and bone deterioration in a murine model of cancer cachexia. Physiological Reports, 2013, 1, e00144.	1.7	38
5	Dystrophic muscle improvement in zebrafish via increased heme oxygenase signaling. Human Molecular Genetics, 2014, 23, 1869-1878.	2.9	38
6	RNA helicase, DDX27 regulates skeletal muscle growth and regeneration by modulation of translational processes. PLoS Genetics, 2018, 14, e1007226.	3.5	34
7	Muscle dysfunction in a zebrafish model of Duchenne muscular dystrophy. Physiological Genomics, 2016, 48, 850-860.	2.3	29
8	Whole Body Periodic Acceleration Is an Effective Therapy to Ameliorate Muscular Dystrophy in mdx Mice. PLoS ONE, 2014, 9, e106590.	2.5	25
9	Evaluation of Electrical Impedance as a Biomarker of Myostatin Inhibition in Wild Type and Muscular Dystrophy Mice. PLoS ONE, 2015, 10, e0140521.	2.5	21
10	Discovery of Novel Therapeutics for Muscular Dystrophies using Zebrafish Phenotypic Screens. Journal of Neuromuscular Diseases, 2019, 6, 271-287.	2.6	21
11	Gait characteristics of adults with Down syndrome explain their greater metabolic rate during walking. Gait and Posture, 2015, 41, 180-184.	1.4	19
12	A limb-girdle muscular dystrophy 2I model of muscular dystrophy identifies corrective drug compounds for dystroglycanopathies. JCI Insight, 2018, 3, .	5.0	17
13	Transgenic zebrafish model of DUX4 misexpression reveals a developmental role in FSHD pathogenesis. Human Molecular Genetics, 2019, 28, 320-331.	2.9	14
14	An open source microcontroller based flume for evaluating swimming performance of larval, juvenile, and adult zebrafish. PLoS ONE, 2018, 13, e0199712.	2.5	13
15	IMP2 Increases Mouse Skeletal Muscle Mass and Voluntary Activity by Enhancing Autocrine Insulin-Like Growth Factor 2 Production and Optimizing Muscle Metabolism. Molecular and Cellular Biology, 2019, 39, .	2.3	12
16	miR-486 is essential for muscle function and suppresses a dystrophic transcriptome. Life Science Alliance, 2022, 5, e202101215.	2.8	10
17	Tetraspanin CD82 is necessary for muscle stem cell activation and supports dystrophic muscle function. Skeletal Muscle, 2020, 10, 34.	4.2	9
18	PDE10A Inhibition Reduces the Manifestation of Pathology in DMD Zebrafish and Represses the Genetic Modifier PITPNA. Molecular Therapy, 2021, 29, 1086-1101.	8.2	9

#	Article	IF	Citations
19	Dynamin-2 reduction rescues the skeletal myopathy of a SPEG-deficient mouse model. JCI Insight, 2022, 7, .	5.0	5
20	Skeletal Muscle Dysfunction in Experimental Pulmonary Hypertension Kosmas Kosmas ^{1,2} , Zoe Michael ^{2,3} , Fotios Spyropoulos ^{1,2} , Jeffrey Widrick ^{2,4} , Ravi Jasuja ² , Aimilia Papathanasiou ^{1,2} , Helen Christou ^{1,2} ¹ Department of Pediatric New. FASEB Journal, 2022, 36, .	0.5	0