

Young C Jang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,949
citations

471509

17
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

5665
citing authors

#	ARTICLE	IF	CITATIONS
1	A Special Population of Regulatory T Cells Potentiates Muscle Repair. <i>Cell</i> , 2013, 155, 1282-1295.	28.9	954
2	Restoring Systemic GDF11 Levels Reverses Age-Related Dysfunction in Mouse Skeletal Muscle. <i>Science</i> , 2014, 344, 649-652.	12.6	706
3	Short-Term Calorie Restriction Enhances Skeletal Muscle Stem Cell Function. <i>Cell Stem Cell</i> , 2012, 10, 515-519.	11.1	336
4	High-throughput in vivo screen of functional mRNA delivery identifies nanoparticles for endothelial cell gene editing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9944-E9952.	7.1	196
5	All-printed nanomembrane wireless bioelectronics using a biocompatible solderable graphene for multimodal human-machine interfaces. <i>Nature Communications</i> , 2020, 11, 3450.	12.8	124
6	Dietary restriction attenuates age-associated muscle atrophy by lowering oxidative stress in mice even in complete absence of CuZnSOD. <i>Aging Cell</i> , 2012, 11, 770-782.	6.7	82
7	Determination of a Critical Size Threshold for Volumetric Muscle Loss in the Mouse Quadriceps. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 59-70.	2.1	56
8	Synthetic matrix enhances transplanted satellite cell engraftment in dystrophic and aged skeletal muscle with comorbid trauma. <i>Science Advances</i> , 2018, 4, eaar4008.	10.3	51
9	Dissecting Murine Muscle Stem Cell Aging through Regeneration Using Integrative Genomic Analysis. <i>Cell Reports</i> , 2020, 32, 107964.	6.4	49
10	Transcriptional and Chromatin Dynamics of Muscle Regeneration after Severe Trauma. <i>Stem Cell Reports</i> , 2016, 7, 983-997.	4.8	41
11	Co-delivery of Wnt7a and muscle stem cells using synthetic bioadhesive hydrogel enhances murine muscle regeneration and cell migration during engraftment. <i>Acta Biomaterialia</i> , 2019, 94, 243-252.	8.3	36
12	GSH-responsive self-healable conductive hydrogel of highly sensitive strain-pressure sensor for cancer cell detection. <i>Nano Today</i> , 2021, 39, 101178.	11.9	36
13	Engineered matrices for skeletal muscle satellite cell engraftment and function. <i>Matrix Biology</i> , 2017, 60-61, 96-109.	3.6	30
14	Long-term resistance exercise-induced muscular hypertrophy is associated with autophagy modulation in rats. <i>Journal of Physiological Sciences</i> , 2018, 68, 269-280.	2.1	29
15	Breathable, large-area epidermal electronic systems for recording electromyographic activity during operant conditioning of H-reflex. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112404.	10.1	25
16	Superoxide-mediated oxidative stress accelerates skeletal muscle atrophy by synchronous activation of proteolytic systems. <i>GeroScience</i> , 2020, 42, 1579-1591.	4.6	24
17	Neutrophil and natural killer cell imbalances prevent muscle stem cell-mediated regeneration following murine volumetric muscle loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2111445119.	7.1	24
18	Critical Limb Ischemia Induces Remodeling of Skeletal Muscle Motor Unit, Myonuclear-, and Mitochondrial-Domains. <i>Scientific Reports</i> , 2019, 9, 9551.	3.3	22

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19	Murine muscle stem cell response to perturbations of the neuromuscular junction are attenuated with aging. <i>ELife</i> , 2021, 10, .	6.0	20
20	Liver specific expression of Cu/ZnSOD extends the lifespan of Sod1 null mice. <i>Mechanisms of Ageing and Development</i> , 2016, 154, 1-8.	4.6	18
21	Pyrimethamine conjugated histone deacetylase inhibitors: Design, synthesis and evidence for triple negative breast cancer selective cytotoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115345.	3.0	18
22	Detecting the functional complexities between high-density lipoprotein mimetics. <i>Biomaterials</i> , 2018, 170, 58-69.	11.4	17
23	Modulating local S1P receptor signaling as a regenerative immunotherapy after volumetric muscle loss injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 695-712.	4.0	12
24	Cu/Zn Superoxide Dismutase (Sod1) regulates the canonical Wnt signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 720-726.	2.1	10
25	The Extracellular Matrix and Cellâ€“Biomaterial Interactions. , 2020, , 701-715.		6
26	Nanofiber-Based Delivery of Bioactive Lipids Promotes Pro-regenerative Inflammation and Enhances Muscle Fiber Growth After Volumetric Muscle Loss. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 650289.	4.1	6
27	Nanomaterial for Skeletal Muscle Regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 253-261.	3.7	6
28	Engineered Heterochronic Parabiosis in 3D Microphysiological System for Identification of Muscle Rejuvenating Factors. <i>Advanced Functional Materials</i> , 2020, 30, 2002924.	14.9	5
29	Effect of Rapamycin on Contractility of Lymphatic Vessel and Energy Metabolism of Lymphatic Muscle Cells. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
30	Muscle Stem Cellâ€“Nerveâ€“Vasculature Interactions Modulate Tissue Regeneration Following Critical Limb Ischemia. <i>FASEB Journal</i> , 2019, 33, 524.2.	0.5	0