

# Gretchen A Meyer

## List of Publications by Year in descending order

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36  
papers

1,391  
citations

394421

19  
h-index

345221

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g-index

37  
all docs

37  
docs citations

37  
times ranked

2046  
citing authors

#	ARTICLE	IF	CITATIONS
1	A unique sarcopenic progression in the mouse rotator cuff. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 561-573.	7.3	5
2	p300 or CBP is required for insulin-stimulated glucose uptake in skeletal muscle and adipocytes. <i>JCI Insight</i> , 2022, 7, .	5.0	3
3	Geometric modeling predicts architectural adaptations are not responsible for the force deficit following tenotomy in the rotator cuff. <i>Journal of Biomechanics</i> , 2022, 138, 111105.	2.1	3
4	Leptin mediates the regulation of muscle mass and strength by adipose tissue. <i>Journal of Physiology</i> , 2022, 600, 3795-3817.	2.9	13
5	Heterogeneity in insulin-stimulated glucose uptake among different muscle groups in healthy lean people and people with obesity. <i>Diabetologia</i> , 2021, 64, 1158-1168.	6.3	12
6	Harnessing adipose stem cell diversity in regenerative medicine. <i>APL Bioengineering</i> , 2021, 5, 021501.	6.2	12
7	Subcutaneous Adipose Tissue Metabolic Function and Insulin Sensitivity in People With Obesity. <i>Diabetes</i> , 2021, 70, 2225-2236.	0.6	13
8	Adipose tissue is a critical regulator of osteoarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	85
9	Skeletal muscle explants: ex-vivo models to study cellular behavior in a complex tissue environment. <i>Connective Tissue Research</i> , 2020, 61, 248-261.	2.3	10
10	p300 and cAMP response element-binding protein-binding protein in skeletal muscle homeostasis, contractile function, and survival. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 464-477.	7.3	18
11	Adipose stem cells exhibit mechanical memory and reduce fibrotic contracture in a rat elbow injury model. <i>FASEB Journal</i> , 2020, 34, 12976-12990.	0.5	26
12	Infiltration of intramuscular adipose tissue impairs skeletal muscle contraction. <i>Journal of Physiology</i> , 2020, 598, 2669-2683.	2.9	90
13	Skeletal Muscle Regeneration in Advanced Diabetic Peripheral Neuropathy. <i>Foot and Ankle International</i> , 2020, 41, 536-548.	2.3	3
14	Association of Hot Tea Consumption with Regional Adiposity Measured by Dual-Energy X-Ray Absorptiometry in NHANES 2003-2006. <i>Obesity</i> , 2020, 28, 445-451.	3.0	4
15	SWELL1 regulates skeletal muscle cell size, intracellular signaling, adiposity and glucose metabolism. <i>ELife</i> , 2020, 9, .	6.0	40
16	Brown Fat Promotes Muscle Growth During Regeneration. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1817-1826.	2.3	22
17	Frog muscle fibers bear a larger fraction of passive muscle tension than mouse fibers. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	51
18	Muscle does not drive persistent posttraumatic elbow contracture in a rat model. <i>Muscle and Nerve</i> , 2018, 58, 843-851.	2.2	10

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19	Evidence of induced muscle regeneration persists for years in the mouse. <i>Muscle and Nerve</i> , 2018, 58, 858-862.	2.2	11
20	Hip Abductor Muscle Volume and Strength Differences Between Women With Chronic Hip Joint Pain and Asymptomatic Controls. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017, 47, 923-930.	3.5	22
21	Muscle-specific knockout of general control of amino acid synthesis 5 (GCN5) does not enhance basal or endurance exercise-induced mitochondrial adaptation. <i>Molecular Metabolism</i> , 2017, 6, 1574-1584.	6.5	17
22	A novel method for the quantification of fatty infiltration in skeletal muscle. <i>Skeletal Muscle</i> , 2017, 7, 1.	4.2	30
23	Developmental Biology and Regenerative Medicine: Addressing the Vexing Problem of Persistent Muscle Atrophy in the Chronically Torn Human Rotator Cuff. <i>Physical Therapy</i> , 2016, 96, 722-733.	2.4	12
24	Muscle intermediate filaments form a stress-transmitting and stress- signaling network in muscle. <i>Journal of Cell Science</i> , 2015, 128, 219-24.	2.0	51
25	Extracellular matrix regulation in the muscle satellite cell niche. <i>Connective Tissue Research</i> , 2015, 56, 1-8.	2.3	143
26	Epimuscular Fat in the Human Rotator Cuff Is a Novel Beige Depot. <i>Stem Cells Translational Medicine</i> , 2015, 4, 764-774.	3.3	24
27	Muscle progenitor cell regenerative capacity in the torn rotator cuff. <i>Journal of Orthopaedic Research</i> , 2015, 33, 421-429.	2.3	27
28	Systems analysis of biological networks in skeletal muscle function. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013, 5, 55-71.	6.6	56
29	Role of the cytoskeleton in muscle transcriptional responses to altered use. <i>Physiological Genomics</i> , 2013, 45, 321-331.	2.3	11
30	Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization. <i>Journal of Lipid Research</i> , 2012, 53, 2610-2619.	4.2	65
31	Skeletal muscle fibrosis develops in response to desmin deletion. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C1609-C1620.	4.6	51
32	Sirtuin 1 (SIRT1) Deacetylase Activity Is Not Required for Mitochondrial Biogenesis or Peroxisome Proliferator-activated Receptor- $\beta$ Coactivator-1 $\alpha$ (PGC-1 $\alpha$ ) Deacetylation following Endurance Exercise. <i>Journal of Biological Chemistry</i> , 2011, 286, 30561-30570.	3.4	156
33	Elucidation of extracellular matrix mechanics from muscle fibers and fiber bundles. <i>Journal of Biomechanics</i> , 2011, 44, 771-773.	2.1	150
34	Theoretical Predictions of the Effects of Force Transmission by Desmin on Intersarcomere Dynamics. <i>Biophysical Journal</i> , 2010, 98, 258-266.	0.5	24
35	Intermediate Filament and Ecm Mechanics Deduced from Desmin Knockout Muscles. <i>Biophysical Journal</i> , 2010, 98, 545a.	0.5	1
36	Obscurin determines the architecture of the longitudinal sarcoplasmic reticulum. <i>Journal of Cell Science</i> , 2009, 122, 2640-2650.	2.0	120