

Samuel R Ward, Pt

List of Publications by Year in descending order

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133
papers

6,960
citations

71102

41
h-index

66911

78
g-index

136
all docs

136
docs citations

136
times ranked

6411
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model of the Lower Limb for Analysis of Human Movement. <i>Annals of Biomedical Engineering</i> , 2010, 38, 269-279.	2.5	659
2	Are Current Measurements of Lower Extremity Muscle Architecture Accurate?. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1074-1082.	1.5	520
3	Hamstring contractures in children with spastic cerebral palsy result from a stiffer extracellular matrix and increased <i>in vivo</i> sarcomere length. <i>Journal of Physiology</i> , 2011, 589, 2625-2639.	2.9	353
4	Patellofemoral Kinematics During Weight-Bearing and Non-Weight-Bearing Knee Extension in Persons With Lateral Subluxation of the Patella: A Preliminary Study. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2003, 33, 677-685.	3.5	302
5	Skeletal muscle design to meet functional demands. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 1466-1476.	4.0	251
6	Cellular Mechanisms of Tissue Fibrosis. 4. Structural and functional consequences of skeletal muscle fibrosis. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C241-C252.	4.6	233
7	Architectural Analysis and Intraoperative Measurements Demonstrate the Unique Design of the Multifidus Muscle for Lumbar Spine Stability. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 176-185.	3.0	221
8	Density and hydration of fresh and fixed human skeletal muscle. <i>Journal of Biomechanics</i> , 2005, 38, 2317-2320.	2.1	209
9	Scaling of muscle architecture and fiber types in the rat hindlimb. <i>Journal of Experimental Biology</i> , 2008, 211, 2336-2345.	1.7	155
10	Patella Alta. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 1749-1755.	3.0	143
11	The influence of patella alta on patellofemoral joint stress during normal and fast walking. <i>Clinical Biomechanics</i> , 2004, 19, 1040-1047.	1.2	130
12	Contribution of Lumbar Spine Pathology and Age to Paraspinal Muscle Size and Fatty Infiltration. <i>Spine</i> , 2017, 42, 616-623.	2.0	123
13	Magnetic Resonance Imaging-Based Topographical Differences Between Control and Recurrent Patellofemoral Instability Patients. <i>American Journal of Sports Medicine</i> , 2013, 41, 374-384.	4.2	120
14	Whole muscle length-tension relationships are accurately modeled as scaled sarcomeres in rabbit hindlimb muscles. <i>Journal of Biomechanics</i> , 2011, 44, 109-115.	2.1	116
15	Mechanical Strength of the Side-to-Side Versus Pulvertaft Weave Tendon Repair. <i>Journal of Hand Surgery</i> , 2010, 35, 540-545.	1.6	102
16	The Effect of Bracing on Patella Alignment and Patellofemoral Joint Contact Area. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1226-1232.	0.4	98
17	Quantitative analysis of neonatal skeletal muscle functional improvement in the mouse. <i>Journal of Experimental Biology</i> , 2008, 211, 837-843.	1.7	98
18	Passive mechanical properties of the lumbar multifidus muscle support its role as a stabilizer. <i>Journal of Biomechanics</i> , 2009, 42, 1384-1389.	2.1	97

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19	Capsular Ligaments of the Hip: Anatomic, Histologic, and Positional Study in Cadaveric Specimens with MR Arthrography. <i>Radiology</i> , 2012, 263, 189-198.	7.3	92
20	Lumbar multifidus muscle degenerates in individuals with chronic degenerative lumbar spine pathology. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2700-2706.	2.3	88
21	High resolution muscle measurements provide insights into equinus contractures in patients with cerebral palsy. <i>Journal of Orthopaedic Research</i> , 2015, 33, 33-39.	2.3	84
22	The Architectural Design of the Gluteal Muscle Group: Implications for Movement and Rehabilitation. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2010, 40, 95-102.	3.5	81
23	Understanding Mechanobiology: Physical Therapists as a Force in Mechanotherapy and Musculoskeletal Regenerative Rehabilitation. <i>Physical Therapy</i> , 2016, 96, 560-569.	2.4	72
24	Sarcomere length measurement permits high resolution normalization of muscle fiber length in architectural studies. <i>Journal of Experimental Biology</i> , 2005, 208, 3275-3279.	1.7	71
25	Histological Evidence of Muscle Degeneration in Advanced Human Rotator Cuff Disease. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 190-199.	3.0	70
26	Chronic Degeneration Leads to Poor Healing of Repaired Massive Rotator Cuff Tears in Rats. <i>American Journal of Sports Medicine</i> , 2015, 43, 2401-2410.	4.2	69
27	The Effect of Bracing on Patellofemoral Joint Stress during Free and Fast Walking. <i>American Journal of Sports Medicine</i> , 2004, 32, 224-231.	4.2	62
28	Influence of patella alta on knee extensor mechanics. <i>Journal of Biomechanics</i> , 2005, 38, 2415-2422.	2.1	60
29	Relationships between tissue microstructure and the diffusion tensor in simulated skeletal muscle. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 317-329.	3.0	59
30	Intrinsic foot muscle deterioration is associated with metatarsophalangeal joint angle in people with diabetes and neuropathy. <i>Clinical Biomechanics</i> , 2013, 28, 1055-1060.	1.2	55
31	Skeletal muscle fibrosis and stiffness increase after rotator cuff tendon injury and neuromuscular compromise in a rat model. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1111-1116.	2.3	55
32	ISSLS Prize Winner. <i>Spine</i> , 2011, 36, 1728-1736.	2.0	54
33	Human skeletal muscle biochemical diversity. <i>Journal of Experimental Biology</i> , 2012, 215, 2551-2559.	1.7	52
34	Comparison of rotator cuff muscle architecture among humans and selected vertebrate species. <i>Journal of Experimental Biology</i> , 2014, 217, 261-73.	1.7	50
35	Quantification of patellofemoral joint contact area using magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2003, 21, 955-959.	1.8	49
36	Increased efficacy and decreased systemic effects of botulinum toxin A injection after active or passive muscle manipulation. <i>Developmental Medicine and Child Neurology</i> , 2007, 49, 907-914.	2.1	49

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37	Plasticity of Muscle Architecture After Supraspinatus Tears. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2010, 40, 729-735.	3.5	49
38	The effects of chronic unloading and gap formation on tendon-to-bone healing in a rat model of massive rotator cuff tears. <i>Journal of Orthopaedic Research</i> , 2014, 32, 439-447.	2.3	49
39	Psoas Muscle Architectural Design, In Vivo Sarcomere Length Range, and Passive Tensile Properties Support Its Role as a Lumbar Spine Stabilizer. <i>Spine</i> , 2011, 36, E1666-E1674.	2.0	48
40	Architectural Analysis of Human Abdominal Wall Muscles. <i>Spine</i> , 2010, 36, 1.	2.0	47
41	Dramatic changes in muscle contractile and structural properties after 2 botulinum toxin injections. <i>Muscle and Nerve</i> , 2015, 52, 649-657.	2.2	46
42	Perm1 enhances mitochondrial biogenesis, oxidative capacity, and fatigue resistance in adult skeletal muscle. <i>FASEB Journal</i> , 2016, 30, 674-687.	0.5	46
43	The role of the peripheral and central nervous systems in rotator cuff disease. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 1322-1335.	2.6	45
44	Passive mechanical properties and related proteins change with botulinum neurotoxin A injection of normal skeletal muscle. <i>Journal of Orthopaedic Research</i> , 2012, 30, 497-502.	2.3	44
45	Effect of Bracing on Patellofemoral Joint Stress While Ascending and Descending Stairs. <i>Clinical Journal of Sport Medicine</i> , 2004, 14, 206-214.	1.8	43
46	Assessment of patellofemoral relationships using kinematic MRI: Comparison between qualitative and quantitative methods. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 69-74.	3.4	41
47	Effect of Load Carriage on Lumbar Spine Kinematics. <i>Spine</i> , 2013, 38, E783-E791.	2.0	41
48	Methodological considerations in region of interest definitions for paraspinal muscles in axial MRIs of the lumbar spine. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 135.	1.9	41
49	Non-linear Scaling of Passive Mechanical Properties in Fibers, Bundles, Fascicles and Whole Rabbit Muscles. <i>Frontiers in Physiology</i> , 2020, 11, 211.	2.8	41
50	Ultrasound assessment of the lateral collateral ligamentous complex of the elbow: imaging aspects in cadavers and normal volunteers. <i>European Radiology</i> , 2011, 21, 1492-1498.	4.5	37
51	Passive mechanical properties of rat abdominal wall muscles suggest an important role of the extracellular connective tissue matrix. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1321-1326.	2.3	36
52	Systems analysis of transcriptional data provides insights into muscle's biological response to botulinum toxin. <i>Muscle and Nerve</i> , 2014, 50, 744-758.	2.2	33
53	Comparison of pelvic muscle architecture between humans and commonly used laboratory species. <i>International Urogynecology Journal</i> , 2014, 25, 1507-1515.	1.4	30
54	<sup />A 3D Tissue-Printing Approach for Validation of Diffusion Tensor Imaging in Skeletal Muscle. <i>Tissue Engineering - Part A</i> , 2017, 23, 980-988.	3.1	30

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55	Correlation between isometric force and intramuscular pressure in rabbit tibialis anterior muscle with an intact anterior compartment. <i>Muscle and Nerve</i> , 2009, 40, 79-85.	2.2	29
56	Activity, balance, learning, and exposure (ABLE): a new intervention for fear of falling. <i>International Journal of Geriatric Psychiatry</i> , 2016, 31, 791-798.	2.7	29
57	Integrated Exposure Therapy and Exercise Reduces Fear of Falling and Avoidance in Older Adults: A Randomized Pilot Study. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 849-859.	1.2	29
58	High Stiffness of Human Digital Flexor Tendons Is Suited for Precise Finger Positional Control. <i>Journal of Neurophysiology</i> , 2006, 96, 2815-2818.	1.8	28
59	Patient Perception of Physician Reimbursement in Elective Total Hip and Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 703-709.	3.1	28
60	Muscle Gene Expression Patterns in Human Rotator Cuff Pathology. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1558-1565.	3.0	28
61	Effect of Supraspinatus Tendon Injury on Supraspinatus and Infraspinatus Muscle Passive Tension and Associated Biochemistry. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, e175.	3.0	28
62	Effect of body mass index on patient outcomes of surgical intervention for the lumbar spine. <i>Journal of Spine Surgery</i> , 2017, 3, 349-357.	1.2	28
63	Muscle progenitor cell regenerative capacity in the torn rotator cuff. <i>Journal of Orthopaedic Research</i> , 2015, 33, 421-429.	2.3	27
64	The effect of high-intensity resistance exercise on lumbar musculature in patients with low back pain: a preliminary study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 290.	1.9	27
65	Pronator Teres Is an Appropriate Donor Muscle for Restoration of Wrist and Thumb Extension. <i>Journal of Hand Surgery</i> , 2005, 30, 1068-1073.	1.6	25
66	Architectural and morphological assessment of rat abdominal wall muscles: comparison for use as a human model. <i>Journal of Anatomy</i> , 2010, 217, 196-202.	1.5	25
67	Functional recovery of muscles after minimally invasive total hip arthroplasty. <i>Instructional Course Lectures</i> , 2008, 57, 249-54.	0.2	25
68	Muscle geometry affects accuracy of forearm volume determination by magnetic resonance imaging (MRI). <i>Journal of Biomechanics</i> , 2007, 40, 3261-3266.	2.1	24
69	Theoretical Predictions of the Effects of Force Transmission by Desmin on Intersarcomere Dynamics. <i>Biophysical Journal</i> , 2010, 98, 258-266.	0.5	24
70	Architectural design of the pelvic floor is consistent with muscle functional subspecialization. <i>International Urogynecology Journal</i> , 2014, 25, 205-212.	1.4	24
71	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
72	Anatomic Evaluation of the Sacroiliac Joint: A Radiographic Study with Implications for Procedures. <i>Pain Physician</i> , 2015, 18, 583-92.	0.4	24

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73	Relationship between muscle stress and intramuscular pressure during dynamic muscle contractions. <i>Muscle and Nerve</i> , 2007, 36, 313-319.	2.2	22
74	Recovery of rat muscle size but not function more than 1 year after a single botulinum toxin injection. <i>Muscle and Nerve</i> , 2018, 57, 435-441.	2.2	22
75	Increased Fibrogenic Gene Expression in Multifidus Muscles of Patients With Chronic Versus Acute Lumbar Spine Pathology. <i>Spine</i> , 2020, 45, E189-E195.	2.0	22
76	A novel muscle biopsy clamp yields accurate in vivo sarcomere length values. <i>Journal of Biomechanics</i> , 2009, 42, 193-196.	2.1	21
77	Mechanical Feasibility of Immediate Mobilization of the Brachioradialis Muscle After Tendon Transfer. <i>Journal of Hand Surgery</i> , 2010, 35, 1473-1478.	1.6	21
78	Muscle architectural changes after massive human rotator cuff tear. <i>Journal of Orthopaedic Research</i> , 2016, 34, 2089-2095.	2.3	21
79	The role of mechanobiology in progression of rotator cuff muscle atrophy and degeneration. <i>Journal of Orthopaedic Research</i> , 2018, 36, 546-556.	2.3	21
80	Concurrent Criterion-Related Validity and Reliability of a Clinical Device Used to Assess Lateral Patellar Displacement. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2006, 36, 645-652.	3.5	20
81	Intraoperative and biomechanical studies of human vastus lateralis and vastus medialis sarcomere length operating range. <i>Journal of Biomechanics</i> , 2018, 67, 91-97.	2.1	20
82	Regional Myosin Heavy Chain Distribution in Selected Paraspinal Muscles. <i>Spine</i> , 2010, 35, 1265-1270.	2.0	19
83	Human motor endplate remodeling after traumatic nerve injury. <i>Journal of Neurosurgery</i> , 2020, 135, 220-227.	1.6	19
84	Skeletal Muscle Atrophy and Degeneration in a Mouse Model of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 398-401.	3.4	18
85	p300 and cAMP response element-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
86	Dorsal Transfer of the Brachioradialis to the Flexor Pollicis Longus Enables Simultaneous Powering of Key Pinch and Forearm Pronation. <i>Journal of Hand Surgery</i> , 2006, 31, 993-997.	1.6	17
87	Architecture of the Short External Rotator Muscles of the Hip. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 611.	1.9	17
88	Postoperative Pain Management Following Total Knee Arthroplasty: A Randomized Comparison of Continuous Epidural Versus Femoral Nerve Infusion. <i>Journal of Knee Surgery</i> , 2006, 19, 137-143.	1.6	16
89	The effect of age on rat rotator cuff muscle architecture. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1786-1791.	2.6	16
90	Regional Ulnar Nerve Strain Following Decompression and Anterior Subcutaneous Transposition in Patients With Cubital Tunnel Syndrome. <i>Journal of Hand Surgery</i> , 2016, 41, e343-e350.	1.6	16

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91	Paraspinal muscle morphology and composition in adolescent idiopathic scoliosis: A histological analysis. <i>JOR Spine</i> , 2021, 4, e1169.	3.2	16
92	Architectural and Biochemical Adaptations in Skeletal Muscle and Bone Following Rotator Cuff Injury in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 565-573.	3.0	15
93	Sarcomere length distribution quantification in whole muscle frozen sections. <i>Journal of Experimental Biology</i> , 2016, 219, 1432-6.	1.7	15
94	Muscle excursion does not correlate with increased serial sarcomere number after muscle adaptation to stretched tendon transfer. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1774-1780.	2.3	14
95	Cell populations and muscle fiber morphology associated with acute and chronic muscle degeneration in lumbar spine pathology. <i>JOR Spine</i> , 2020, 3, e1087.	3.2	14
96	Intraoperative Single-Site Sarcomere Length Measurement Accurately Reflects Whole-Muscle Sarcomere Length in the Rabbit. <i>Journal of Hand Surgery</i> , 2007, 32, 612-617.	1.6	13
97	Lumbar spine postures in Marines during simulated operational positions. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2145-2153.	2.3	13
98	Design Considerations of a Fiber Optic Pressure Sensor Protective Housing for Intramuscular Pressure Measurements. <i>Annals of Biomedical Engineering</i> , 2017, 45, 739-746.	2.5	13
99	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
100	Systematic test of neurotoxin dose and volume on muscle function in a rat model. <i>Muscle and Nerve</i> , 2014, 49, 709-715.	2.2	10
101	Lumbar Muscle Structure Predicts Operational Postures in Active-Duty Marines. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2018, 48, 613-621.	3.5	10
102	Lumbar spine angles and intervertebral disc characteristics with end-range positions in three planes of motion in healthy people using upright MRI. <i>Journal of Biomechanics</i> , 2019, 89, 95-104.	2.1	10
103	Regional differences between superficial and deep lumbar multifidus in patients with chronic lumbar spine pathology. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 764.	1.9	10
104	Strategies to Identify Mesenchymal Stromal Cells in Minimally Manipulated Human Bone Marrow Aspirate Concentrate Lack Consensus. <i>American Journal of Sports Medicine</i> , 2021, 49, 1313-1322.	4.2	10
105	Distal insertional anatomy of the triceps brachii muscle: MRI assessment in cadaveric specimens employing histologic correlation and Play-doh® models of the anatomic findings. <i>Skeletal Radiology</i> , 2020, 49, 1057-1067.	2.0	9
106	Varying diffusion time to discriminate between simulated skeletal muscle injury models using stimulated echo diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2524-2536.	3.0	9
107	Progression of muscle loss and fat accumulation in a rabbit model of rotator cuff tear. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1016-1025.	2.3	9
108	Heterogeneous muscle gene expression patterns in patients with massive rotator cuff tears. <i>PLoS ONE</i> , 2018, 13, e0190439.	2.5	8

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109	An Endplate-Based Joint Coordinate System for Measuring Kinematics in Normal and Abnormally-Shaped Lumbar Vertebrae. <i>Journal of Applied Biomechanics</i> , 2015, 31, 499-503.	0.8	6
110	Effect of Load Magnitude and Distribution on Lumbar Spine Posture in Active-duty Marines. <i>Spine</i> , 2017, 42, 345-351.	2.0	6
111	Examination of the human motor endplate after brachial plexus injury with two-photon microscopy. <i>Muscle and Nerve</i> , 2020, 61, 390-395.	2.2	6
112	An Integrated Approach to Musculoskeletal Performance, Disease, and Recovery. <i>Physical Therapy</i> , 2021, 101, .	2.4	6
113	On Sources of Error in Finite Element Simulations of Blast Effects in the Human Brain. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	1.2	5
114	The effect of training on lumbar spine posture and intervertebral disc degeneration in active-duty Marines. <i>Ergonomics</i> , 2017, 60, 1055-1063.	2.1	5
115	Ultrashort echo time adiabatic T1 ρ (UTE-Adiab-T1 ρ) is sensitive to human cadaveric knee joint deformation induced by mechanical loading and unloading. <i>Magnetic Resonance Imaging</i> , 2021, 80, 98-105.	1.8	5
116	Transcriptional Time Course After Rotator Cuff Tear. <i>Frontiers in Physiology</i> , 2021, 12, 707116.	2.8	5
117	The "Second Hit" of Repair in a Rabbit Model of Chronic Rotator Cuff Tear. <i>Frontiers in Physiology</i> , 2022, 13, 801829.	2.8	5
118	Rotator cuff tear state modulates self-renewal and differentiation capacity of human skeletal muscle progenitor cells. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1816-1823.	2.3	4
119	In vivo supraspinatus muscle contractility and architecture in rabbit. <i>Journal of Applied Physiology</i> , 2020, 129, 1405-1412.	2.5	4
120	Multiparametric MRI characterization of level dependent differences in lumbar muscle size, quality, and microstructure. <i>JOR Spine</i> , 2020, 3, e1079.	3.2	4
121	Co-Expression Network Approach to Studying the Effects of Botulinum Neurotoxin-A. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 2009-2016.	3.0	3
122	Patella Alta. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 1749-1755.	3.0	3
123	Sensor Anchoring Improves the Correlation Between Intramuscular Pressure and Muscle Tension in a Rabbit Model. <i>Annals of Biomedical Engineering</i> , 2021, 49, 912-921.	2.5	2
124	Surgical Mobilization of Skeletal Muscles Changes Functional Properties" Implications for Tendon Transfers. <i>Journal of Hand Surgery</i> , 2021, 46, 341.e1-341.e10.	1.6	2
125	Evaluating associations of joint swelling, joint stiffness and joint pain with physical activity in first-degree relatives of patients with rheumatoid arthritis: Studies of the Aetiology of Rheumatoid Arthritis (SERA), a prospective cohort study. <i>BMJ Open</i> , 2021, 11, e050883.	1.9	2
126	Supraspinatus muscle architecture and physiology in a rabbit model of tenotomy and repair. <i>Journal of Applied Physiology</i> , 2021, 131, 1708-1717.	2.5	2

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127	Paraspinal Muscle Health is Related to Fibrogenic, Adipogenic, and Myogenic Gene Expression in Patients with Lumbar Spine Pathology. BMC Musculoskeletal Disorders, 2022, 23, .	1.9	2
128	Letter to the Editor Re: "State of the art: proximal junctional kyphosis" diagnosis, management and prevention. Spine Deformity, 2021, , 1.	1.5	1
129	IVIM Imaging of Paraspinal Muscles Following Moderate and High-Intensity Exercise in Healthy Individuals. Frontiers in Rehabilitation Sciences, 2022, 3, .	1.2	1
130	Intervertebral disc kinematics in active duty Marines with and without lumbar spine pathology. JOR Spine, 2019, 2, e1057.	3.2	0
131	Letter to Editor and Response. Spine, 2020, 45, E973-E974.	2.0	0
132	Biochemical diversity of human skeletal muscle. FASEB Journal, 2012, 26, 1141.2.	0.5	0
133	Shoulder Muscle Architecture, Physiology, and Plasticity. , 2017, , 215-225.		0