

# Dinesh A Kumbhare

## List of Publications by Year in descending order

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128  
papers

1,822  
citations

331642

21  
h-index

345203

36  
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135  
all docs

135  
docs citations

135  
times ranked

2199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential role of blood biomarkers in patients with fibromyalgia: a systematic review with meta-analysis. <i>Pain</i> , 2022, 163, 1232-1253.	4.2	20
2	Integration of Research Knowledge to Enhance the Evidence Informed Practice of the Busy Physiatrist. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2022, 101, 1-1.	1.4	0
3	RPS6 phosphorylation occurs to a greater extent in the periphery of human skeletal muscle fibers, near focal adhesions, after anabolic stimuli. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C94-C110.	4.6	6
4	Trained Integrated Postexercise Myofibrillar Protein Synthesis Rates Correlate with Hypertrophy in Young Males and Females. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 953-964.	0.4	14
5	Sex-Based Differences in the Myogenic Response and Inflammatory Gene Expression Following Eccentric Contractions in Humans. <i>Frontiers in Physiology</i> , 2022, 13, 880625.	2.8	8
6	A non-invasive $\dot{V}O_2$ breath test detects differences in anabolic sensitivity with feeding and heavy resistance exercise in healthy young males: a randomized control trial. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 860-870.	1.9	2
7	Effects of Distinct Force Magnitude of Spinal Manipulative Therapy on Blood Biomarkers of Inflammation: A Proof of Principle Study in Healthy Young Adults. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2022, 45, 20-32.	0.9	6
8	The nociceptive flexion reflex: a scoping review and proposed standardized methodology for acquisition in those affected by chronic pain. <i>British Journal of Pain</i> , 2021, 15, 102-113.	1.5	5
9	Interrupting prolonged sitting with repeated chair stands or short walks reduces postprandial insulinemia in healthy adults. <i>Journal of Applied Physiology</i> , 2021, 130, 104-113.	2.5	10
10	Ultrasound-guided interventional procedures for myofascial trigger points: a systematic review. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 73-80.	2.3	16
11	A theoretical framework to improve the construct for chronic pain disorders using fibromyalgia as an example. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2021, 13, 1759720X2096649.	2.7	7
12	The Effect of a Multi-ingredient Supplement on Resistance Training-induced Adaptations. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1699-1707.	0.4	3
13	Validity and Diagnosis in Physical and Rehabilitation Medicine. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, Publish Ahead of Print, .	1.4	2
14	mTORC1 Activity Occurs Predominantly in the Periphery of Human Skeletal Muscle Fibers Following Anabolic Stimuli. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
15	Potential Role of MRI Imaging for Myofascial Pain: A Scoping Review for the Clinicians and Theoretical Considerations. <i>Journal of Pain Research</i> , 2021, Volume 14, 1505-1514.	2.0	3
16	Author's Reply. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, e177-e177.	1.4	0
17	Fibromyalgia and Nociceptive Flexion Reflex (NFR) Threshold: A Systematic Review, Meta-Analysis, and Identification of a Possible Source of Heterogeneity. <i>Journal of Pain Research</i> , 2021, Volume 14, 1653-1665.	2.0	2
18	Re-Examining Myofascial Pain Syndrome: Toward Biomarker Development and Mechanism-Based Diagnostic Criteria. <i>Current Rheumatology Reports</i> , 2021, 23, 69.	4.7	22

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19	A randomized double blinded placebo controlled study to evaluate motor unit abnormalities after experimentally induced sensitization using capsaicin. Scientific Reports, 2021, 11, 13793.	3.3	2
20	Incorporation of Dietary Amino Acids Into Myofibrillar and Sarcoplasmic Proteins in Free-Living Adults Is Influenced by Sex, Resistance Exercise, and Training Status. Journal of Nutrition, 2021, 151, 3350-3360.	2.9	5
21	Exploring the effect of capsaicin-induced central sensitization on the upper limb nociceptive withdrawal reflex threshold. Experimental Brain Research, 2021, 239, 3405-3415.	1.5	2
22	Satellite cell and myonuclear accretion is related to training-induced skeletal muscle fiber hypertrophy in young males and females. Journal of Applied Physiology, 2021, 131, 871-880.	2.5	26
23	Randomized controlled trials in non-pharmacological rehabilitation research: a scoping review of the reporting of sample size calculation, randomization procedure, and statistical analyses. European Journal of Physical and Rehabilitation Medicine, 2021, 56, 790-798.	2.2	4
24	Quantitative Ultrasound Texture Feature Changes with Conservative treatment of the Trapezius Muscle in female patients with Myofascial Pain Syndrome. American Journal of Physical Medicine and Rehabilitation, 2021, Publish Ahead of Print, 1054-1061.	1.4	4
25	The Effect of Exercise on Neural Activation and Cognition: A Review of Task-Based fMRI Studies. Critical Reviews in Biomedical Engineering, 2021, 49, 21-52.	0.9	2
26	LAT1 and SNAT2 Protein Expression and Membrane Localization of LAT1 Are Not Acutely Altered by Dietary Amino Acids or Resistance Exercise Nor Positively Associated with Leucine or Phenylalanine Incorporation in Human Skeletal Muscle. Nutrients, 2021, 13, 3906.	4.1	14
27	Differences and similarities among questionnaires to assess pain status in chronic widespread pain population: a quantitative analysis. British Journal of Pain, 2021, 15, 441-449.	1.5	2
28	Postconcussion Syndrome. American Journal of Physical Medicine and Rehabilitation, 2021, 100, 193-195.	1.4	1
29	Pressure Pain Threshold in Patients With Chronic Pain. American Journal of Physical Medicine and Rehabilitation, 2021, 100, 656-674.	1.4	43
30	Nociceptive Flexion Reflex Threshold in Chronic Pain Patients. American Journal of Physical Medicine and Rehabilitation, 2021, 100, 750-759.	1.4	6
31	Ultrasound Image Quality Evaluation using a Structural Similarity Based Autoencoder. , 2021, 2021, 4002-4005.		2
32	Quantitative ultrasound of trapezius muscle involvement in myofascial pain: comparison of clinical and healthy population using texture analysis. Journal of Ultrasound, 2020, 23, 23-30.	1.3	12
33	A Retrospective Study of the Association between Pain Intensity and Opioid Use with Length of Stay during Musculoskeletal Inpatient Rehabilitation after Primary Knee and Hip Arthroplasty. PM and R, 2020, 12, 462-469.	1.6	6
34	Brain-derived neurotrophic factor is associated with human muscle satellite cell differentiation in response to muscle-damaging exercise. Applied Physiology, Nutrition and Metabolism, 2020, 45, 581-590.	1.9	19
35	Myofascial Pain Syndrome: A Narrative Review Identifying Inconsistencies in Nomenclature. PM and R, 2020, 12, 916-925.	1.6	10
36	The Role of Subsymptom Threshold Aerobic Exercise for Persistent Concussion Symptoms in Patients With Postconcussion Syndrome. American Journal of Physical Medicine and Rehabilitation, 2020, 99, 257-264.	1.4	22

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37	The Levels of Insulin-Like Growth Factor in Patients with Myofascial Pain Syndrome and in Healthy Controls. PM and R, 2020, 13, 1104-1110.	1.6	1
38	Quantitative response of healthy muscle following the induction of capsaicin: an exploratory randomized controlled trial. Trials, 2020, 21, 1020.	1.6	1
39	Incapacitating pain from Tenofovir Induced Hypophosphatemic Osteomalacia in a Hemophilia Patient – A Case Report. Canadian Journal of Pain, 2020, 4, 287-291.	1.7	1
40	Age-related changes to the satellite cell niche are associated with reduced activation following exercise. FASEB Journal, 2020, 34, 8975-8989.	0.5	15
41	Leucine-enriched amino acids maintain peripheral mTOR-Rheb localization independent of myofibrillar protein synthesis and mTORC1 signaling postexercise. Journal of Applied Physiology, 2020, 129, 133-143.	2.5	18
42	Machine Learning Diagnostic Modeling for Classifying Fibromyalgia Using B-mode Ultrasound Images. Ultrasonic Imaging, 2020, 42, 135-147.	2.6	5
43	Variability in skeletal muscle fibre characteristics during repeated muscle biopsy sampling in human vastus lateralis. Applied Physiology, Nutrition and Metabolism, 2020, 45, 368-375.	1.9	21
44	Leucine-Enriched Essential Amino Acids Improve Recovery from Post-Exercise Muscle Damage Independent of Increases in Integrated Myofibrillar Protein Synthesis in Young Men. Nutrients, 2020, 12, 1061.	4.1	26
45	Improving characterization and diagnosis quality of myofascial pain syndrome: a systematic review of the clinical and biomarker overlap with delayed onset muscle soreness. European Journal of Physical and Rehabilitation Medicine, 2020, 56, 469-478.	2.2	9
46	ISPRM/ESPRM guidelines on Physical and Rehabilitation Medicine professional practice for adults with obesity and related comorbidities. European Journal of Physical and Rehabilitation Medicine, 2020, 56, 496-507.	2.2	12
47	Toward a phenomic analysis of chronic postsurgical pain following cardiac surgery. Canadian Journal of Pain, 2019, 3, 58-69.	1.7	6
48	Consistent expression pattern of myogenic regulatory factors in whole muscle and isolated human muscle satellite cells after eccentric contractions in humans. Journal of Applied Physiology, 2019, 127, 1419-1426.	2.5	13
49	The Effect of Electric Stimulation Techniques on Pain and Tenderness at the Myofascial Trigger Point: A Systematic Review. Pain Medicine, 2019, 20, 1774-1788.	1.9	16
50	Automatic ROI Placement in the Upper Trapezius Muscle in B-mode Ultrasound Images. Ultrasonic Imaging, 2019, 41, 231-246.	2.6	2
51	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2019, 98, e40-e42.	1.4	0
52	Integrated Myofibrillar Protein Synthesis in Recovery From Unaccustomed and Accustomed Resistance Exercise With and Without Multi-ingredient Supplementation in Overweight Older Men. Frontiers in Nutrition, 2019, 6, 40.	3.7	14
53	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2019, 98, e28-e31.	1.4	0
54	Effect of Local Anesthetic Versus Botulinum Toxin-A Injections for Myofascial Pain Disorders. Clinical Journal of Pain, 2019, 35, 353-367.	1.9	13

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55	The Certainty Behind Reporting a Significance Result. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 1147-1150.	1.4	1
56	Hypothesis Testing in Superiority, Noninferiority, and Equivalence Clinical Trials. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 226-230.	1.4	1
57	Understanding Measures of Association. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 725-728.	1.4	0
58	A Tale of Confusion From Overlapping Confidence Intervals. American Journal of Physical Medicine and Rehabilitation, 2019, 98, 81-83.	1.4	10
59	Exercise training impacts skeletal muscle gene expression related to the kynurenine pathway. American Journal of Physiology - Cell Physiology, 2019, 316, C444-C448.	4.6	37
60	Feasibility of a Support Vector Machine Classifier for Myofascial Pain Syndrome: Diagnostic Caseâ€Control Study. Journal of Ultrasound in Medicine, 2019, 38, 2119-2132.	1.7	12
61	Prolonged exercise training improves the acute type II muscle fibre satellite cell response in healthy older men. Journal of Physiology, 2019, 597, 105-119.	2.9	45
62	Comprehensive 3D Architecture of the Adult Human Trapezius: A Cadaveric Study. FASEB Journal, 2019, 33, 77.2.	0.5	0
63	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2018, 97, e78-e80.	1.4	1
64	Are Corticosteroid Injections Safe to Inject into Knees With Osteoarthritis?. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 461-464.	1.4	3
65	A Survey of Physiciansâ€™ Knowledge and Adherence to the Diagnostic Criteria for Fibromyalgia. Pain Medicine, 2018, 19, 1254-1264.	1.9	28
66	Physiatry Reviews for Evidence in Practice Second-Order Peer Review. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 141-142.	1.4	2
67	A multi-ingredient nutritional supplement enhances exercise training-related reductions in markers of systemic inflammation in healthy older men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 299-302.	1.9	13
68	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 304-307.	1.4	1
69	Hydrodilatation With Corticosteroid for the Treatment of Adhesive Capsulitis: A Systematic Review. PM and R, 2018, 10, 623-635.	1.6	23
70	The influence of capillarization on satellite cell pool expansion and activation following exerciseâ€induced muscle damage in healthy young men. Journal of Physiology, 2018, 596, 1063-1078.	2.9	50
71	A narrative review on the difficulties associated with fibromyalgia diagnosis. Therapeutic Advances in Musculoskeletal Disease, 2018, 10, 13-26.	2.7	22
72	The Relationship between Rate of Algometer Application and Pain Pressure Threshold in the Assessment of Myofascial Trigger Point Sensitivity. Pain Practice, 2018, 18, 224-229.	1.9	17

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73	A Survey of Healthcare Practitioners on Myofascial Pain Criteria. Pain Practice, 2018, 18, 631-640.	1.9	9
74	Potential Harms With Long-Term Glucocorticoid Use. American Journal of Physical Medicine and Rehabilitation, 2018, 97, 72-74.	1.4	3
75	Quantitative Ultrasound Using Texture Analysis of Myofascial Pain Syndrome in the Trapezius. Critical Reviews in Biomedical Engineering, 2018, 46, 1-31.	0.9	13
76	The Problem of Sedentary Behaviour in the Office Workspace: A Structured Exercise Program for Primary Prevention. Journal of Novel Physiotherapies, 2018, 08, .	0.1	4
77	Mapping of pain curricula across health professions programs at the University of Toronto. Canadian Journal of Pain, 2018, 2, 182-190.	1.7	2
78	The Effects of Diet on the Proportion of Intramuscular Fat in Human Muscle: A Systematic Review and Meta-analysis. Frontiers in Nutrition, 2018, 5, 7.	3.7	9
79	In gluteal tendinopathy, education + exercise improved outcomes vs corticosteroid injection or wait strategy. Annals of Internal Medicine, 2018, 169, JC22.	3.9	0
80	Ingestion of a Multi-Ingredient Supplement Does Not Alter Exercise-Induced Satellite Cell Responses in Older Men. Journal of Nutrition, 2018, 148, 891-899.	2.9	13
81	Ultrasound imaging for sarcopenia, spasticity and painful muscle syndromes. Current Opinion in Supportive and Palliative Care, 2018, 12, 373-381.	1.3	29
82	Effect of aerobic exercise in the treatment of myofascial pain: a systematic review. Journal of Exercise Rehabilitation, 2018, 14, 902-910.	1.0	25
83	The First Characterization of a Novel Stem Cell Population and the Temporal Relationship with Satellite Cells in Human Skeletal Muscle. FASEB Journal, 2018, 32, 615.2.	0.5	0
84	A comparison of the clinical manifestation and pathophysiology of myofascial pain syndrome and fibromyalgia: implications for differential diagnosis and management. Journal of the Canadian Chiropractic Association, 2018, 62, 26-41.	0.2	16
85	Empowering Physiatrists In-Training to the Peer-Review Process. American Journal of Physical Medicine and Rehabilitation, 2018, 98, 1.	1.4	0
86	Physiatry Reviews for Evidence in Practice (PREP) Second Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2018, 98, 1.	1.4	1
87	Ultrasound-Guided Interventional Procedures. Regional Anesthesia and Pain Medicine, 2017, 42, 407-412.	2.3	35
88	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 682-685.	1.4	0
89	A Review of Adjunctive CNS Medications Used for the Treatment of Post-Surgical Pain. CNS Drugs, 2017, 31, 605-615.	5.9	8
90	Interrater Agreement of Manual Palpation for Identification of Myofascial Trigger Points. Clinical Journal of Pain, 2017, 33, 715-729.	1.9	50

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91	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2017, 96, e119-e122.	1.4	0
92	Quantitative Ultrasound Assessment of Myofascial Pain Syndrome Affecting the Trapezius: A Reliability Study. Journal of Ultrasound in Medicine, 2017, 36, 2559-2568.	1.7	17
93	Dynamic DTI (dDTI) shows differing temporal activation patterns in post-exercise skeletal muscles. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 127-138.	2.0	8
94	Clinicians' perspective of the current diagnostic criteria for myofascial pain syndrome. Journal of Back and Musculoskeletal Rehabilitation, 2017, 30, 509-514.	1.1	6
95	Evaluation of Chronic Pain Using Magnetic Resonance (MR) Neuroimaging Approaches. Clinical Journal of Pain, 2017, 33, 281-290.	1.9	28
96	A whey protein-based multi-ingredient nutritional supplement stimulates gains in lean body mass and strength in healthy older men: A randomized controlled trial. PLoS ONE, 2017, 12, e0181387.	2.5	87
97	Associations between low back pain and depression and somatization in a Canadian emerging adult population. Journal of the Canadian Chiropractic Association, 2017, 61, 96-105.	0.2	21
98	Re: Signs and Symptoms of Myofascial Pain: An International Survey of Pain Management Providers and Proposed Preliminary Set of Diagnostic Criteria. Pain Medicine, 2016, 17, pnv038.	1.9	1
99	Assessment of Myofascial Trigger Points Using Ultrasound. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 72-80.	1.4	40
100	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2016, 95, e53-e56.	1.4	0
101	Central Sensitization. Clinical Journal of Pain, 2016, 32, 1011-1013.	1.9	8
102	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2016, 95, e202-e203.	1.4	2
103	Safe MRI-Compatible electrical muscle stimulation (EMS) system. Journal of Magnetic Resonance Imaging, 2016, 44, 1530-1538.	3.4	7
104	Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2016, 95, e121-e124.	1.4	0
105	Magnitude and variability of effect sizes for the associations between chronic pain and cognitive test performances: a meta-analysis. British Journal of Pain, 2016, 10, 141-155.	1.5	13
106	Circulating biomarkers in acute myofascial pain. Medicine (United States), 2016, 95, e4650.	1.0	24
107	What Are the Most Useful Red Flags for Suspected Vertebral Fracture in Patients With Low Back Pain in the Emergency Department?. Annals of Emergency Medicine, 2016, 67, 81-82.	0.6	2
108	A narrative review of new trends in the diagnosis of myofascial trigger points: diagnostic ultrasound imaging and biomarkers. Journal of the Canadian Chiropractic Association, 2016, 60, 220-225.	0.2	13



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109	Physiatry Reviews for Evidence in Practice (PREP), Second-Order Peer Reviews of Clinically Relevant Articles for the Physiatrist. American Journal of Physical Medicine and Rehabilitation, 2015, 94, 820-822.	1.4	0
110	Comment on: A critical evaluation of the trigger point phenomenon. Rheumatology, 2015, 54, 1126-1127.	1.9	3
111	Spasticity. Cmaj, 2015, 187, 436-436.	2.0	2
112	A review of the neuro- and systemic inflammatory responses in post concussion symptoms: Introduction of the "post-inflammatory brain syndrome"PIBS. Brain, Behavior, and Immunity, 2015, 46, 1-16.	4.1	82
113	Advanced Skeletal Muscle MR Imaging Approaches in the Assessment of Muscular Dystrophies. International Journal of Physical Medicine & Rehabilitation, 2014, 02, .	0.5	4
114	Trunk Muscle Activation in the Low Back "Injured Population. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1006.	0.9	0
115	Neurocognitive Test Performances in Chronic Pain Patients. Archives of Physical Medicine and Rehabilitation, 2014, 95, e38.	0.9	0
116	Diffusion Tensor Imaging of the Normal Foot at 3 T. Journal of Computer Assisted Tomography, 2014, 38, 329-334.	0.9	3
117	Pain-QuiLT: Clinical Feasibility of a Web-Based Visual Pain Assessment Tool in Adults With Chronic Pain. Journal of Medical Internet Research, 2014, 16, e127.	4.3	27
118	Quantitative DTI Assessment in Human Lumbar Stabilization Muscles at 3 T. Journal of Computer Assisted Tomography, 2013, 37, 98-104.	0.9	7
119	Determination of malondialdehyde in human plasma by fully automated solid phase analytical derivatization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1292-1298.	2.3	49
120	Injury Measurement Properties of Serum Interleukin-6 Following Lumbar Decompression Surgery. Journal of Surgical Research, 2009, 157, 161-167.	1.6	8
121	Comparison of Sonography and Magnetic Resonance Imaging for Spring Ligament Abnormalities. Journal of Ultrasound in Medicine, 2008, 27, 1145-1152.	1.7	31
122	Validity of Serum Creatine Kinase as a Measure of Muscle Injury Produced by Lumbar Surgery. Journal of Spinal Disorders and Techniques, 2008, 21, 49-54.	1.9	59
123	Therapeutic advances in the treatment of osteoporosis. Expert Opinion on Therapeutic Patents, 2007, 17, 277-285.	5.0	3
124	Biochemical Measurement of Muscle Injury Created by Lumbar Surgery. Clinical and Investigative Medicine, 2007, 30, 12.	0.6	19
125	Tolerability of Different Dosing Regimens of Bisphosphonates for the Treatment of Osteoporosis and Malignant Bone Disease. Drug Safety, 2006, 29, 1133-1152.	3.2	43
126	Diffusion tensor imaging in evaluation of human skeletal muscle injury. Journal of Magnetic Resonance Imaging, 2006, 24, 402-408.	3.4	187



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127	Measurement of cervical flexor endurance following whiplash. Disability and Rehabilitation, 2005, 27, 801-807.	1.8	51
128	Risk Factors for Ankle Injury in College-Aged Athletes. Clinical Journal of Sport Medicine, 1996, 6, 136.	1.8	2