

Marco Barbero

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,211
citations

236925

25
h-index

330143

37
g-index

115
all docs

115
docs citations

115
times ranked

5588
citing authors

#	ARTICLE	IF	CITATIONS
1	Atlas of Muscle Innervation Zones. , 2012, , .		224
2	Expanded Distribution of Pain as a Sign of Central Sensitization in Individuals With Symptomatic Knee Osteoarthritis. <i>Physical Therapy</i> , 2016, 96, 1196-1207.	2.4	105
3	Testâ€“retest reliability of pain extent and pain location using a novel method for pain drawing analysis. <i>European Journal of Pain</i> , 2015, 19, 1129-1138.	2.8	84
4	Prevalence of Myofascial Trigger Points in Spinal Disorders: A Systematic Review and Meta-Analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 316-337.	0.9	83
5	Effects of low-level laser therapy on pain in patients with musculoskeletal disorders: a systematic review and meta-analysis. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 603-610.	2.2	74
6	Evaluation of Central and Peripheral Fatigue in the Quadriceps Using Fractal Dimension and Conduction Velocity in Young Females. <i>PLoS ONE</i> , 2015, 10, e0123921.	2.5	61
7	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13\text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016, 76, 502.	3.9	61
8	Intra-rater reliability of an experienced physiotherapist in locating myofascial trigger points in upper trapezius muscle. <i>Journal of Manual and Manipulative Therapy</i> , 2012, 20, 171-177.	1.2	57
9	Efficacy of Trunk Balance Exercises for Individuals With Chronic Low Back Pain: A Randomized Clinical Trial. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 542-552.	3.5	50
10	Innervation zone locations in 43 superficial muscles: Toward a standardization of electrode positioning. <i>Muscle and Nerve</i> , 2014, 49, 413-421.	2.2	50
11	Profiling the Location and Extent of Musiciansâ€™ Pain Using Digital Pain Drawings. <i>Pain Practice</i> , 2018, 18, 53-66.	1.9	49
12	Myofascial pain syndrome and trigger points: evaluation and treatment in patients with musculoskeletal pain. <i>Current Opinion in Supportive and Palliative Care</i> , 2019, 13, 270-276.	1.3	47
13	Myofascial trigger points and innervation zone locations in upper trapezius muscles. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 179.	1.9	43
14	Perceived pain extent is associated with disability, depression and selfâ€“efficacy in individuals with whiplashâ€“associated disorders. <i>European Journal of Pain</i> , 2016, 20, 1490-1501.	2.8	43
15	Muscle fiber conduction velocity and fractal dimension of EMG during fatiguing contraction of young and elderly active men. <i>Physiological Measurement</i> , 2016, 37, 162-174.	2.1	43
16	Does the Application of Tecar Therapy Affect Temperature and Perfusion of Skin and Muscle Microcirculation? A Pilot Feasibility Study on Healthy Subjects. <i>Journal of Alternative and Complementary Medicine</i> , 2020, 26, 147-153.	2.1	38
17	Extension and flexion in the upper cervical spine in neck pain patients. <i>Manual Therapy</i> , 2015, 20, 547-552.	1.6	35
18	Mini-MALTA: radiation hard pixel designs for small-electrode monolithic CMOS sensors for the High Luminosity LHC. <i>Journal of Instrumentation</i> , 2020, 15, P02005-P02005.	1.2	35

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19	Criteria Used for the Diagnosis of Myofascial Trigger Points in Clinical Trials on Physical Therapy. <i>Clinical Journal of Pain</i> , 2020, 36, 955-967.	1.9	34
20	Myotonometry for the evaluation of Achilles tendon mechanical properties: a reliability and construct validity study. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000726.	2.9	33
21	Pain extent is associated with pain intensity but not with widespread pressure or thermal pain sensitivity in women with fibromyalgia syndrome. <i>Clinical Rheumatology</i> , 2017, 36, 1427-1432.	2.2	31
22	Physiotherapists'™ use and perceptions of digital remote physiotherapy during COVID-19 lockdown in Switzerland: an online cross-sectional survey. <i>Archives of Physiotherapy</i> , 2021, 11, 18.	1.8	31
23	3D morphometry of the transverse and alar ligaments in the occipito-atlanto-axial complex: An in vitro analysis. <i>Clinical Anatomy</i> , 2007, 20, 892-898.	2.7	29
24	Test-retest Reliability in Reporting the Pain Induced by a Pain Provocation Test: Further Validation of a Novel Approach for Pain Drawing Acquisition and Analysis. <i>Pain Practice</i> , 2017, 17, 176-184.	1.9	29
25	Reliability of surface EMG matrix in locating the innervation zone of upper trapezius muscle. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 827-833.	1.7	28
26	Prevalence and associated factors of playing-related musculoskeletal disorders among music students in Europe. Baseline findings from the Risk of Music Students (RISMUS) longitudinal multicentre study. <i>PLoS ONE</i> , 2020, 15, e0242660.	2.5	28
27	The Extent of Pain Is Associated With Signs of Central Sensitization in Patients With Hip Osteoarthritis. <i>Pain Practice</i> , 2020, 20, 277-288.	1.9	27
28	Bilateral and multiple cavitation sounds during upper cervical thrust manipulation. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 24.	1.9	26
29	Rehabilitative ultrasound imaging of the supraspinatus muscle: Intra- and interrater reliability of thickness and cross-sectional area. <i>Journal of Bodywork and Movement Therapies</i> , 2014, 18, 266-272.	1.2	25
30	Pain extent is more strongly associated with disability, psychological factors, and neck muscle function in people with non-traumatic versus traumatic chronic neck pain: a cross sectional study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2019, 55, 71-78.	2.2	25
31	Effects of 12 Weeks of Essential Amino Acids (EAA)-Based Multi-Ingredient Nutritional Supplementation on Muscle Mass, Muscle Strength, Muscle Power and Fatigue in Healthy Elderly Subjects: A Randomized Controlled Double-Blind Study. <i>Journal of Nutrition, Health and Aging</i> , 2019, 23, 414-424.	3.3	23
32	Methodological analysis of finite helical axis behavior in cervical kinematics. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 628-635.	1.7	22
33	Muscle Pain Induces a Shift of the Spatial Distribution of Upper Trapezius Muscle Activity During a Repetitive Task. <i>Clinical Journal of Pain</i> , 2017, 33, 1006-1013.	1.9	22
34	Variability of the helical axis during active cervical movements in people with chronic neck pain. <i>Clinical Biomechanics</i> , 2019, 62, 50-57.	1.2	19
35	Quantitative proteomics analysis to identify biomarkers of chronic myofascial pain and therapeutic targets of dry needling in a rat model of myofascial trigger points. <i>Journal of Pain Research</i> , 2019, Volume 12, 283-298.	2.0	19
36	Reliability of surface electromyography in estimating muscle fiber conduction velocity: A systematic review. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 53-68.	1.7	19

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37	Assessment of neuropathic pain after spinal cord injury using quantitative pain drawings. <i>Spinal Cord</i> , 2021, 59, 529-537.	1.9	19
38	Real-time sonoelastography using an external reference material: test-retest reliability of healthy Achilles tendons. <i>Skeletal Radiology</i> , 2016, 45, 1045-1052.	2.0	18
39	Effects of local treatment with and without sensorimotor and balance exercise in individuals with neck pain: protocol for a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 48.	1.9	18
40	Three-week inpatient energy management education (IEME) for persons with multiple sclerosis-related fatigue: Feasibility of a randomized clinical trial. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 35, 26-33.	2.0	18
41	Clinical Significance and Diagnostic Value of Pain Extent Extracted from Pain Drawings: A Scoping Review. <i>Diagnostics</i> , 2020, 10, 604.	2.6	18
42	Test-retest reliability of muscle fiber conduction velocity and fractal dimension of surface EMG during isometric contractions. <i>Physiological Measurement</i> , 2017, 38, 616-630.	2.1	17
43	Evolution of the methodological quality of controlled clinical trials for myofascial trigger point treatments for the period 1978-2015: A systematic review. <i>Musculoskeletal Science and Practice</i> , 2017, 30, 1-9.	1.3	17
44	Pain Extent Is Associated with the Emotional and Physical Burdens of Chronic Tension-Type Headache, but Not with Depression or Anxiety. <i>Pain Medicine</i> , 2017, 18, 2033-2039.	1.9	15
45	Relationship between Isometric Muscle Force and Fractal Dimension of Surface Electromyogram. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	15
46	Profiling the Extent and Location of Pain in Migraine and Cervicogenic Headache: A Cross-sectional Single-Site Observational Study. <i>Pain Medicine</i> , 2020, 21, 3512-3521.	1.9	15
47	Influence of Clinical, Psychological, and Psychophysical Variables on Long-term Treatment Outcomes in Carpal Tunnel Syndrome: Evidence From a Randomized Clinical Trial. <i>Pain Practice</i> , 2019, 19, 644-655.	1.9	14
48	The Location of Peak Upper Trapezius Muscle Activity During Submaximal Contractions is not Associated With the Location of Myofascial Trigger Points. <i>Clinical Journal of Pain</i> , 2016, 32, 1044-1052.	1.9	13
49	People With Low Back Pain Display a Different Distribution of Erector Spinae Activity During a Singular Mono-Planar Lifting Task. <i>Frontiers in Sports and Active Living</i> , 2019, 1, 65.	1.8	13
50	On-site multi-component intervention to improve productivity and reduce the economic and personal burden of neck pain in Swiss office-workers (NEXpro): protocol for a cluster-randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 391.	1.9	13
51	Pain Characteristics and Quality of Life in Older People at High Risk of Future Hospitalization. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 958.	2.6	13
52	Development and Preliminary Evaluation of a 3-Week Inpatient Energy Management Education Program for People with Multiple Sclerosis-Related Fatigue. <i>International Journal of MS Care</i> , 2019, 21, 265-274.	1.0	13
53	Five Recommendations to Address the Limitations of Patient-Reported Outcome Measures. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2021, 51, 562-565.	3.5	13
54	Inter-Gender sEMG Evaluation of Central and Peripheral Fatigue in Biceps Brachii of Young Healthy Subjects. <i>PLoS ONE</i> , 2016, 11, e0168443.	2.5	12

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55	Perceived Pain Extent is Not Associated With Widespread Pressure Pain Sensitivity, Clinical Features, Related Disability, Anxiety, or Depression in Women With Episodic Migraine. <i>Clinical Journal of Pain</i> , 2018, 34, 217-221.	1.9	12
56	The Spatial Extent of Pain Is Associated with Pain Intensity, Catastrophizing and Some Measures of Central Sensitization in People with Frozen Shoulder. <i>Journal of Clinical Medicine</i> , 2022, 11, 154.	2.4	12
57	Can parameters of the helical axis be measured reliably during active cervical movements?. <i>Musculoskeletal Science and Practice</i> , 2017, 27, 150-154.	1.3	11
58	Perceived Pain Extent Is Not Associated with Physical, Psychological, or Psychophysical Outcomes in Women with Carpal Tunnel Syndrome. <i>Pain Medicine</i> , 2019, 20, 1185-1192.	1.9	11
59	An electromyographic study of the vastii muscles during open and closed kinetic chain submaximal isometric exercises. <i>International Journal of Sports Physical Therapy</i> , 2012, 7, 617-26.	1.3	11
60	Physiotherapy Research Priorities in Switzerland: Views of the Various Stakeholders. <i>Physiotherapy Research International</i> , 2016, 21, 137-146.	1.5	10
61	Proteins and Signaling Pathways Response to Dry Needling Combined with Static Stretching Treatment for Chronic Myofascial Pain in a RAT Model: An Explorative Proteomic Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 564.	4.1	10
62	How do Patients, Politicians, Physiotherapists and Other Health Professionals View Physiotherapy Research in Switzerland? A Qualitative Study. <i>Physiotherapy Research International</i> , 2014, 19, 79-92.	1.5	9
63	Validity of the twitch interpolation technique for the assessment of quadriceps neuromuscular asymmetries. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 31-36.	1.7	9
64	Test-retest reliability of echo intensity parameters in healthy Achilles tendons using a semi-automatic tracing procedure. <i>Skeletal Radiology</i> , 2017, 46, 1553-1558.	2.0	9
65	Dispersion of helical axes during shoulder movements in young and elderly subjects. <i>Journal of Biomechanics</i> , 2019, 88, 72-77.	2.1	9
66	Reliability of Sonoelastography Measurements of Lower Limb Tendon Properties: A Systematic Review. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1131-1150.	1.5	9
67	A longitudinal investigation of the factors associated with increased RISk of playing-related musculoskeletal disorders in MUsic students (RISMUS): a study protocol. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 64.	1.9	8
68	Upper and lower limb performance fatigability in people with multiple sclerosis investigated through surface electromyography: a pilot study. <i>Physiological Measurement</i> , 2020, 41, 025002.	2.1	8
69	Heightened pain facilitation rather than impaired pain inhibition distinguishes those with moderate/severe disability in work-related neck pain. <i>Pain</i> , 2021, 162, 2225-2236.	4.2	8
70	Patterns of pain location in music students: a cluster analysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 184.	1.9	8
71	Digital pain drawings are a useful and reliable tool for assessing patients with temporomandibular disorders. <i>Journal of Oral Rehabilitation</i> , 2021, 48, 798-808.	3.0	8
72	Fatigue self-management education in persons with disease-related fatigue: A comprehensive review of the effectiveness on fatigue and quality of life. <i>Patient Education and Counseling</i> , 2022, 105, 1362-1378.	2.2	8

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73	Influence of experimental pain on the spatio-temporal activity of upper trapezius during dynamic lifting – An investigation using Bayesian spatio-temporal ANOVA. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 1-8.	1.7	7
74	A novel application of strain sonoelastography can detect changes in Achilles tendon elasticity during isometric contractions of increasing intensity. <i>Journal of Foot and Ankle Research</i> , 2019, 12, 30.	1.9	7
75	Increased resistance towards fatigability in patients with facioscapulohumeral muscular dystrophy. <i>European Journal of Applied Physiology</i> , 2021, 121, 1617-1629.	2.5	7
76	Dispersion of knee helical axes during walking in young and elderly healthy subjects. <i>Journal of Biomechanics</i> , 2020, 109, 109944.	2.1	6
77	Dorsal Root Ganglion Stimulation for the Management of Intractable Painful Polyneuropathy: A Prospective Pilot Study. <i>Neuromodulation</i> , 2021, 24, 685-694.	0.8	6
78	Finite helical axis for the analysis of joint kinematics: comparison of an electromagnetic and an optical motion capture system. <i>Archives of Physiotherapy</i> , 2015, 5, 8.	1.8	5
79	Tendon morphological changes after a prolonged ski race can be detected by ultrasound echo intensity. <i>Journal of Foot and Ankle Research</i> , 2020, 13, 34.	1.9	5
80	Enhancing Trigger Point Dry Needling Safety by Ultrasound Skin-to-Rib Measurement: An inter-Rater Reliability Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1958.	2.4	5
81	Shear wave and strain sonoelastography for the evaluation of the Achilles tendon during isometric contractions. <i>Insights Into Imaging</i> , 2021, 12, 26.	3.4	5
82	A single session with a roller massager improves hamstring flexibility in healthy athletes: a randomized placebo-controlled crossover study. <i>Sport Sciences for Health</i> , 2021, 17, 717-724.	1.3	5
83	Clinical evaluation of somatosensory integrity in people with chronic shoulder pain. <i>Musculoskeletal Science and Practice</i> , 2021, 53, 102364.	1.3	5
84	Determining the level of cervical radiculopathy: Agreement between visual inspection of pain drawings and magnetic resonance imaging. <i>Pain Practice</i> , 0, , .	1.9	5
85	Essential Amino Acids (EAA) Mixture Supplementation: Effects of an Acute Administration Protocol on Myoelectric Manifestations of Fatigue in the Biceps Brachii After Resistance Exercise. <i>Frontiers in Physiology</i> , 2018, 9, 1140.	2.8	4
86	Does Pain Extent Predict Ongoing Pain and Disability in Patients with Chronic Whiplash-Associated Disorders?. <i>Journal of Clinical Medicine</i> , 2022, 11, 555.	2.4	4
87	Pain extent is associated with Central Sensitization Inventory but not widespread pressure pain sensitivity or psychological variables in women with fibromyalgia. <i>Scandinavian Journal of Rheumatology</i> , 2023, 52, 268-275.	1.1	4
88	Variability of Upper Cervical Anatomy: A Reflection on Its Clinical Relevance. <i>Journal of Functional Morphology and Kinesiology</i> , 2016, 1, 126-139.	2.4	3
89	Myoelectric Manifestations of Fatigue after ACL Reconstruction: A Cross-Sectional Study after Postoperative Rehabilitation. <i>Journal of Functional Morphology and Kinesiology</i> , 2016, 1, 193-199.	2.4	3
90	In episodic cluster headache, pain extent is not related to widespread pressure pain sensitivity, psychological outcomes, or clinical outcomes. <i>Physiotherapy Theory and Practice</i> , 2020, , 1-6.	1.3	3

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91	Two-point discrimination and judgment of laterality in individuals with chronic unilateral non-traumatic shoulder pain. <i>Musculoskeletal Science and Practice</i> , 2021, 56, 102447.	1.3	3
92	From a national to an international journal: a new opportunity for the physiotherapy community. <i>Archives of Physiotherapy</i> , 2015, 5, 1.	1.8	2
93	Topographical Distribution of EMG Activity in the Upper Trapezius Muscle in People With Myofascial Trigger Points. <i>Clinical Journal of Pain</i> , 2017, 33, 473-474.	1.9	2
94	Eccentric exercise and delayed onset muscle soreness reduce the variability of active cervical movements. <i>Journal of Biomechanics</i> , 2020, 111, 109962.	2.1	2
95	Dispersion of shoulder helical axes during upper limb movements after muscle fatigue. <i>Journal of Biomechanics</i> , 2020, 113, 110075.	2.1	2
96	Larger pain extent is associated with greater pain intensity and disability but not with general health status or psychosocial features in patients with cervical radiculopathy. <i>Medicine (United States)</i> , 2021, 100, e23718.	1.0	2
97	Performance of radiation-hard HV/HR CMOS sensors for the ATLAS inner detector upgrades. <i>Journal of Instrumentation</i> , 2016, 11, C03044-C03044.	1.2	2
98	Can People with Chronic Neck Pain Recognize Their Own Digital Pain Drawing?. <i>Pain Physician</i> , 2020, 23, E231-E240.	0.4	2
99	Lumbar Synovial Cyst. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 533-533.	3.5	1
100	Congenital absence of L4-L5 articular facet joint. <i>Spine Journal</i> , 2012, 12, 1163-1164.	1.3	1
101	The prevalence of myofascial trigger points in spinal disorders: a systematic review and meta-analysis. <i>Physiotherapy</i> , 2015, 101, e108-e109.	0.4	1
102	Helical axis analysis to quantify humeral kinematics during shoulder rotation. <i>International Biomechanics</i> , 2019, 6, 1-8.	1.0	1
103	Correlations Between Myoelectric and Hemodynamic Parameters Changes in Biceps Brachii During Sustained Isometric Contraction in Healthy Elderly. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 116-123.	1.0	1
104	Identification of muscle innervation zones using linear electrode arrays: a fundamental step to measure fibers conduction velocity. <i>Arab Journal of Basic and Applied Sciences</i> , 2021, 28, 264-271.	2.1	1
105	Electromyographic activity of the rectus abdominis muscle during exercise performed with the AB Slider. <i>Sport Sciences for Health</i> , 2006, 1, 109-112.	1.3	0
106	Experimental muscle pain induces a shift of the spatial distribution of upper trapezius muscle activity during a repetitive task. <i>Physiotherapy</i> , 2015, 101, e107-e108.	0.4	0
107	Upper Limb Neurodynamic Test 1 on Healthy Individuals: Intra- and Intersession Reliability of the Angle between Pain Onset and Submaximal Pain. <i>Pain Research and Management</i> , 2016, 2016, 1-7.	1.8	0
108	Title is missing!. , 2020, 15, e0242660.		0

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109	Title is missing!. , 2020, 15, e0242660.		0
110	Title is missing!. , 2020, 15, e0242660.		0
111	Title is missing!. , 2020, 15, e0242660.		0